

# Info Architecture

[http://en.wikipedia.org/wiki/Information\\_architecture](http://en.wikipedia.org/wiki/Information_architecture)

Richard Saul Wurman : you only understand something relative to something you already understand

<https://www.youtube.com/watch?v=csqugWnJtUE>

<https://www.youtube.com/watch?v=ncxHD91VCiU&feature=relmfu>

<https://www.youtube.com/watch?v=UfR1YTM3fj8&feature=relmfu>

<http://www.aiga.org/medalist-richardsaulwurman/>

[http://www.informationdesign.org/special/wurman\\_interview.htm](http://www.informationdesign.org/special/wurman_interview.htm)

Jer Thorp : data as art, understandability is sacrificed

<http://blprnt.com/>

youtube: [http://www.youtube.com/watch?feature=player\\_embedded&v=Q9wcvFkWpsM](http://www.youtube.com/watch?feature=player_embedded&v=Q9wcvFkWpsM)

Infinite Weft Example:

Ralph Griswold was a pioneering computer scientist, best known for developing the string programming language [SNOBOL](#). He spent a decade at Bell Labs, studying non-numerical computation, and went on to become Regents' Professor at the University of Arizona. After this illustrious career in computing, he shifted his attention to the mathematics of weaving. Mr. Griswold died in 2006, but he left behind a [huge archive of resources for weavers](#) and curious learners, including academic papers on [pattern generation using cellular automata](#).

The first successful pattern possibilities for Infinite Weft came from applying and modifying the techniques in the paper. I built a simple interface in which I could advance the automata generation by generation, and switch between a set of very simple rules (courtesy of [John von Neumann](#)). Here's what a sample pattern generated from these von Neumann automata looks like on the software loom

Edward Tufte : opposition to Jer Thorp

[https://www.youtube.com/watch?v=Th\\_1azZA2OY](https://www.youtube.com/watch?v=Th_1azZA2OY) : content first design

[http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg\\_id=0003XT](http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg_id=0003XT)

[http://www.edwardtufte.com/bboard/q-and-a?topic\\_id=1](http://www.edwardtufte.com/bboard/q-and-a?topic_id=1)

Visual Display of Quantitative Information:

[http://www.amazon.com/Visual-Display-Quantitative-Information/dp/0961392142/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1346526132&sr=1-1&keywords=edward+tufte](http://www.amazon.com/Visual-Display-Quantitative-Information/dp/0961392142/ref=sr_1_1?s=books&ie=UTF8&qid=1346526132&sr=1-1&keywords=edward+tufte)

Touch Screens Have No Hand:

[http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg\\_id=0003qM](http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg_id=0003qM)

Thinking and Paper:

[http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg\\_id=00008c](http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg_id=00008c)

[http://www.newyorker.com/archive/2002/03/25/020325crbo\\_books](http://www.newyorker.com/archive/2002/03/25/020325crbo_books)

iPhone Interface:

[http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg\\_id=00036T](http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg_id=00036T)

Music Vids with Info Design:

[http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg\\_id=0002MG](http://www.edwardtufte.com/bboard/q-and-a-fetch-msg?msg_id=0002MG)

Noah Iliinsky : Data Done Wrong

<http://www.youtube.com/watch?v=lb7JaPIeEE4>

Beautiful Visualization: [http://www.amazon.com/Beautiful-Visualization-Looking-through-Practice/dp/1449379869/ref=reg\\_hu-rd\\_dp\\_img](http://www.amazon.com/Beautiful-Visualization-Looking-through-Practice/dp/1449379869/ref=reg_hu-rd_dp_img)

infographic: any visual representation of data that is manually drawn, specific to the data at hand, and aesthetically rich. in contrast, data visualization and information visualization: is any visual representation of data that is algorithmically drawn, easy to regenerate with different data, aesthetically barren, and relatively data-rich

Eyebeam

<http://eyebeam.org/>

Graffiti Research Lab

interactive architecture: <http://www.graffitiresearchlab.com/blog/projects/interactive-architecture/#video>

threat advisory tower: <http://www.graffitiresearchlab.com/blog/projects/homeland-security-threat-advisory-tower/#video>

nyt infographics

<http://www.smallmeans.com/new-york-times-infographics/>

Best Infographics

<http://infographicsnews.blogspot.com/2009/03/malofiej-17-best-infographics-of-2008.html>

Get Human:

<http://gethuman.com/>

[http://www.nytimes.com/2006/02/26/business/yourmoney/26mgmt.html?\\_r=1](http://www.nytimes.com/2006/02/26/business/yourmoney/26mgmt.html?_r=1)

post typography

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Books:

Visual Display of Quantitative Information, Edward Tufte

Data Flow, by Robert Klanten

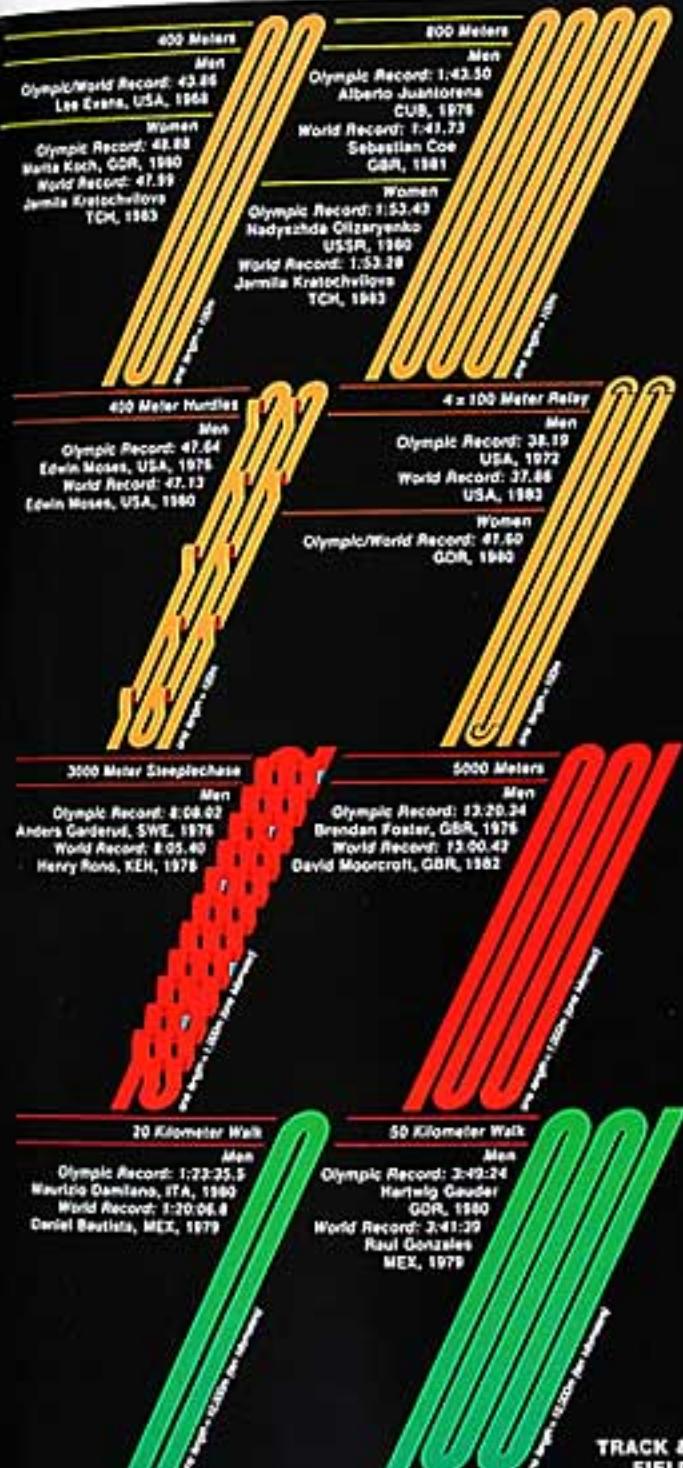
Information Anxiety, by Richard Saul Wurman

Information Architects, by Press Graphis

Beautiful Visualization, by Noah Iliinsky

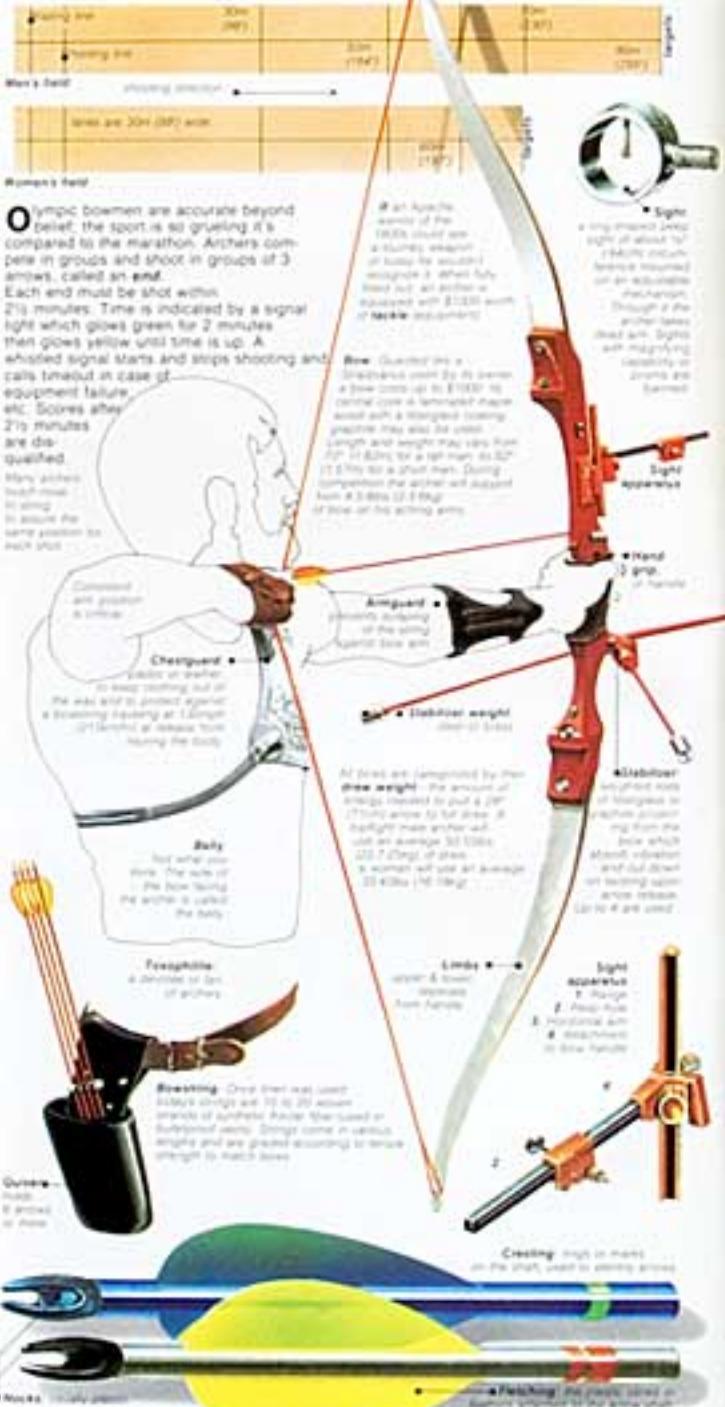


OLYMPIC & WORLD RECORDS



**TRACK &  
FIELD**

ARCHERY



4



After an end, competitors walk to the target and one calls out all scores, with the other 2 teammates verifying. Disputes are settled by officials of the sport's international governing body, the **Fédération Internationale de Tir à l'arc**.

Shooting continues for 2½ hours, or until 26 arrows have been shot. The next afternoon another 36 bolts are fired. Five hours are spent on the range each day for 4 days, at which time each entrant will have shot a total of 144 arrows.

The action: Bowman, concentrating  
seriously, goes through 7 distinct, rhythmic  
motions at taking their stance, b) gripping  
their bow, c) holding their arrow, d)  
drawing the bow, e) anchoring the string  
under their chin or jawbone, f) making the  
final adjustment of arm through their  
shoulder, g) releasing their

downright, gripping their 3-finger grip to release the arrow. The final act of releasing is vital. Fingers must part smoothly and simultaneously or a bad shot results. The bow hand must be absolutely steady. Upon firing and on the follow-through, bowmen remain in status quo. "We call it lashing the body to the bow," says '76 Olympic Champion Darrell Pace of the USA.

One of the earliest atomic instruments was the **Anglo-Scandinavian Atomium**, going to England in 1913. Atoms were introduced in the Olympic Games from **1900** to **1928**, but were dropped until **1972**. Note the **A**.

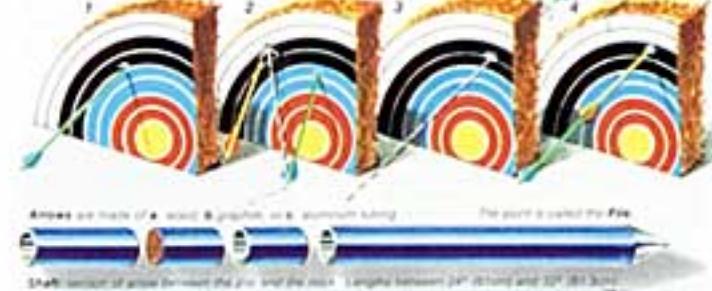
**Scoring:** 1. An arrow landing on the dividing line between 2 color zones earns the higher value. 2. A deflected arrow scores where it lands. 3. An arrow which rebounds from the mat or passes through it will only be scored if its mark can be determined by the judges. 4. An arrow embedded in another arrow scores the same as the 1st arrow. 5. An arrow is considered not shot if the archer can touch it with his bow without moving his feet from behind the starting line.



**Targets** are made of stitched, compressed straw rope called a **matt** or **battress** and have a thick paper face on which 5 concentric color zones narrow to a gold bullseye. The face is slanted 15° away from the archer. Targets come in 2 sizes - 4' (120cm) and 2' (80cm). Men shoot at the larger target from distances of 229.7' (70m) and 295.3' (90m); women shoot from 197' (60m) and 229.7' (70m). The smaller target is shot at from 98.4' (30m) and 164' (50m).

**What to watch for:** 1. Size and beginning stroke are not always indicative of the eventual winner. **Danell Pace**, USA, the '78 gold winner, weighs only 100bs (36kg). **Luan Rybn**, USA, who was in 7th place on the first day of the '76 Games, finally

win, setting a new world record.  
**2:** The most important clue to a likely ~~actor~~  
**intheadness**: the bowperson who ~~gives~~  
 no variation to ~~creep~~ in his style has the  
 superior ~~muscle memory~~ and ~~will~~ steadily  
 earn points while others wane.



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DOI 10.1215/03616878-32-4-1000 © 2007 by The University of North Carolina Press

#### **Current world records**



Richard Saul Wurman



# Tokyo is the world's largest department store.

Its stores  
are the subways and highways.  
Filled with noise as many tanks and people  
as New York City.

Its warehouse is the port and the markets.  
Its business card is the multiple signature  
found in its train stations.

Its jewelry department is the mechanical  
necklace created by the Yamazaki line.  
It is a new city in an old location.

It is a new city reborn after disasters,  
seriously preserving the dignity of its past.

It is a young city and a city for the young.  
Everything works.

It is uniquely safe in a world of cities filled  
with fear.

It is inventive graphically and electronically.  
It is perhaps the most expensive and most  
expensive of cities.

It is a labyrinth of unmarked, unaddressed  
streets where maps to everything are a  
necessity and 3 conversations are needed  
to find a specific destination.

This bilingual book is truly an international  
guide both for its intended audience and  
those who create both in Japan and the U.S.

Each page has listings that are  
intended to be read in each other.

Each page is a map of selected  
restaurants, hotels, shops, museums and  
attractions.

We have geographically placed a Master page  
of our city oriented on 8 areas of paper  
of an electronic city to form the pages of this  
book.

Jointly developed by C. Ann Fashion  
Design Co., Ltd. in Tokyo and  
ADDRESSPRESS LTD. in Los Angeles, this  
book is intended to bridge the ocean  
between resident and tourist.

Our audience for previous books in the  
ACCESS series has been divided equally  
between those who live in a particular city  
and those who choose to travel.

And mysterious and hermaphroditic  
discoveries lie as you browse through  
the pages of TOKYO/ACCESS.

Tokyo is a world city, a world store, a  
world factory.

Tokyo is a look at the world 2 years  
from now.



**THE DISTRICTS**

東京は世界最大のドリーム町。  
たとえばドリームの通りは、地下鉄と首都高速  
道路網、ニューヨークの2倍の人波とタクシ  
ーで賑わっている。

たとえばドリームの運河は、東京港と並んで  
世界。

これは各都市の表示は、夜空にきらめく  
星。

日本は世界都市を構成する主要都市のアメ  
リカ的な名前で、ヨーロッパの都市の中  
でもっと多い。

内閣は日本にとって東京、東京もアドレスも不  
明確な地図上に記入してある。

地図上では、東京は、東京と東京3つの地図  
を示す。

この地図で地図の地図として、東京アカデミーは、  
東京の外観アカデミーとシティアカデミーとオーバー  
シルムスアカデミーとヨコハマの地図。

東京は「作られた」インテリジェンスからな  
り。

東京は世界の地図上に立って、特に選ばれ  
たレガシートラックやカントリーハウス、農場地  
域等などの地図が配置されています。

地図にあたっては、スクリートニコラフードチ  
イ東京を手の形にこねるため、私たちも開発し

たとえば、東京アカデミーと東京3つと田舎の内に

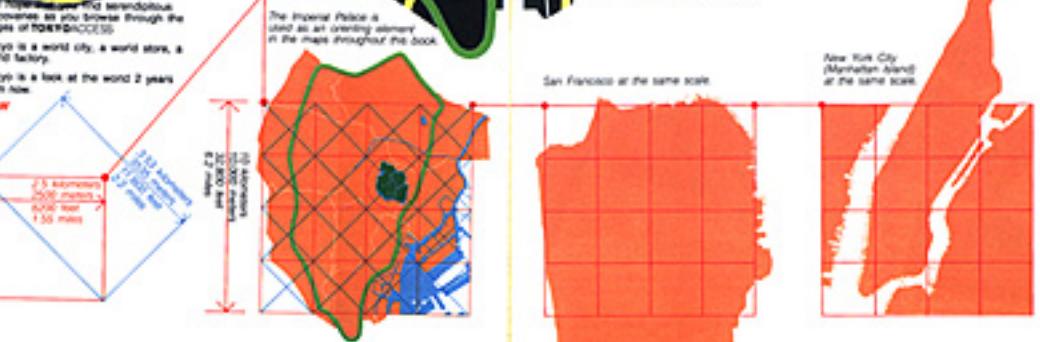
地図地図地図を囲むように配置した地図の構  
造であります。これが日本のアカデミー・センター

の地図地図地図を囲むように配置した地図の構  
造であります。これが日本のアカデミー・センター

の地図地図地図を囲むように配置した地図の構  
造であります。

東京は世界の街であり、世界の店であり、  
世界の工場であり、世界の世界を手に取れる  
街です。

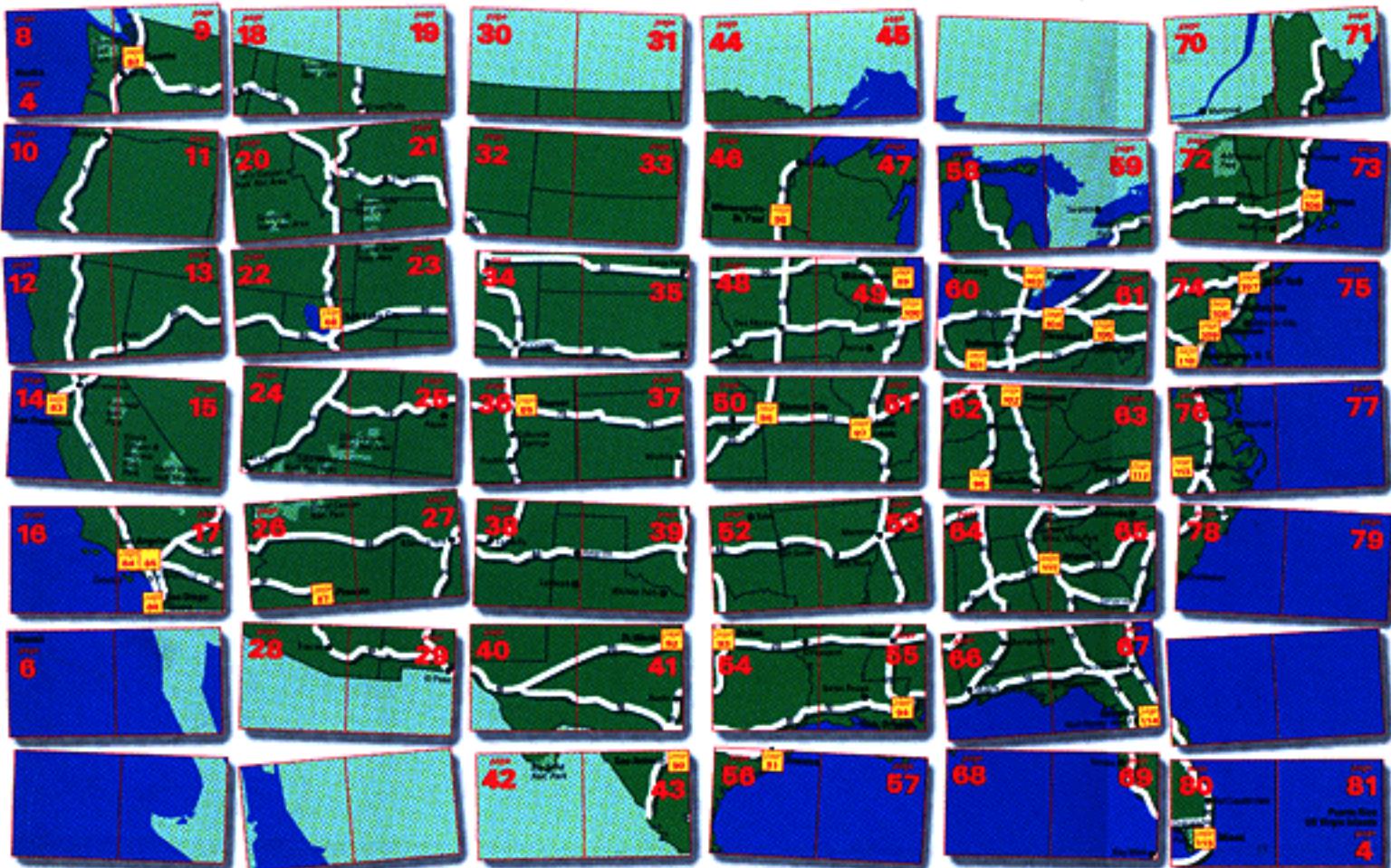
トヨタ・ソール・ワード



THE SMARTEST DISTANCE BETWEEN TWO POINTS



RICHARD SAUL WURMAN'S 1990 ROAD ATLAS



ACCESS PRESS

**Boxed**

Box has a 6-pt text inset, and is 10% of color.

Box line divider is made by typing four "n's in a row, then applying "box line divider" style (it's Zapt Dingbats). Makes it easy to get lines that are equally spaced and will always move with the text. You just write the text lines, hit return and type nnnn, hit return and continue writing text.

Then apply "box line divider" style to the "nnnn".

### One line heading

Text that follows the headings is spaced using the little spacer box in the library (shown above) the red question mark is also in the library

**Heading/Black****Heading/Color**

Text with Text red in the middle of sentence. Text is Minion 9 pt

**Bullet/9/06**  
(the blue bullet is made by typing the letter "n", then applying the Color Bullet/9 style (Zapt Dingbats).

**NOTE:** There are character styles for Heading Black and Text Red in case they show up in the middle of text.

No text or anything important should appear between these lines. This area will be lost in binding.

bottom of text is lined up with top left side of the blue box and the text box is snapped to the guideline.

**ACTION ITEMS****Action Head****Action Sub Head****Action text 14pt/1**

**Bullet/9/06** The blue bullet is Color Bullet/9.5. Type the letter "n", then apply Color Bullet/9.5 style (Zapt Dingbats)  
**Action bullet 9.5/02/indent**

**Action Question/FG****Action Text/9.5/06**

The question mark block is supplied as an eps file. You will need to change the colors for your chapter (see below right). The "?" is the background color at 50%.

This should always be a question with a question mark at the end of it. The size of the Question style may vary depending on the length of the question.

**Answer Red**, here tries to give a short answer to the question above

**Answer Black**, which may add a little more detail

Throughout, please bold proper names like Richard Saul Wurman or UnitedHealthcare.

Each chapter should use a different color for the question block, action item area, etc. Please call us before you choose colors so that we may avoid duplication.

**Sample Styles**

This style sheet template shows where the various styles have been used, and formatting ideas used in the three sample spreads given to you. In each case the name of the style has been typed in, showing where it is used and its function. For the Action Box, there are a number of different styles, depending on the length and type of text.

The numbers in Style names stand for point size and space above: e.g., Bullet/9/06 is 9 point with .06 space above.

Since all sections will be using different colors, all you need do to change the entire color set-up is delete "Sleep" from the colors menu and replace it in the dialog box with whatever color you choose.

Please see the sample spreads for ideas on handling time lines, labeled diagrams and other elements.

- 1 Use these numbers for lists.
- 2 They will be supplied to you on disk.
- 3 The originals are eps files created in Freehand.
- 4 You may change the color to suit your chapter(s).

This side bar can be used to summarize research findings. Each entry should be followed by a colored bar. The source of the research should appear in the text. For example: A 2001 US Department of Health and Human Services report says blah, blah, blah.

Box has a 6-pt text inset, and is 20% of color.

Box line divider is made by typing four "n's in a row, then applying "box line divider" style (it's Zapt Dingbats). Makes it easy to get lines that are equally spaced and will always move with the text. You just write the text lines, hit return and type nnnn, hit return and continue writing text.

Then apply "box line divider" style to the "nnnn".

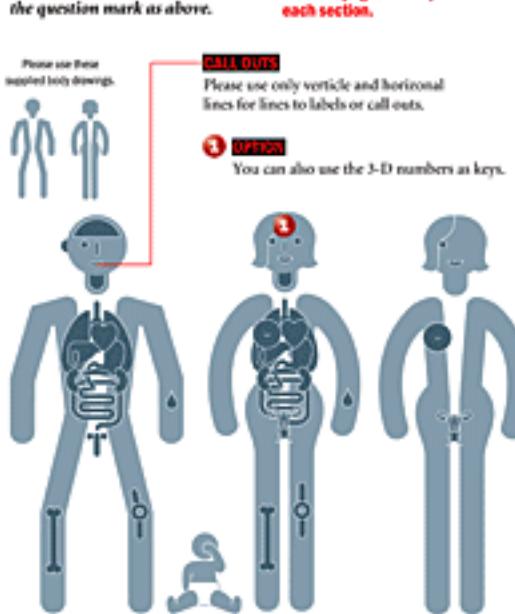
Note: Try to limit all non-display type to Minion and Franklin Gothic families.

Note: Try to limit all non-display type to supplied Minion and Franklin Gothic families. Blah, blah, blah, blah, blah.

Source: Book Title, Author.

**Ask a sub question?**  
You may wish to use this treatment to ask and answer a sub question within your spread.

**Ask a sub question that takes two lines?**  
If two lines of type are used for the sub question, relate them to the question mark as above.

**Section colors**

**Understanding Yourself-Gold**  
30M, 70H, P = 50%; action area = 20%; bar = 10%; Master A\*

**Understanding Them-Blue**  
30C, 50K, T = 50%; action area = 20%; bar = 10%; Master B\*

**Making It Happen-Green**  
40C, 40V, 20K, T = 50%; action area = 20%; bar = 10%; Master C\*

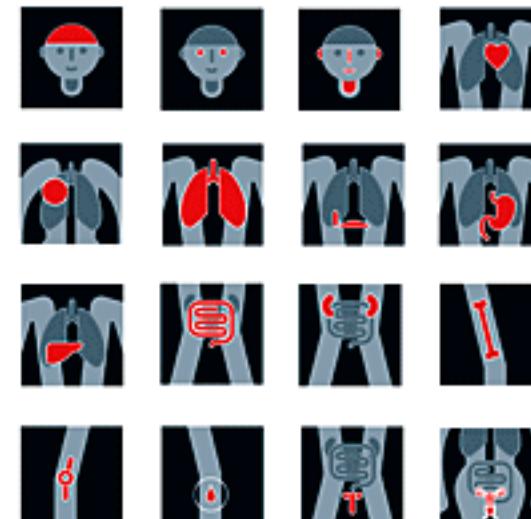
\*Master pages in template file for each section.

**CALL OUTS**

Please use only vertical and horizontal lines for lines to labels or call-outs.

**OPTION**

You can also use the 3-D numbers as keys.



Use these icons to indicate different body parts and body systems.

**THIS IS DR. SEEMORE**

Use him when you want to give some additional information on something mentioned in your spread.

**CONSUMER ALERT**

Some spreads will be supplied with a consumer alert that should be treated like this example.

We would like to show references to other spreads where possible. Please use this treatment inside the text when directing the reader to another page.

**THIS IS DR. READMORE**

Use her when you'd like to have a female doctor's point of view.

What standard options can I use on my spreads?

This area can be used to give a quick answer to the above question.

That sheet answer can be followed by more detail that looks like this. Throughout, please bold proper names like Richard Saul Wurman or Markle Foundation.

Sources: Book Title, Author: www.website.com; Name of Association: US Census, So-and-So Magazine.

**ACTION ITEMS****Edit action item heads to fit here**

Here are some examples of how to handle checklists, lists, resources (including web sites) in the action item area.

Ask yourself:

• Is the trip necessary?

Ask your wife or partner:

• How does she feel about the trip?  
• Will she need help while you are away?

Source: Name of Association.

- 1 Tell your child together.  
Assure your child that although his parents may be separating, you both will still be there for him and that you are still a family. Keep the explanation age-appropriate and never place blame on each other or your children.
- 2 Don't try to be superdad.  
Parenting is tough, and single parenting is even tougher, so don't feel guilty if you have to ask for help.

NUMBERS IN RED CIRCLE SUPPLIED THROUGH 15.

**Recommended Reading****Fatherneed**

Kyle Parent, MD

With advice to fathers ranging from how to speak to toddlers so that they listen to how to avoid the common tendency to reinforce gender stereotypes in young children, Fatherneed is the perfect resource for all dads—including divorced fathers, fathers of adopted children, stepfathers, and fathers of special-needs children—as well as moms who want kids who are meaningfully connected to their fathers.

**Other resources**

- Support during labor  
Doulas of North America  
[www.dona.com](http://www.dona.com)
- Breast-feeding support  
La Leche League  
[www.lalechelleague.org](http://www.lalechelleague.org)
- Childbirth education  
The Bradley Method  
[www.bradleybirth.com](http://www.bradleybirth.com)
- ICEA (International Childbirth Education Association)  
[www.icea.org](http://www.icea.org)

If you want to include a short tip, use this icon in this position and format the type like this so that all tips are uniform throughout the book.

**One step at a time.**  
Reaching the White House is a long trip. It may take years. Basically, you've got to convince millions of voters that you know how to run a big, contentious country like the United States.

Source: U.S. Census Bureau, Government 2000.

This bar highlights some of the key steps along the path to the presidency.

**1 Raise a few million.** To demonstrate that you have broad national appeal, you've got to raise at least \$1,000 from small contributors (contributors of \$250 or less) in at least 20 different states—that's a \$10,000 total and it's the bare minimum to get started as a candidate. You'll need even more.

**2 Take a stand.** Tell your supporters that public and people who are active in their political party.

**3 Hire some help.** Get a handle to make you look good. Professionals are available to help you package yourself so that you have maximum appeal. Hire a spin-doctor to package you for the media and help you put the most positive spin on everything that happens. It's vital that you seem credible and attractive to the print and broadcast media. Special consultants can help.

**4 Decline your candidacy** early enough to become a household name before the first primary. Some candidates now become invisible more than 15 months before Election Day.

**5 Buy opinion polls** to find out what the public thinks of you, your issues, and your opponents. Make changes to increase your appeal.

**6 Keep good records.** You've got to be able to show where all your campaign contributions came from if you expect to receive matching federal campaign funds. Each candidate must file periodic reports to the Federal Election Commission to detail their income and expenditures.

**7 Win in a straw poll.** Show polls that elections that state parties use for fund-raising and publicity. The results of these elections don't count, but if you make a good showing you'll get lots of positive publicity. The local caucus is typically the first and most visible straw poll.

**8 Eat rubber chicken.** Fund-raising dinners and launch your campaign. Get out and meet people. Impress them with your wit and wisdom. Listen to their concerns.

**9 Distinguish yourself** from your party's opponents. Once you emerge as your party's chosen candidate, you've got to flaunt your issues. Separate yourself from the herd. Later you can move to the middle of the road.

**10 Win some state primaries.** To show your voter appeal, a good showing is vital to financial support. The New Hampshire primary is the first and the most visible. It's long, but the press loves to cover it. In recent years, it is rare for a candidate to become president without first winning in New Hampshire. In fact, in the last 40 years only Bill Clinton did not carry the New Hampshire primary.

**11 Cash Uncle Sam's check.** Candidates who receive many small contributions from many people qualify for matching federal funds. The money keeps coming until you gain less than 10 percent of the popular vote in two consecutive primaries and fail to win 20 percent in a subsequent primary.

**12 Make news.** Stage events. Get yourself on TV nightly. With millions of voters watching TV, exposure is great for your campaign.

**13 Secure your party's endorsement.** Find enough primaries and demonstrate public support in opinion polls, and you'll have the endorsement locked up before you get to the national convention.

**14 Unify the party.** You'll need the support of your former opponents to finish the race. Make peace and pull the party together.

**15 Craft a viable party platform.** Choose issues that everyone loves and no one hates. It's harder than it sounds. Be prepared to make some compromises. Move to the middle of the road. Politically, Americans are largely similar. No extreme candidate can win. If you supported extreme positions to win attention early in the campaign, it's time to shift to a more moderate position. Make existing positions.

**16 Choose a running mate** who can pull in extra votes, level out platform imbalances, and keep feet out of mud.

**17 Escape mainstream media.** Find ways to talk directly to the voters. Appear on MTV or a talk show to avoid distortion of your views by news commentators or editors.

## Becoming President

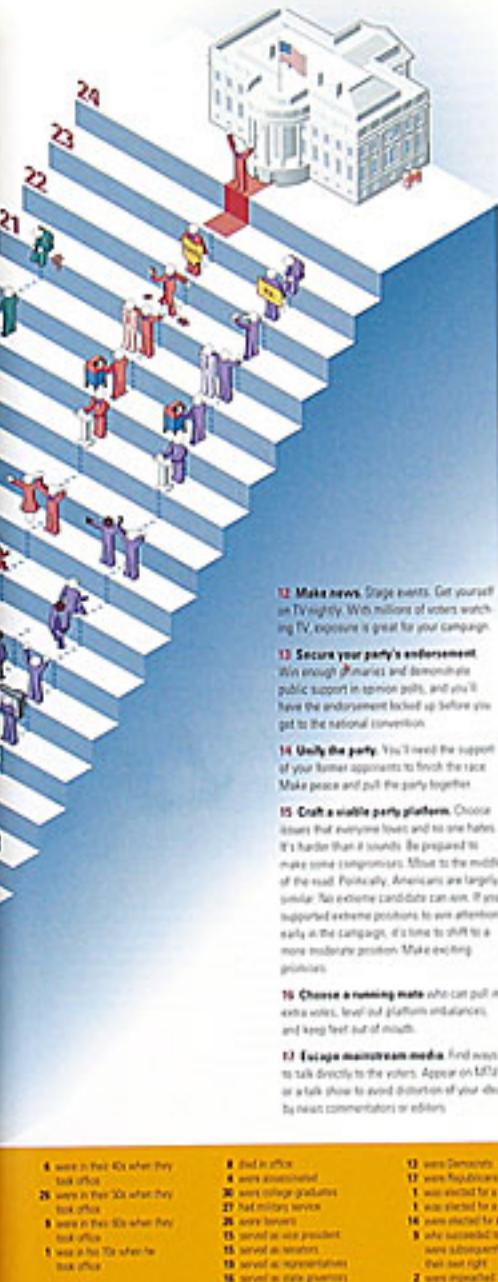
How do you get to the White House?



**Presidential trivia**

- Of the 42 presidents...
- 12 were born in New York, Ohio, or Virginia
- 25 had fathers who were farmers or farmers
- 8 had a brother who was president
- 1 had a grandfather who was president

- Had 2 or more brothers and sisters
- Were the first born in their families
- Were married
- Were divorced
- Were disabled
- Had 13 children



**18 Debate.** Demonstrate your ability to think on your feet and show voters that you are fit to be a president.

**19 Get out the vote** any way you can. Simple volunteer efforts, mailings, phone calls, and e-mail are inexpensive. And process. Meet the voters face to face. Go while the cameras are rolling.

**20 Return favors.** Support your party's local candidates. Ideally, if you expect party support to keep you afloat, visit the cities and states where local elections are close to give your party's candidates a boost. Help them and they'll help you.

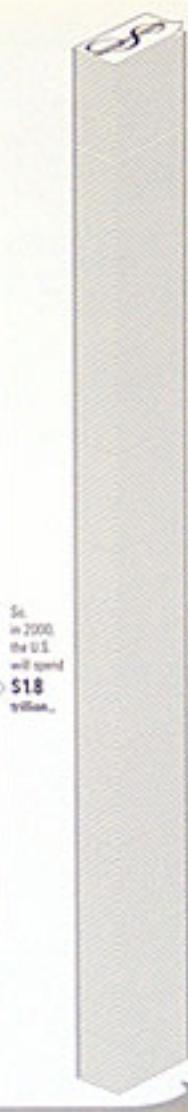
**21 Sing mad but wear Teflon.** Disparage your opponent's record and values carefully. Negative campaigning can backfire. Be prepared to counter low blows directed your way.

**22 Target swing states.** Don't waste time in states where you're likely to lose or where you have a strong lead. Go to the undecided states where electoral votes are plentiful and hard-fought.

**23 Don't stop running until the last vote is cast.** Your official presidential campaign ends on Election Day—the Tuesday after the first Monday in November. Don't plan any time off until the race is over.

**24 Get to work.** The race was the easy part. Now it's time to make good on your promises so that four years from now, you can win the race all over again.

- Code of Federal Regulations, Government Printing Office, U.S., [www.access.gpo.gov/afa/cfr/](http://www.access.gpo.gov/afa/cfr/)
- The Code of Federal Regulations (CFR) is a collection of the rules and regulations of the Federal Government published in the Federal Register by the Executive departments and agencies of the Federal Government.



## Federal Expenses

Where does the money go?



Source: 2000 Budget of the United States Government (OMB).

From time to time you'll hear the phrases **on-budget** and **off-budget**. The **on-budget** budget measures the expenses of the federal government. The **off-budget** budget, however, is composed of funds that are not included in the regular budget. These funds are often used to finance special projects.

In order to satisfy the legal requirement, the budget displays an **on-budget** and **off-budget** budget. The **on-budget** budget is the most visible indicator of how much the government spent in a given year. It really is a deficit if it exceeds the **off-budget** budget. The **off-budget** deficit looks smaller than the **on-budget** deficit because the **on-budget** deficit reflects the **off-budget** spending in running a surplus.

The **on-budget** is the first budget in February as the President's deadline for submitting his proposed budget to Congress for the next fiscal year.

The U.S. government's fiscal year begins on 1 October.

- Center on Budget and Policy Priorities, [www.cbo.gov](http://www.cbo.gov)
- The CBO is a nonpartisan research group that analyzes government policies and programs that primarily affect those in the low-to-middle-income range. Their site contains many timely reports.

But...

## Pregnancy myths

**USA:** If a pregnant woman has a lot of indigestion, her baby will have a lot of hair.

**Italy:** If she crosses her legs, her cervix will not open easily during labor.

**America:** If she steps over a donkey's rope, the umbilical cord will wrap tightly around the baby's neck.

**Japan:** If she eats sour foods, she will harm the baby's skin. If she eats sweet things, she will slow the baby's bone formation. If she eats spicy foods, she will unsettle the baby's soul.

## Pregnant fathers?

**Cocaine ("coo-VAH") Syndrome:** Phenomenon in which the father feels or exhibits pregnancy symptoms. In some aboriginal communities, men retreat to bed, scream as if in labor and receive marthing while the mother gives birth somewhere else. In the U.S., fathers-to-be have reported morning sickness, weight gain and food cravings.

## Pregnancy and Weight Gain

### How much weight should a woman gain during pregnancy?

If a woman is...	she should gain...
Carrying twins:	35–45 pounds
Underweight:	40 pounds
Normal weight:	25–35 pounds
Overweight:	not less than 15 pounds



### How fast should she gain it?

A woman should gain about three to four pounds in the first three months and one pound a week thereafter through Month 8. In the last month, the rate of gain should drop to less than a pound a week.



(approximations for normal-weight women)

### How is the weight gain distributed?

In the average pregnancy, most of the extra pounds come not from the baby but from the changes the woman's body undergoes to support pregnancy and lactation.

Baby	7.5 pounds
Placenta	1.5 pounds
Amniotic fluid	2 pounds
Uterine enlargement	2 pounds
Breast enlargement	2 pounds
Fat stores	7 pounds
Increased blood volume	4 pounds
Fluid retention	4 pounds

(approximations for normal-weight women)



**Morning sickness:** Who: About 50% of women. What: Ranges from queasiness to frequent vomiting. Occurs any time of day. In severe cases, persistent vomiting requires medical care. When: Usually ends by Week 12, but for some women, lasts for the duration.

## A Total-Body Experience

- Hair gets thicker and more lustrous.
- Vision may become less sharp.
- Nasal stuffiness or nosebleeds become more common.
- Mouth produces an excess of saliva. Gums tend to swell and bleed.
- Sex drive may increase or decrease at different stages.
- Blood volume increases by 40%.
- Breast size may increase up to two cup sizes.
- Nipples get darker and larger.
- Stretch marks may appear on breasts, belly, behind.
- A dark line runs down center of abdomen; it fades but might never disappear completely.
- Uterus expands to as much as 1,000 times its original size.
- Size of uterus
  - at 40 weeks
  - at 32 weeks
  - at 20 weeks
  - at 12 weeks
  - at 8 weeks
  - at 4 weeks
  - at 2 weeks
  - at 1 week
  - at 0 weeks
- Body hair may appear on face, back, belly.
- Lower back pain that extends to hips, buttocks and legs may develop (sciatica).
- Constipation can occur, which may cause hemorrhoids.
- Carpal tunnel syndrome is more likely to occur.
- Nails grow faster and stronger.

## How does pregnancy change a woman's body?

Pregnancy can affect almost every aspect of a woman's body.

The hormones produced to support childbearing don't single out the uterus, breasts and other "baby-related" body parts. Rather, they can impact virtually all of the body's systems, organs and tissues.

Note: If any of these symptoms is severe or worrisome, a physician should be consulted.

## ACTION ITEMS

### Coping with pregnancy symptoms

#### Morning sickness

- Eat several small meals instead of three large ones.
- Keep crackers or dry toast by your bed. Eat them about 20 minutes before you intend to get up.
- Avoid unpleasant smells.
- Drink fluids between rather than with meals.
- Try wearing "pressure-point" (non-medicinal) wristbands sold for preventing seasickness.

#### Swelling (legs, ankles, feet)

- Elevate your legs or lie down.
- Wear support hose. Put them on in the morning, when swelling is typically down.
- Drink at least eight glasses of fluid daily.

#### Constipation and hemorrhoids

- Have two glasses of water first thing in the morning.
- Include high-fiber foods in every meal.
- Don't use laxatives unless your doctor prescribes them.
- If you develop hemorrhoids, don't sit for long periods of time. Avoid straining during bowel movements.

#### Assembling a low-stress, low-cost maternity wardrobe

- Borrow, borrow, borrow!
- Search your husband's or a male friend's closet. Men's dress shirts, vests and T-shirts (if overly large on you) can work well with maternity pants.
- Buy a few simple, flattering, solid-color maternity separates that you can wear frequently. Use jewelry, scarves and other accessories to break the monotony.
- Purchase these "must-haves" at a maternity store:
  - Maternity or nursing bra
  - Leggings
  - Jeans

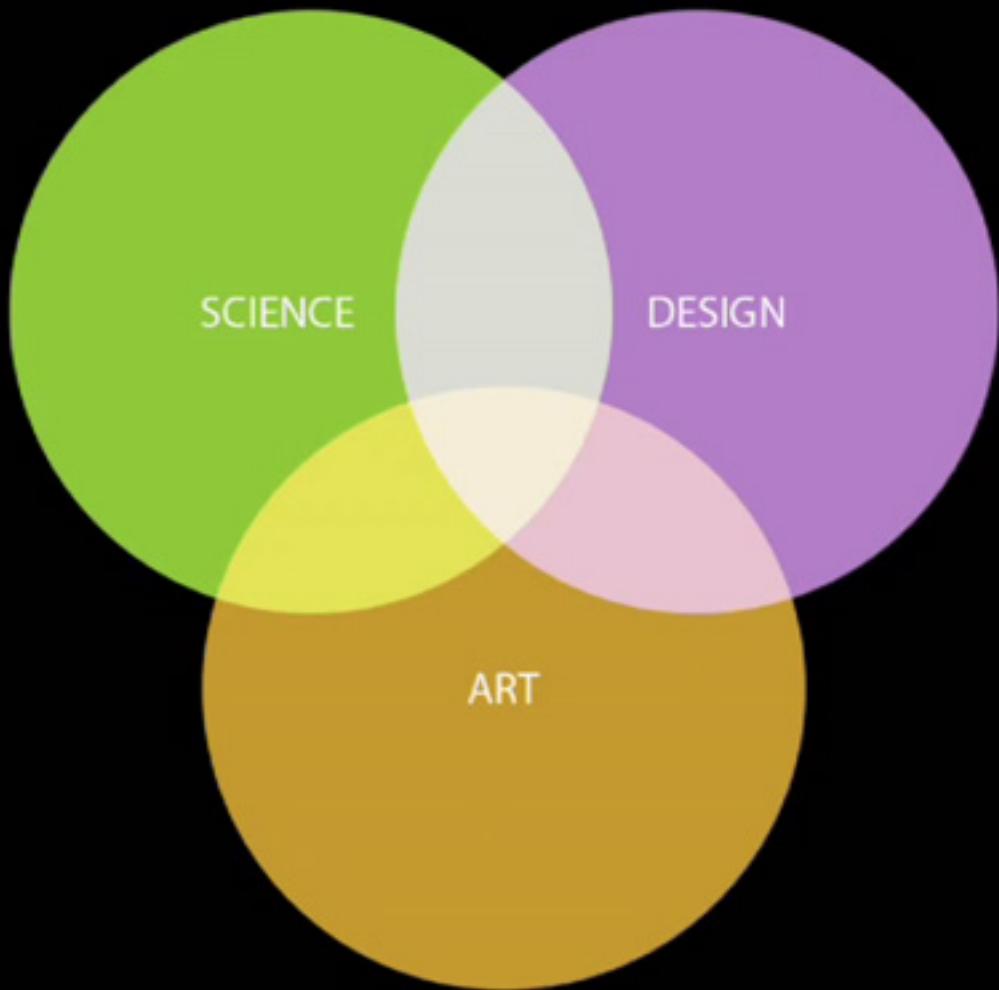
#### Resources and information

- [www.babycenter.com](http://www.babycenter.com)
- [www.childbirth.org](http://www.childbirth.org)
- [www.pregnancytoday.com](http://www.pregnancytoday.com)

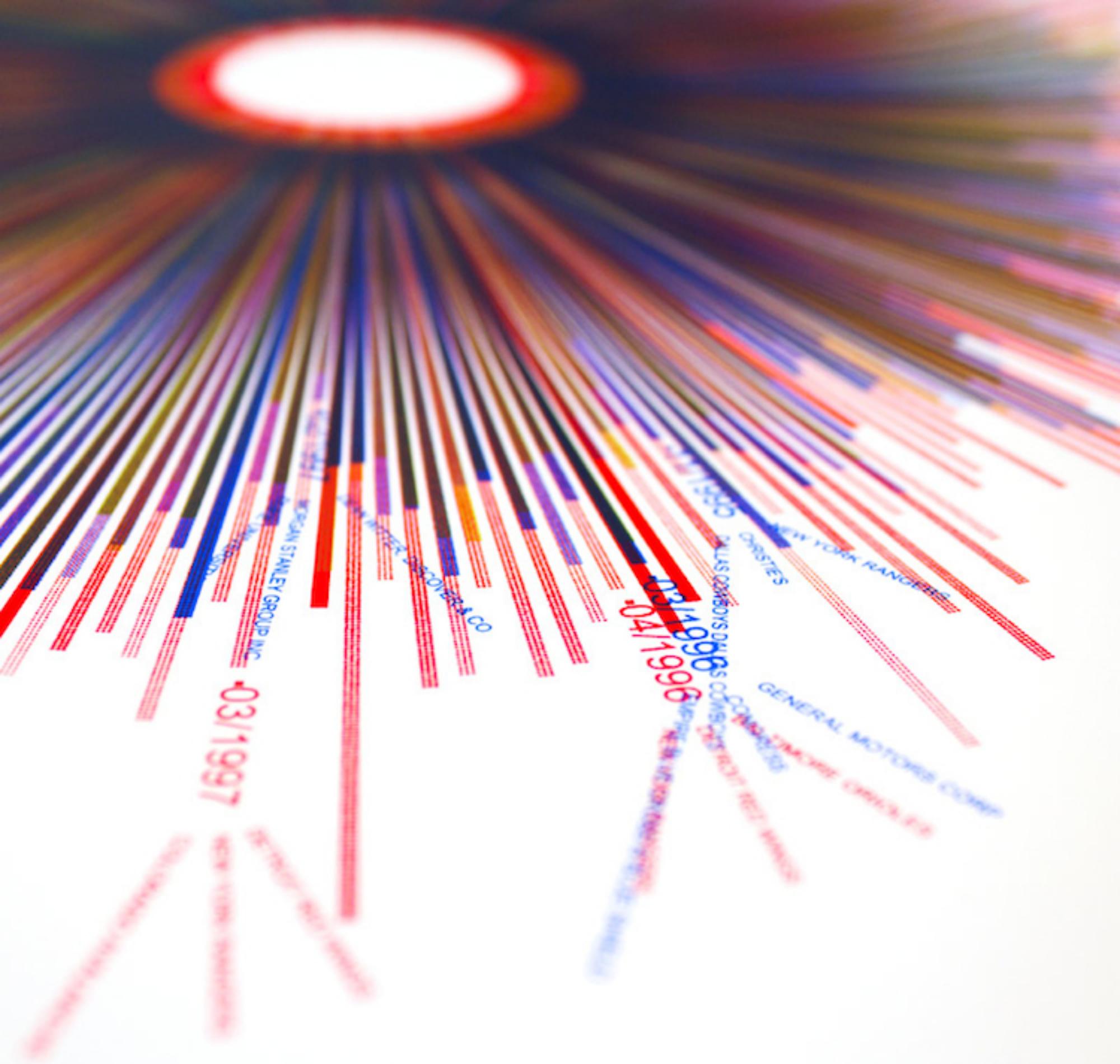
What to Expect When You're Expecting  
Arlene Eisenberg et al.

Planning for Pregnancy, Birth, and Beyond  
The American College of Obstetricians and Gynecologists

Mayo Clinic Complete Book of Pregnancy & Baby's First Year  
Robert V. Johnson, editor







03/1996  
04/1996

NEW YORK RANGERS  
CHRISTIES  
DALLAS COWBOYS

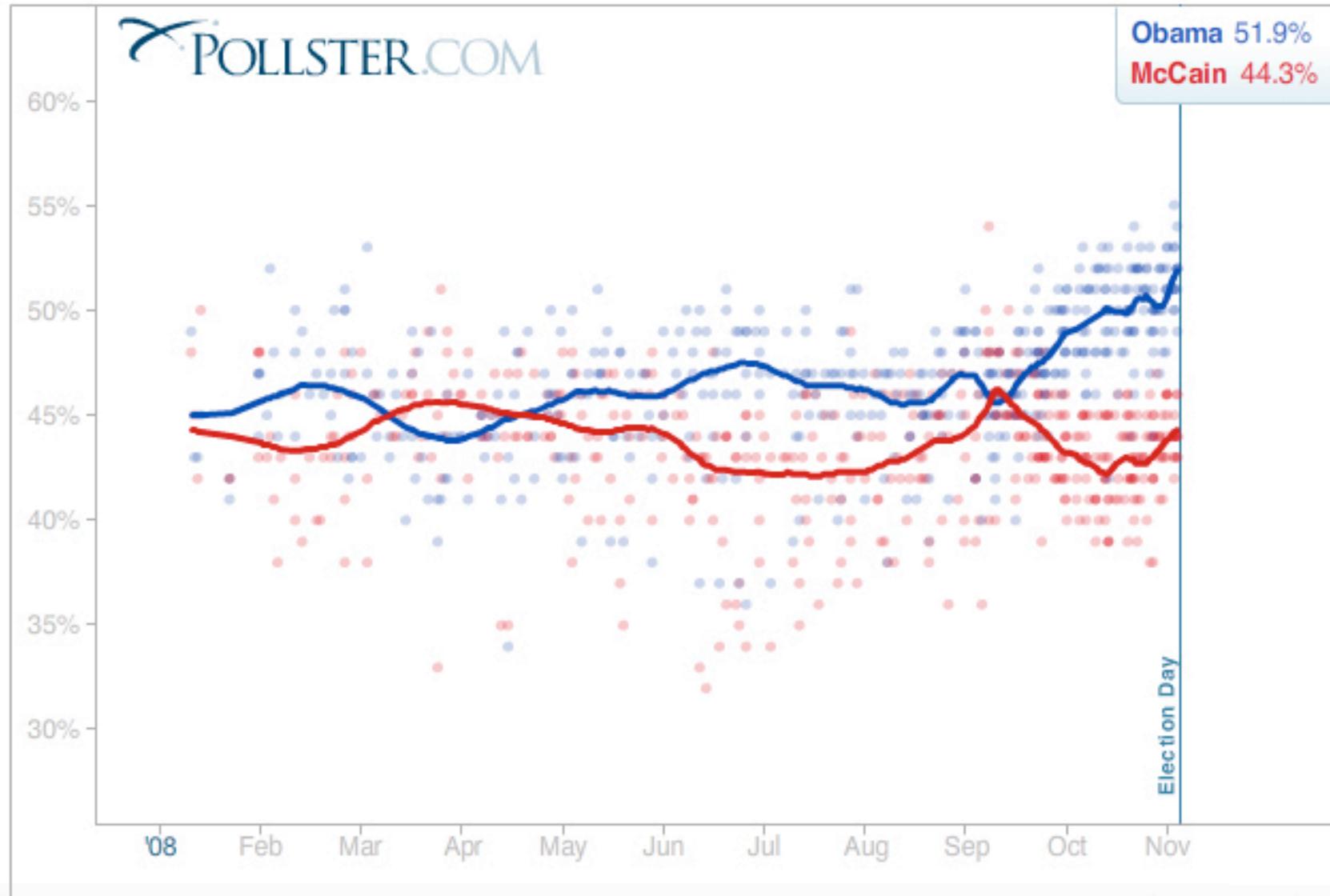
DHL  
CONSOLIDATED AIRLINES  
GENERAL MOTORS CORP.  
TRAVELERS GROUP INC.

MELLON BANK

THE STANLEY GROUP INC.

03/1997

# President: National





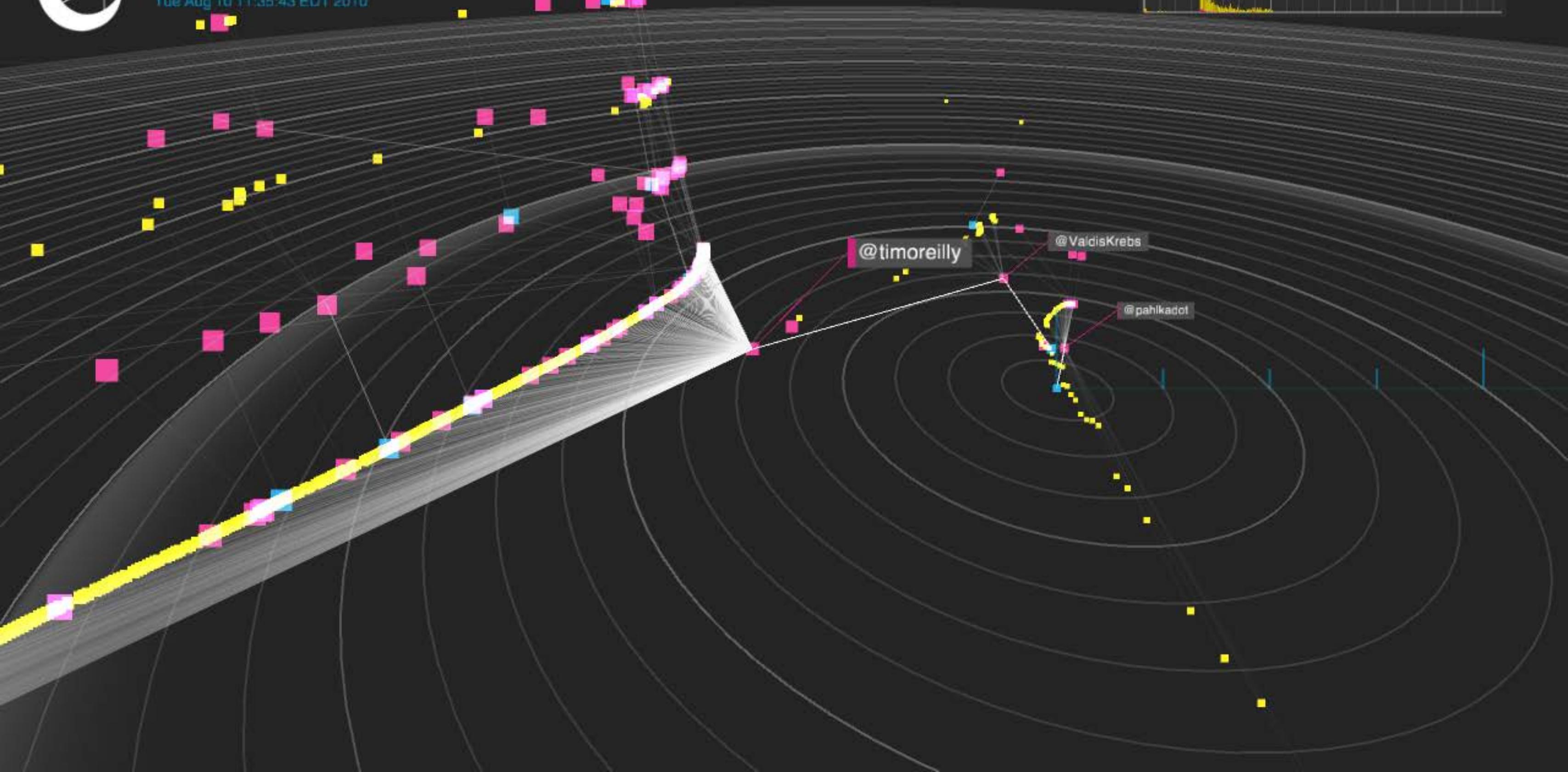
# OP-ED COLUMNIST; America Goes Dark

By PAUL KRUGMAN

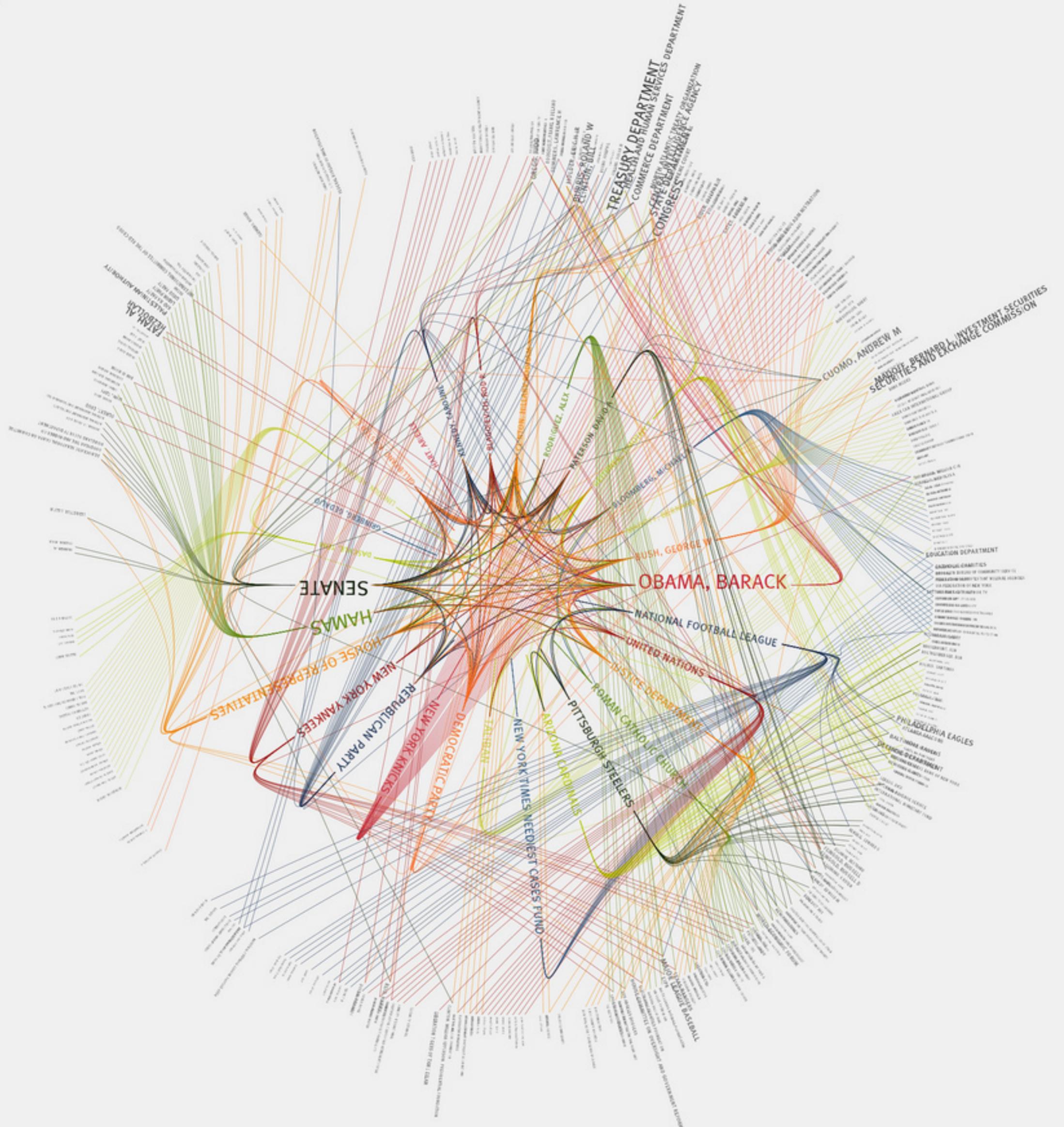
Tue Aug 10 11:35:43 EDT 2010

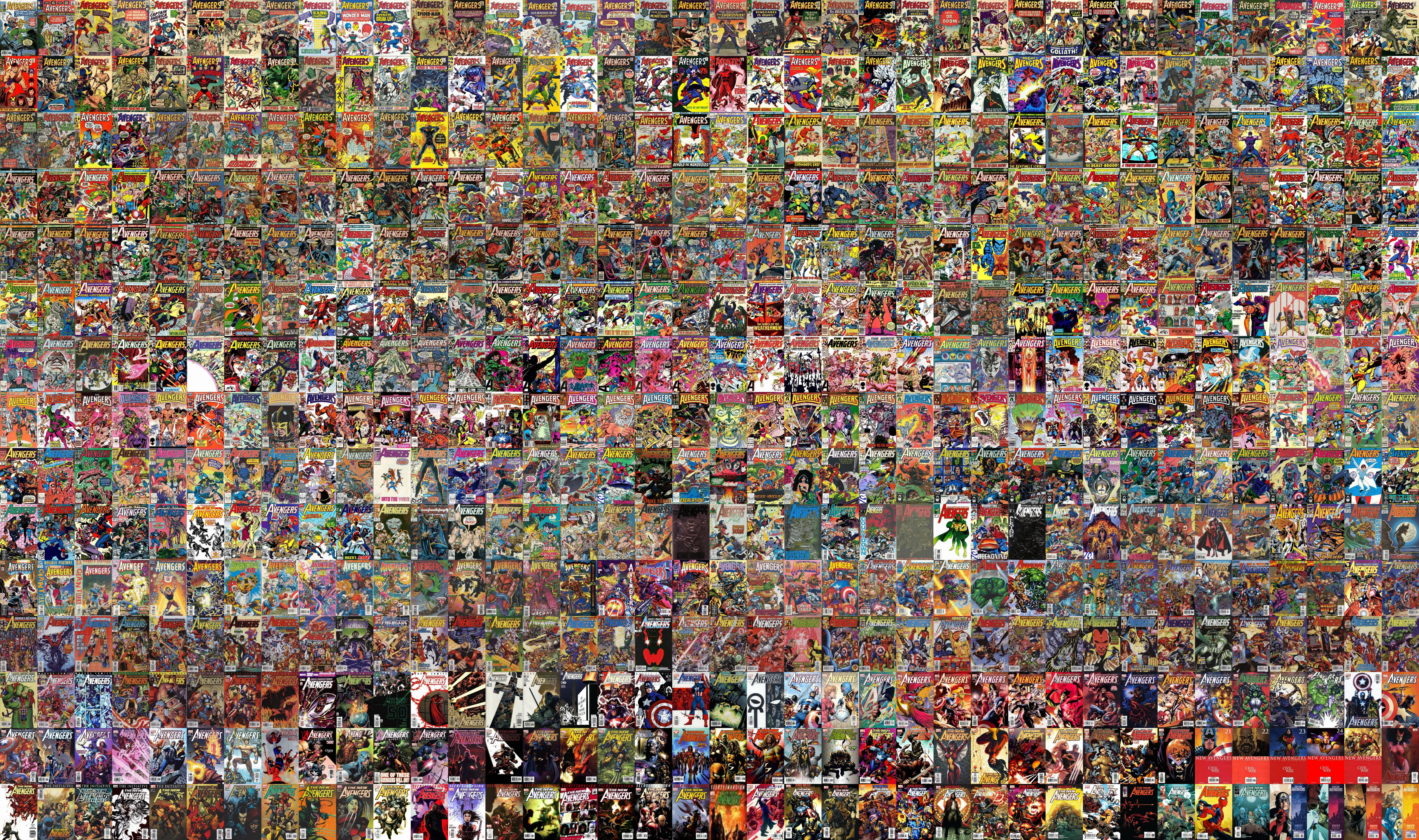
2756

187



2009





# AVENGERS (1963 - 2011)

## CREATORS - LETTERER

CHRISTIE (MAX) SCHEELE

BILL OAKLEY

ALBERT DESCHESNE

SAM ROSEN

RICHARD STARKINGS

JIM NOVAK

ARTIE SIMEK

JOHN COSTANZA

COMICRAFT

CHRIS SOTO SOTOMAYOR

JANICE CHIANG

JOE ROSEN

DENISE WOHL

TOM ORZECHOWSKI

RICK PARKER

GASPAR SALADINO

DAN CRESPI

IRVING WATANABE

WILDSORM FX

JOHN CONSTANZA

RUS WOOTON

DIANA ALBERS

DAVE HUNT

JACK MORELLI

CHARLOTTE JETTER

SHELLY LEFERMAN

CHRIS ELIOPoulos

ED LAZELLARI

WES ABBOTT

MICHAEL HIGGINS

BRAD K. JOYCE

JOHN WORKMAN

ANNETTE KAWEKI

JIMMY BETANCOURT

RANDY GENTILE

Saida Temofonte

ALBERT DE GUZMAN

KEN LOPEZ

JON BABCOCK

STEVE DUTRO

MICHAEL HEISLER

GARY FIELDS

JOE ALBENO

L.P. GREGORY

JEAN SIMEK

ELAINE HEINL

JUNE BRAVERMAN

JEAN IZZO

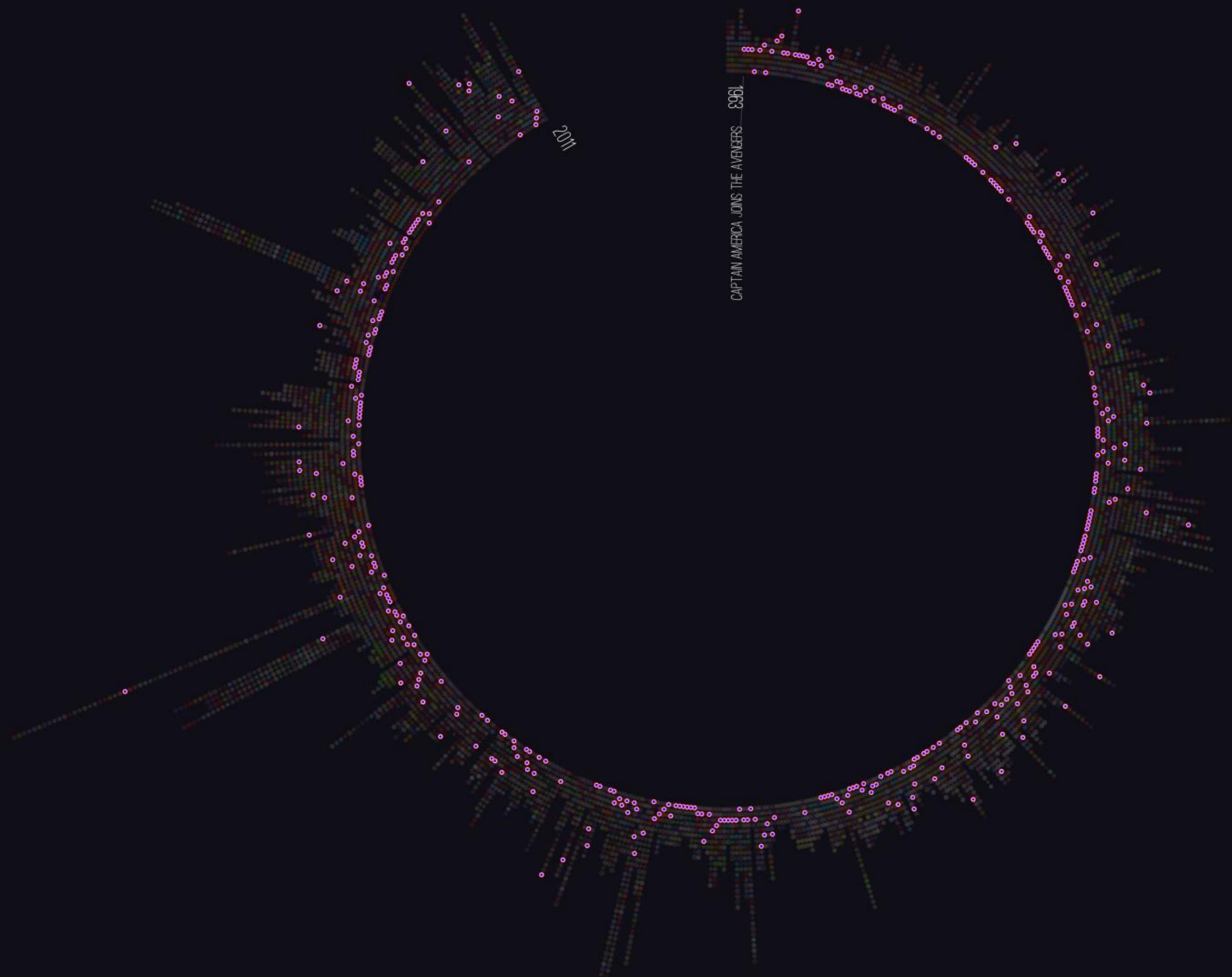
DENISE VLADIMER

HERB COOPER

JERRY MANN

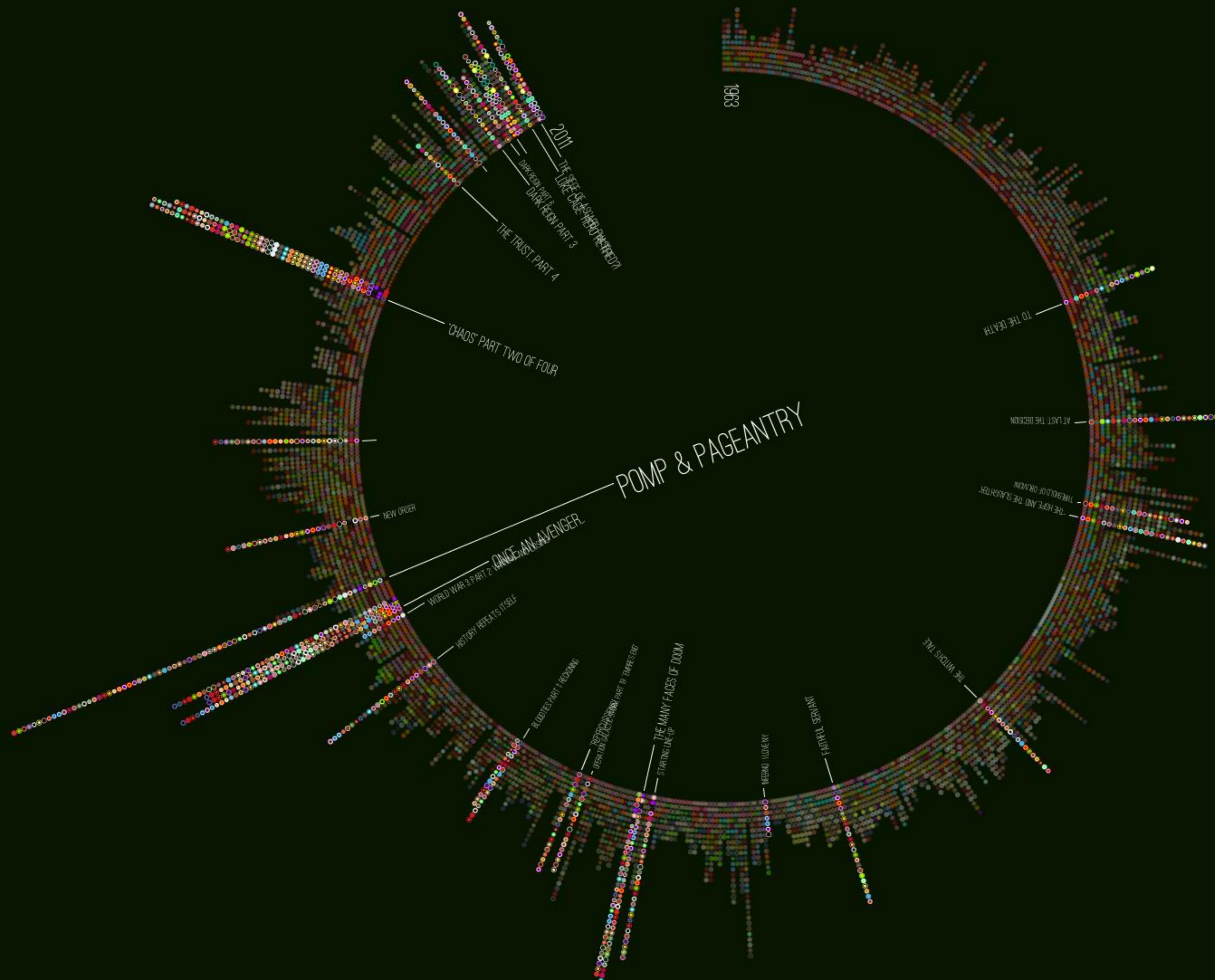
# AVENGERS (1963 - 2011)

CAPTAIN AMERICA



# AVENGERS (1963 - 2011)

ISSUES WITH MOST AVENGER APPEARANCES



# AVENGERS (1963 - 2011)

CREATORS - WRITER: CHARACTER FEMALENESS







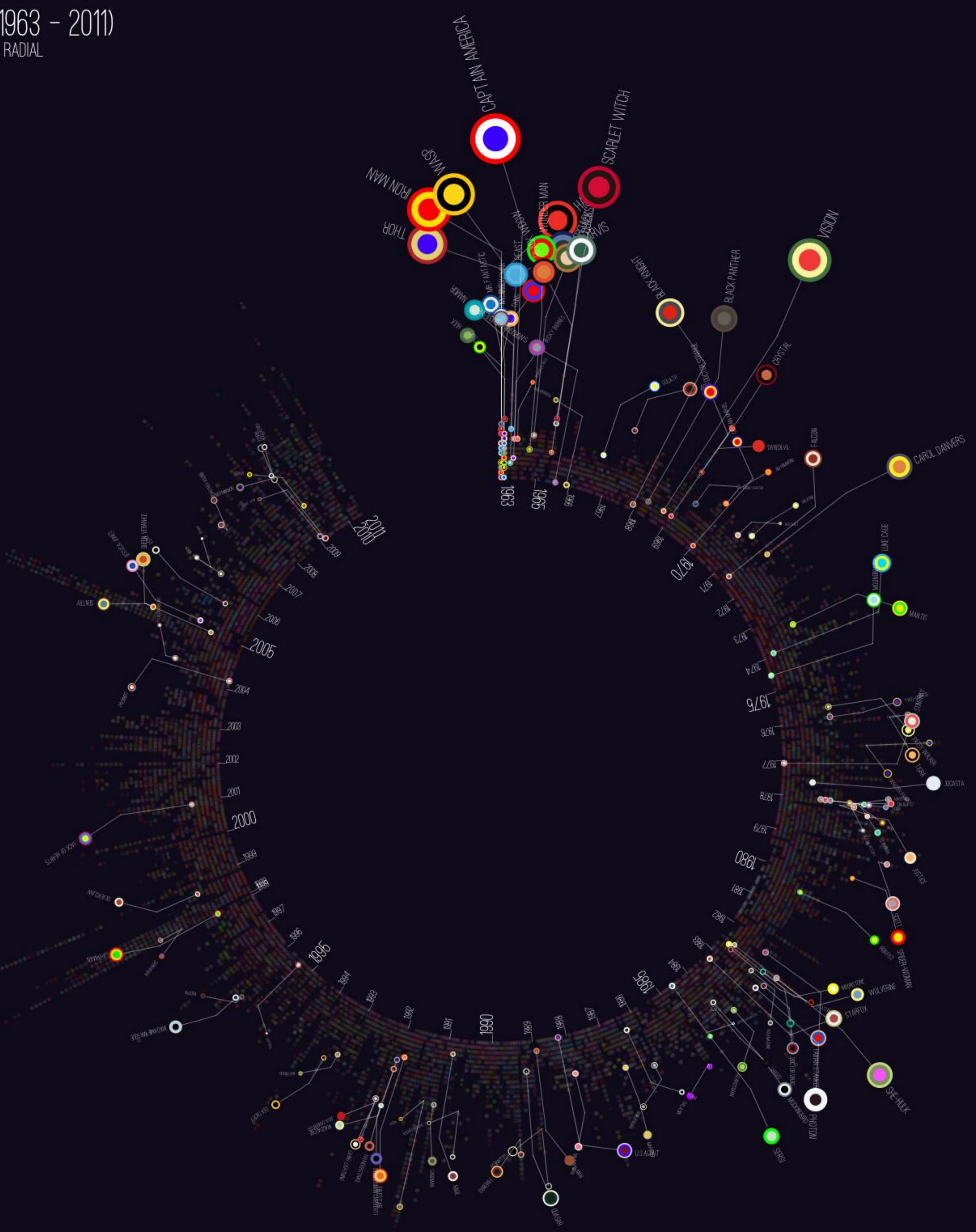
# AVENGERS (1963 - 2011)

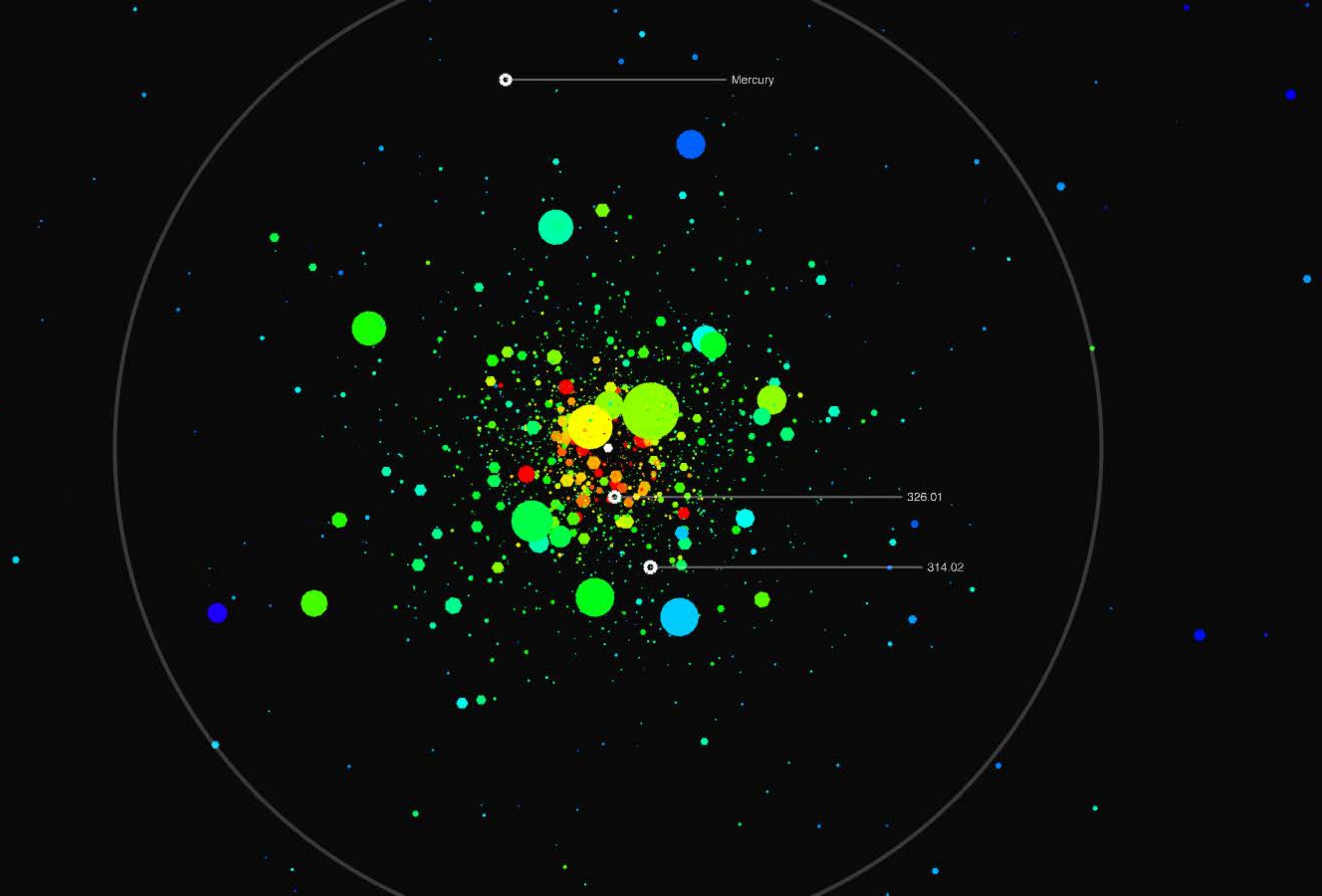
EVERY AVENGER: EVERY AVENGER - RADIAL

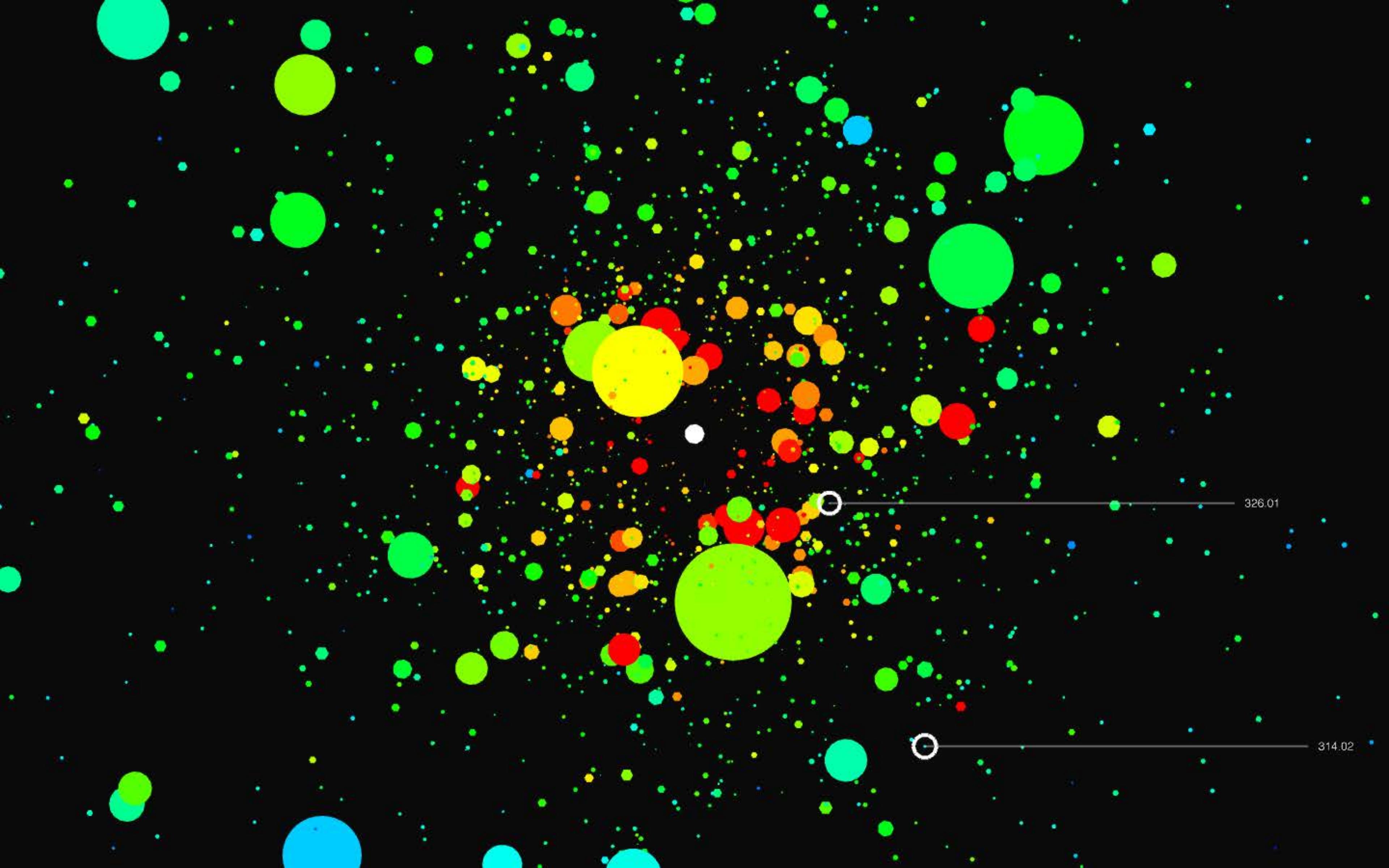


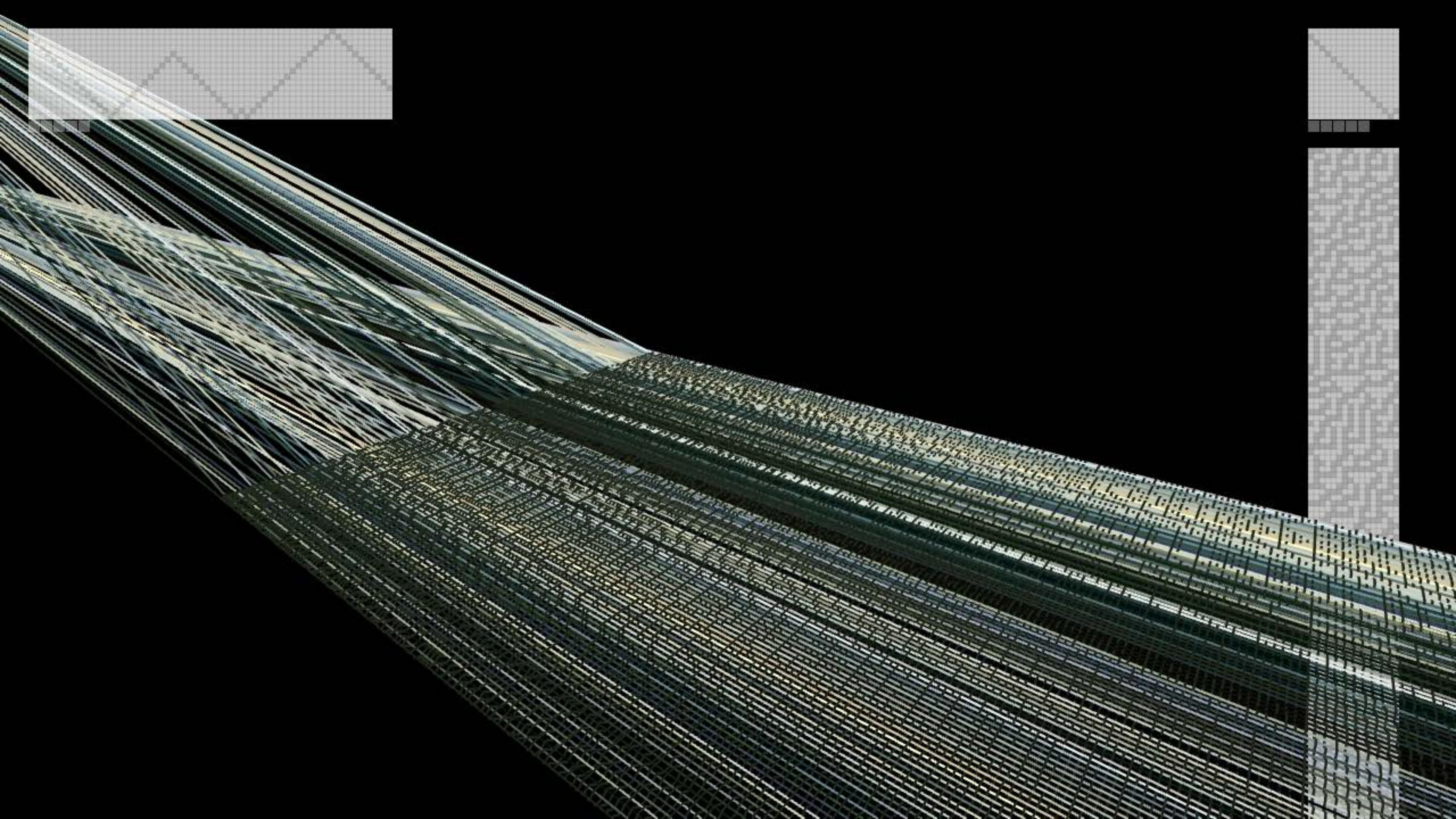
# AVENGERS (1963 - 2011)

## FIRST APPEARANCES - RADIAL

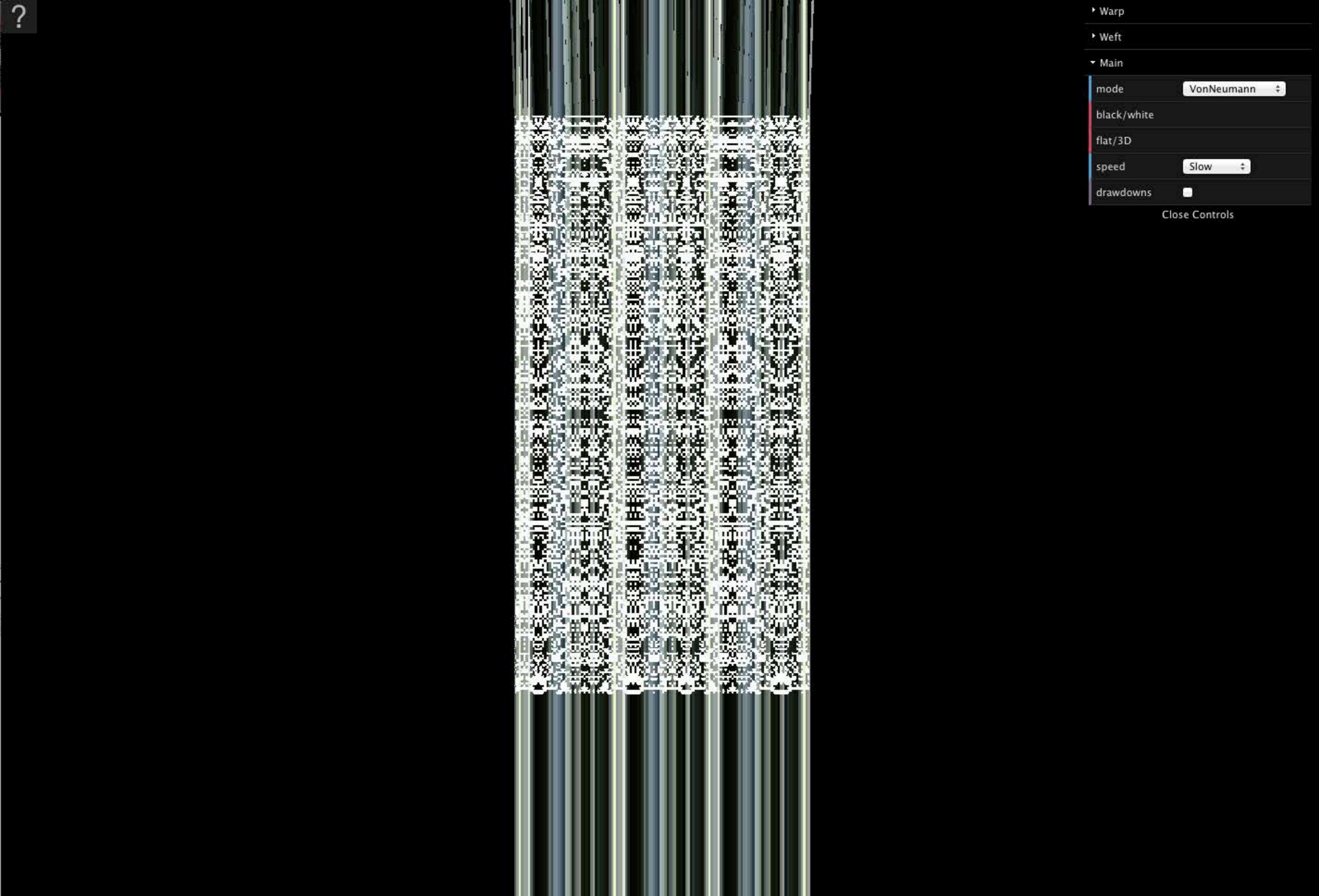












?

Warp

Weft

Main

mode VonNeumann

black/white

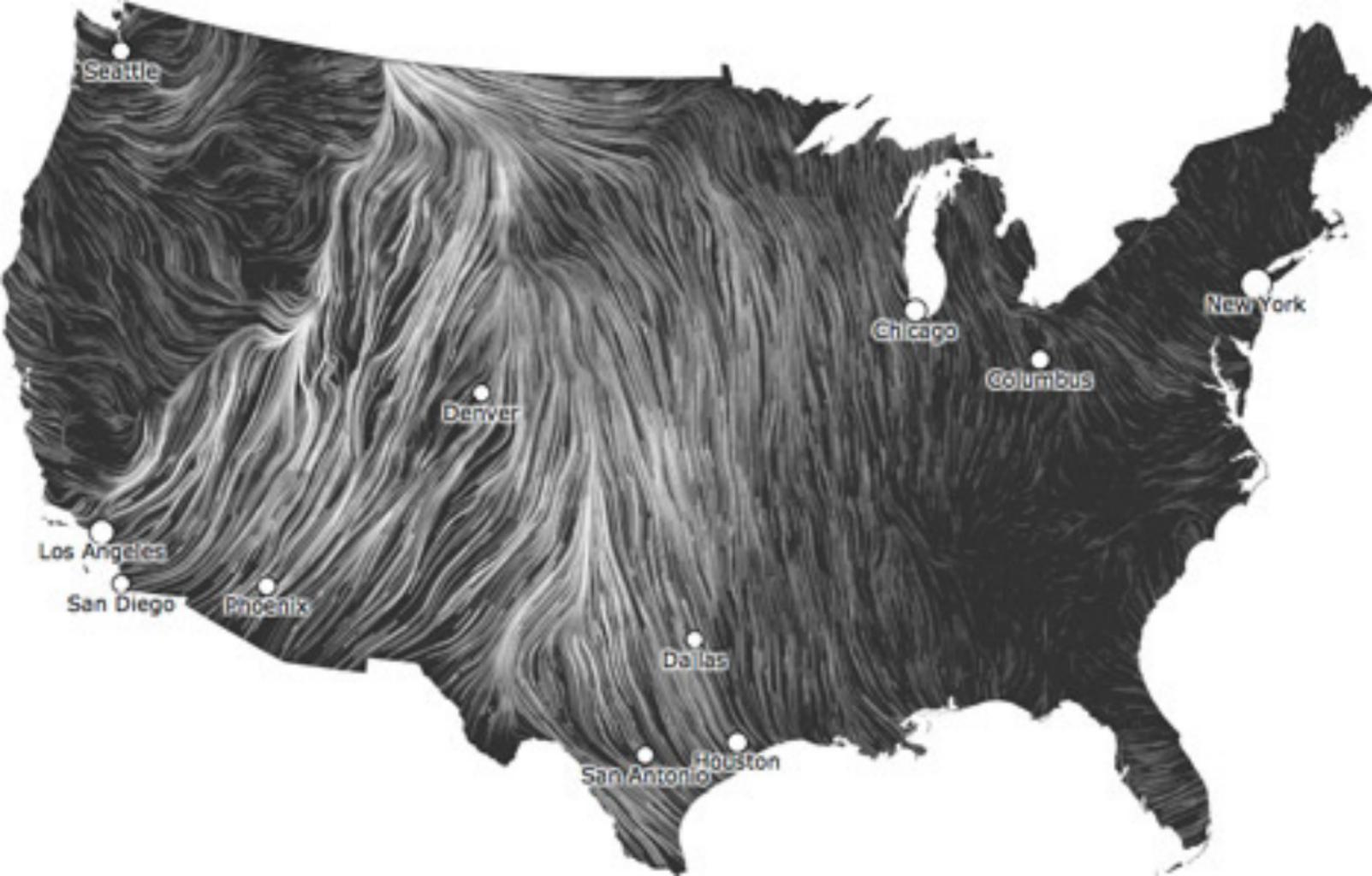
flat/3D

speed Slow

drawdowns

Close Controls





Raleigh

Charlotte

Nashville

Memphis

Oklahoma City

Atlanta

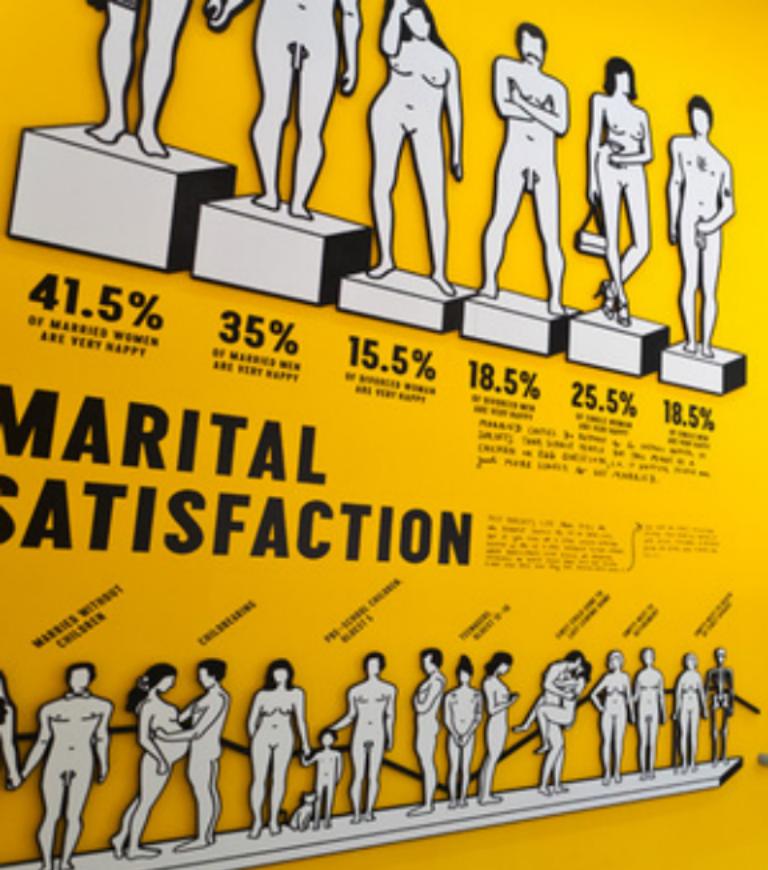
Dallas

Jacksonville

Austin

Houston

San Antonio



**THE HAPPY SHOW**

41.5%  
OF MARRIED WOMEN  
ARE VERY HAPPY

MAR  
SATI

MARRIED WITHOUT  
CHILDREN

1 2 3 4 5 6 7 8 9 10

# HOW HAPPY ARE YOU?

ON A SCALE FROM 1-10? TAKE ONE GUMBALL FROM THE CORRESPONDING MACHINE (ONE PER PERSON, PLEASE!)

If you're happy, take one of a dozen gumballs from the machine that corresponds to your level of happiness. And if you're not the "happiest" kind, don't feel embarrassed. Happiness is subjective, but it's important to be happy. A research team from the University of Michigan found that people who are happy tend to be more optimistic about their future, more positive about their past, and more satisfied with their current life.



DON'T EXPECT



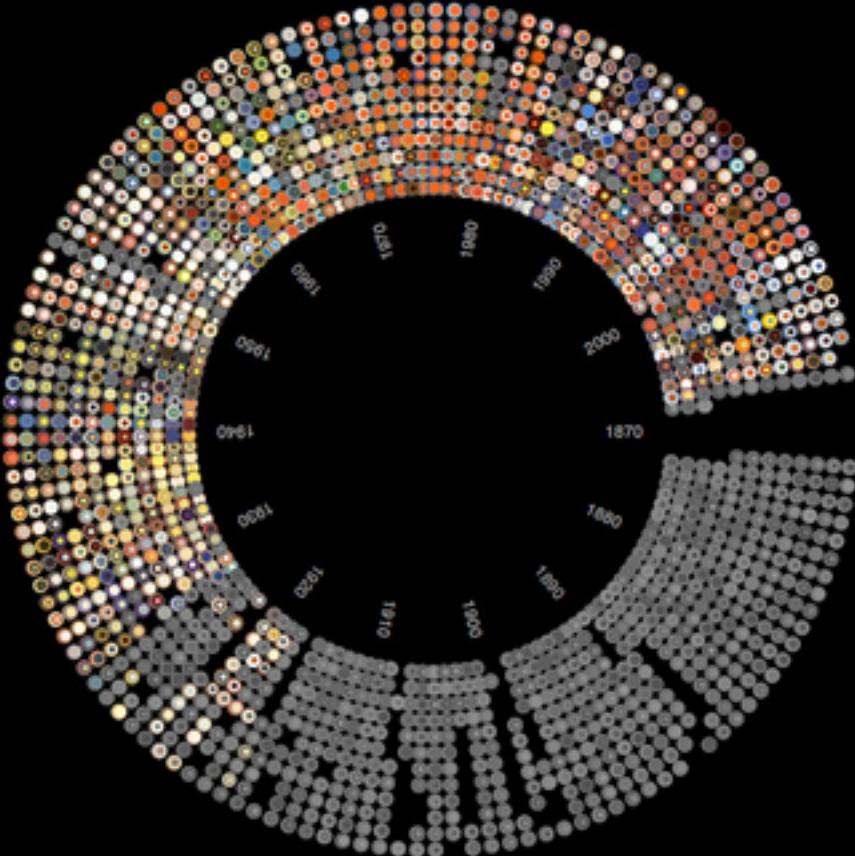
HOPETOCHANGE



UP  
ADRENALIN  
KETALIN  
COCAINE

DOWN  
XANAX  
VALIUM  
PERCOCET





$$\vec{E} + \mu V = \frac{1}{\epsilon_0} \vec{P}$$

$$V = \frac{Q}{4\pi\epsilon_0} \cdot \frac{1}{r^3}$$

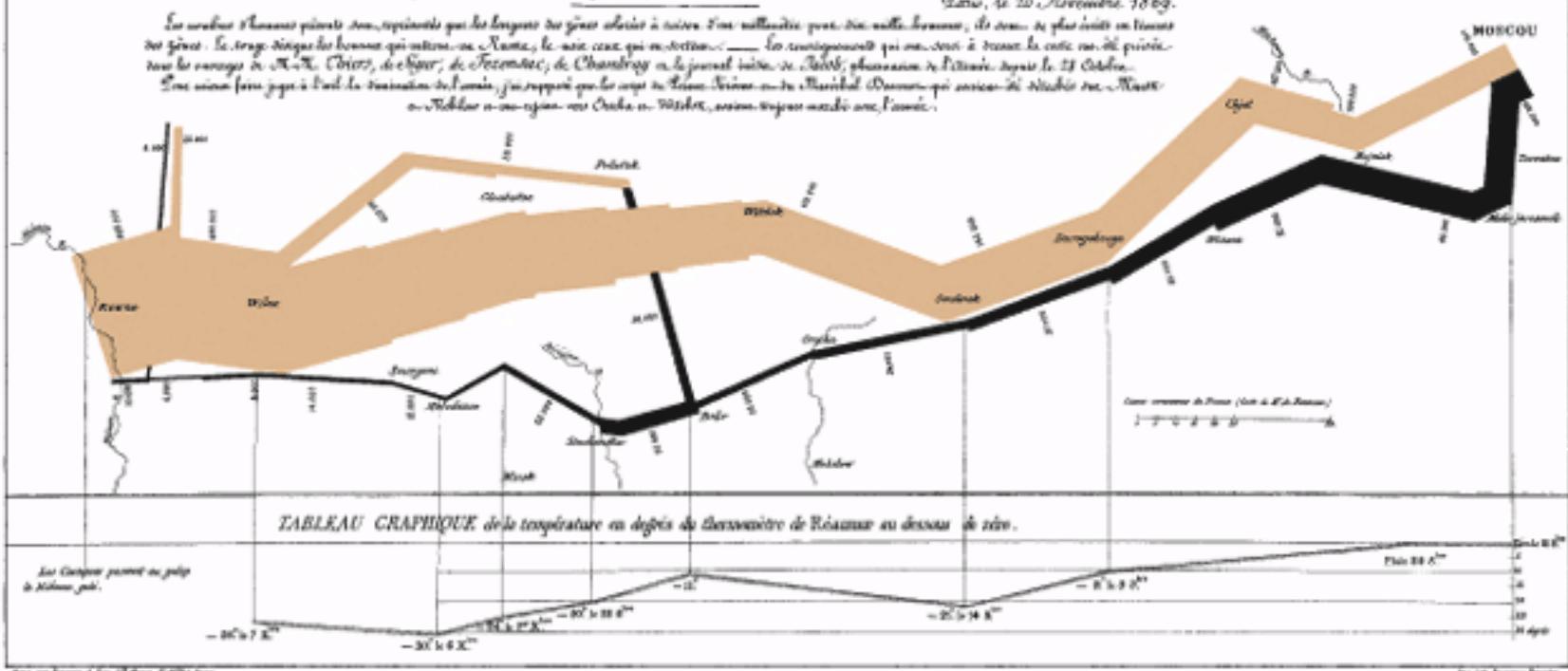


# Losses of the French Army in the Russian Campaign 1812-1813, by Charles Joseph Minard

FRENCH ORIGINAL, 1869

## Carte Figurative des pertes successives en hommes de l'Armée Française dans la Campagne de Russie 1812-1813. Drawn up by C. Minard, Inspector General of Bridges and Roads in retirement.

Les chiffres d'hommes perdus sont représentés par la largeur du gris oblique à faire une millième pour une mille hommes; ils sont au plus étroit en finant des pertes. Le rouge désigne les hommes qui entrent en Russie, le noir ceux qui sortent. — La température qui suit sera trouvée le long de la carte, et il privilie la moyenne de M. M. Törler, de Chabrol, de Chaudron et le journal russe de 1812, photographie de l'armée depuis le 25 octobre. Ces chiffres sont pris à l'air. La variation de l'armée, je suppose que le camp de Léna-Pisica, entre Marshal Davout qui marchait à droite sur Moscou et Noguer qui marchait vers Orléans et Vézelay, comme indiqué sur l'armée.



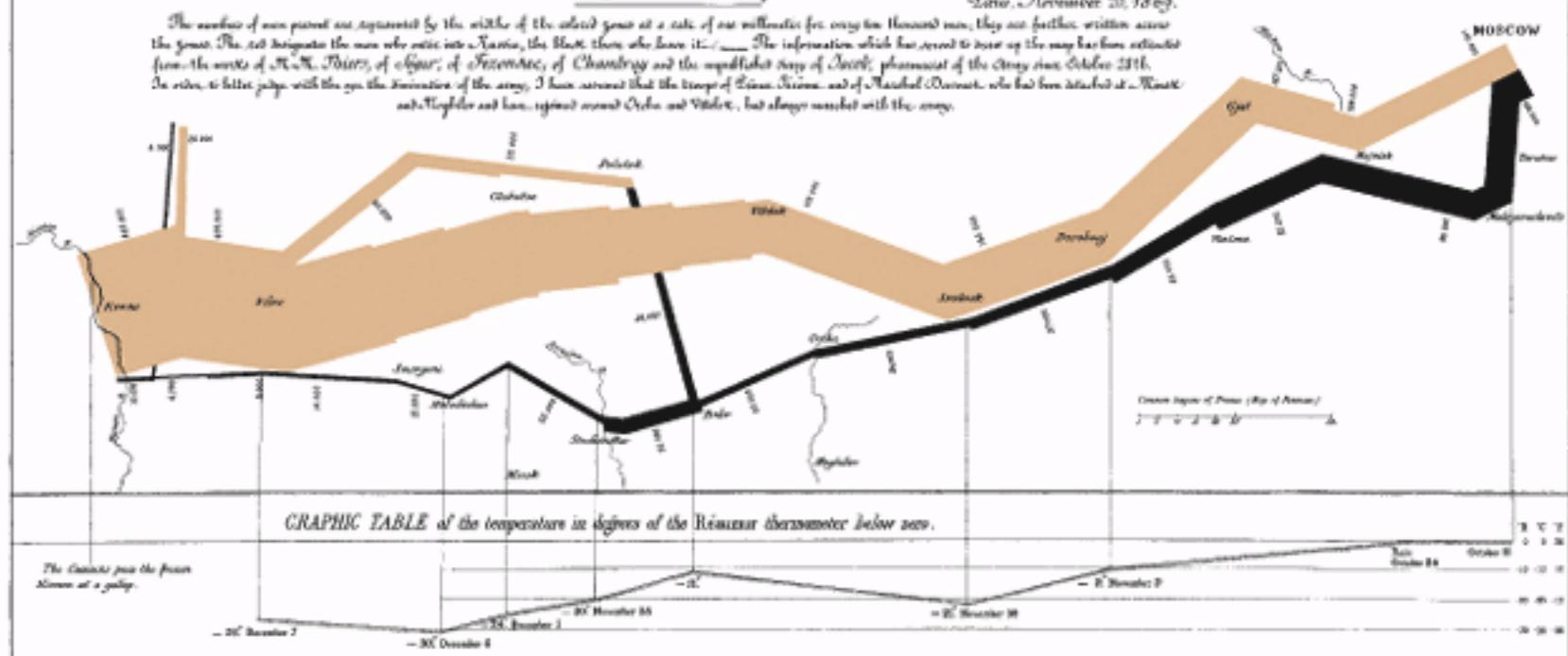
This classic of Charles Joseph Minard (1781-1870), the French engineer, shows the terrible fate of Napoleon's army in Russia. Described by E. J. Marey as seeming to defy the pen of the historian by its brutal eloquence, this combination of data map and time-series, drawn in 1869, portrays the devastating losses suffered in Napoleon's Russian campaign of 1812. Beginning at the left on the Polish-Russian border near the Niemen River, the thick band shows the size of the army (422,000 men) as it invaded Russia in June 1812. The width of the band indicates the size of the army at each place on the map. In September, the army reached Moscow, which was by then sacked and deserted, with 100,000 men. The path of Napoleon's retreat from Moscow is depicted by the darker, lower band, which is linked to a temperature scale and dates at the bottom of the chart.

It was a bitterly cold winter, and many froze on the march out of Russia. As the graphic shows, the crossing of the Berezina River was a disaster, and the army finally struggled back into Poland with only 10,000 men remaining. Also shown are the movements of auxiliary troops, as they sought to protect the rear and the flank of the advancing army. Minard's graphic tells a rich, coherent story with its multivariate data, far more enlightening than just a single number bouncing along over time. Six variables are plotted: the size of the army, its location on a two-dimensional surface, direction of the army's movement, and temperature on various dates during the retreat from Moscow. Minard does not mention Napoleon; the point of the graphic is to memorialize the death of the soldiers. It may well be the best statistical graphic ever drawn.

ENGLISH TRANSLATION, 2003

## Figurative Map of the successive Losses in men of the French Army in the Russian campaign 1812-1813. Drawn up by C. Minard, Inspector General of Bridges and Roads in retirement.

The numbers of men passed are represented by the width of the shaded grey at a rate of one millimeter for every ten thousand men; they are further written across the front. The red designates the men who enter into Russia, the black those who leave it. — The information which has served to draw up the map has been collected from the works of M. M. Törler, of Chabrol, of Chaudron and the unpublished copy of Soult, photograph of the Army since October 25th. On either side, to better judge with the eye, the dimension of the army. I have assumed that the corps of Léna-Pisica, and of Marshal Davout, who had been detached at Moscow, and Noguer had been, against recent Orléans and Vézelay, but always marched with the army.



Virginia Tufte

ARTFUL SENTENCES:  
*Syntax as Style*



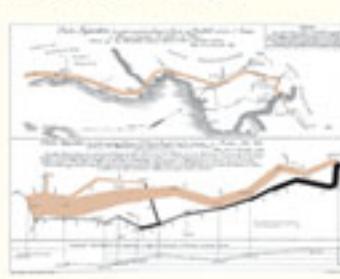
The syntactic means are relatively simple and few  
but the stylistic effects are countless.

Virginia Tufte

By sorting through immense stockpiles of text and images, computers can quickly assemble and display one-time confections designed to serve immediate, local, unique purposes. For example, below is my interface for guiding museum-goers to exhibits and facilities. Right from the start, this opening panel shows the scope of information made available. Only a small part of the screen is devoted to computer administration (this is a touch screen, these are the language options). Free of icons, decorative logotypes, and navigation apparatus, about 90% of the image is *substance*, a contextual overview describing the reservoir of data. In an architecture of content, the *information becomes the interface*. Rather than sequentially stacking up little bits of data to be unveiled gradually, this *flat interface* surfaces 45 options at once, distributing the information in space rather than in time. Museum-goers then touch the item that they wish to learn about (here, the location of Flemish paintings) and the next confection appears. Shown are a three-dimensional guide-map,

Touch any item for more information.

English
Espanol
Deutsch
Français
Italiano
中文
日本語

INFORMATION	FACILITIES	PERMANENT WORKS	SPECIAL EXHIBITIONS, NOVEMBER 2004
art information	cascade espresso bar	American Painting	
bookstores	checkroom	British Painting	
calendar	concourse buffet	Dutch Painting	
copyrights	elevators	European Sculpture and Decorative Arts, 14th–19th century	
film programs	facility for disabled	Flemish Painting	
gallery talks	first aid	French Painting and Sculpture	
guides	garden cafe	German Painting	
hours	lost and found	Information Design	
photography	restrooms	Italian Painting and Sculpture	
security	stairways	Netherlandish Painting	
slide lectures	telephones	Spanish Painting	
special programs	terrace cafe	Twentieth-century Painting and Sculpture	
Sunday concerts			
tours			
wheelchairs/strollers			

# THE HISTORIC *Salyut 6* CYCLOGRAM: INFORMATION DESIGN IN OUTER SPACE

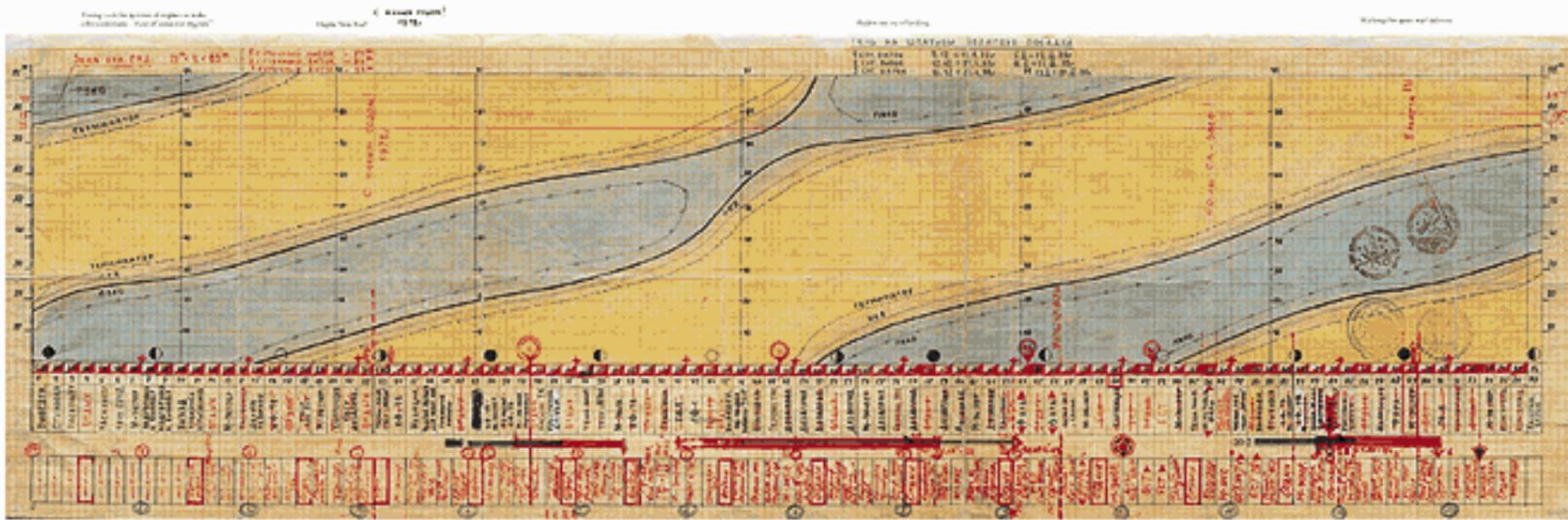


Figure 10.10: Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.11:** Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.12:** Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.13:** Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.14:** Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.15:** Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.16:** Salyut 6 Cyclogram.

Source: NASA, *Space Shuttle: The First Five Years*, 1988.

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**Figure 10.17:** Salyut 6 Cyclogram.

Figure 10.10 is a cyclogram, a circular diagram used to represent the orbit of a satellite around Earth. It consists of concentric circles representing different orbital altitudes. The innermost circle is the Earth's surface, and the outermost circle is the orbital path of the satellite. The diagram shows the path of the Salyut 6 space station as it orbits Earth. The path is represented by a series of points connected by a line, forming a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

Figure 10.11 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

Figure 10.12 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

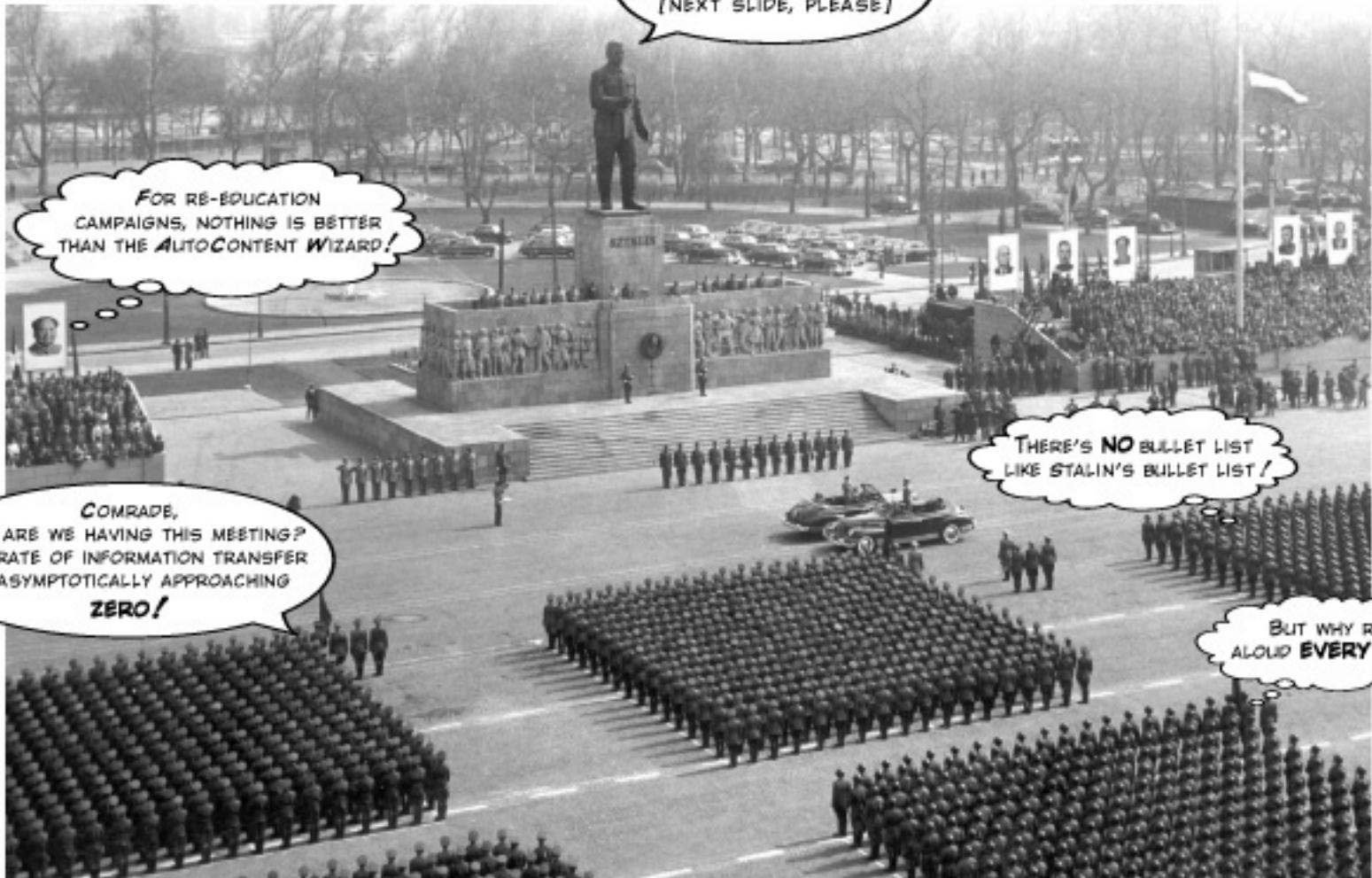
Figure 10.13 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

Figure 10.14 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

Figure 10.15 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

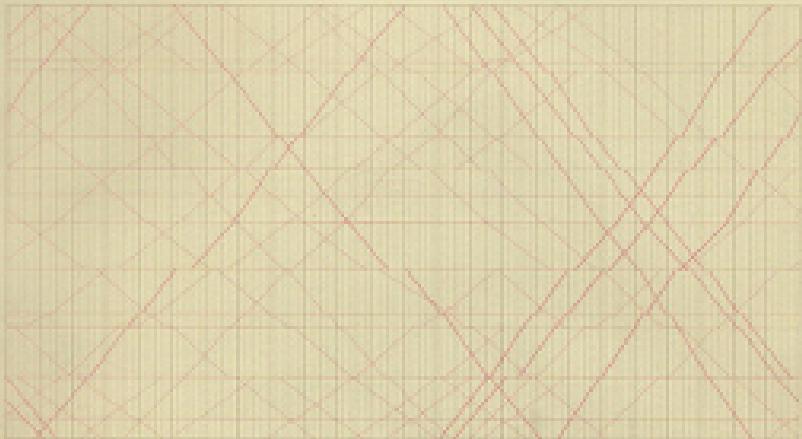
Figure 10.16 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.

Figure 10.17 is a cyclogram showing the orbital path of the Salyut 6 space station. The diagram shows the path of the station as it orbits Earth, represented by a series of points connected by a line. The path is a spiral-like shape that loops back towards the center. The points represent the position of the station at regular intervals of time. The diagram also includes labels for the International Date Line and the Sun and Moon.



© Edward Tufte

Edward Tufte, *The Cognitive Style of PowerPoint*



# The Visual Display of Quantitative Information

EDWARD R. TUFTE

# TUFTS

## The Issues

THERE IS  
NO INFO OVERLOAD!

CLUTTER IS BAD DESIGN NOT TOO MUCH INFO.

ENGLISH trans.  
EUCLIDE

HIGH DIMENSIONAL DATA  
EXPRESSION OF  
3-D INFO  
4-D

DATA DENSITY  
INFORMATION RESOLUTION  
BITS + AREA + TIME

LOW DIMENSIONAL MEDIA

2-D MEDIA



HOW DO WE  
ESCAPE  
OF FLATLAND

BRUTE FORCE  
MODELING



MAKING

SHORTENS TIME  
IN DECODING INFO. DIFFERENCE  
ENCODING INFORMATION

## THOUGHTFUL DESIGN

## UNIVERSAL PRINCIPLES

ROOTED IN FUNDAMENTAL  
TASKS OF COGNITION

SIZE OF ARMY  
LONGITUDE  
LATITUDE  
DIRECTION  
TEMPERATURE  
DATA

YIELDS  
RESPONSIBILITY  
THROUGH TRADITION

SMALLEST  
EFFECTIVE  
PERCEPTIBLE  
CHANGER

SMALLEST  
DATASET

USE SMALL  
MULTIPLES

EASY ON  
VIEWERS

SUBSPOTS



EXECUTED  
AS STATEMENT  
AGAINST WAR

INFORMATION  
IS STACKED  
IN  
SPACE

CONTENT IS KING

• SUBSTANCE  
• QUALITY  
• PURPOSE  
• INTEGRITY

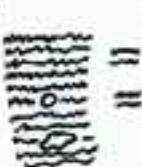
CLARITY  
DO NO  
HARM TO  
CONTENT!

## MAGIC

CORRUPTION, CONCEAL-  
MENT, REVEALMENT  
OF  
OPTICAL INFORMATION

- RETARD UNDERSTANDING
- AVOID REPETITION
- NEVER TELL'M WHAT  
YOU'RE GONNA DO  
OR WHY!
- SMALL, BUT EFFECTIVE

COMPLETE  
INTEGRATION  
OF WORD AND  
IMAGE



"THE WONDERFUL  
BECOMES FAMILIAR,  
AND THE FAMILIAR BECOMES  
WONDERFUL!"

GALILEO

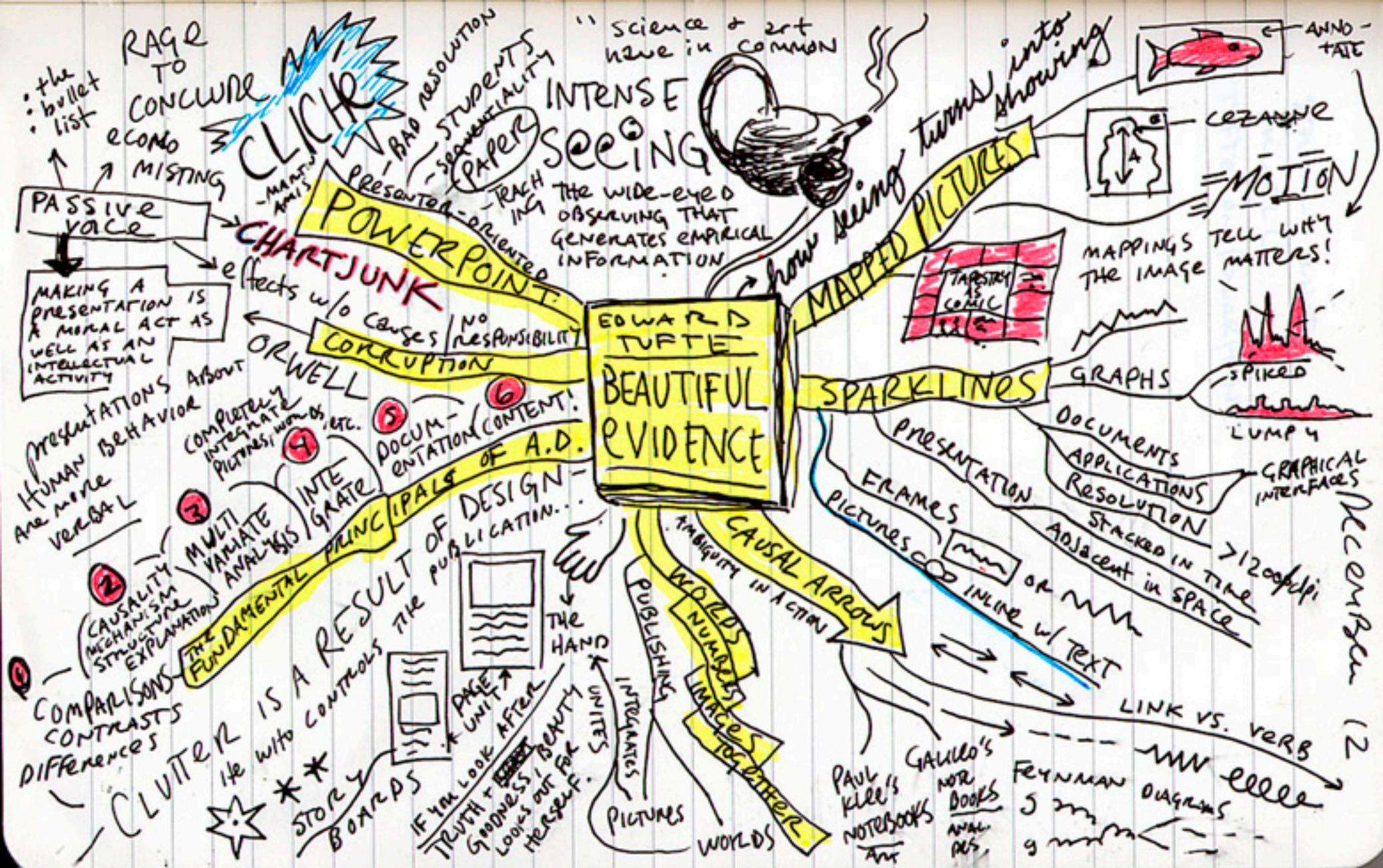
## METAPRINCIPLE

THE DISPLAY ASSISTS THINKING!  
Q: "WHAT IS THE INTELLECTUAL TASK?"



COGNITIVE ART

(SEE ENVISIONING INFORMATION pg. 18, 120)



## MEASURING VOLATILITY

Daily changes in the **Dow Jones Industrial average**



The dark lines show the **daily fluctuations** in the index.

The color shows how the index performed in a **year**.



DAILY CHANGE

+10%

+5

-5

1907  
bank panic

1929  
crash

President Dwight D.  
Eisenhower has a heart attack

Inflation rises; bond prices  
become more volatile

Black  
Monday

Russia  
defaults

Sept. 11,  
2001

-10

1900s

1910s

1920s

1930s

1940s

1950s

1960s

1970s

1980s

1990s

2000s

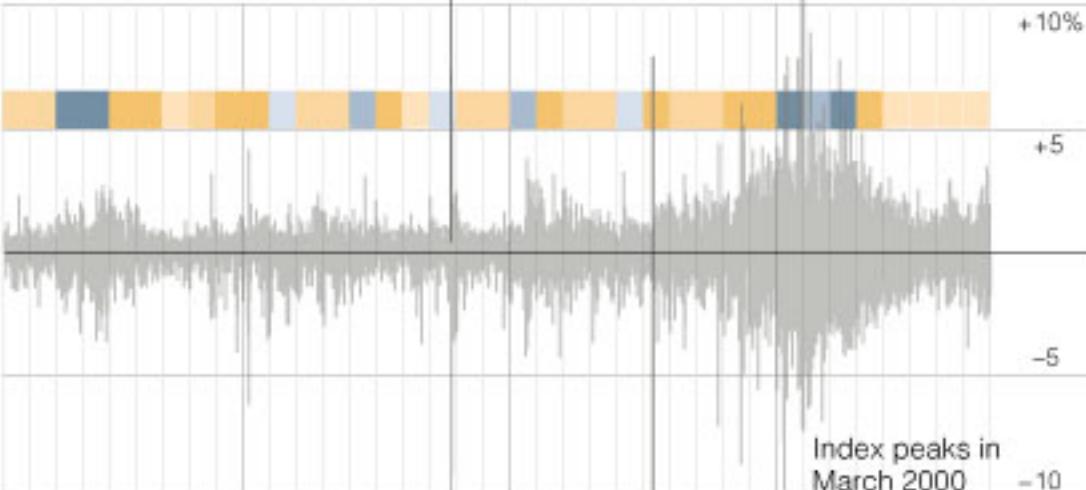
+10%

Market reopens  
after closing during  
part of World War I

Overall volatility — and economic uncertainty —  
peak during the Great Depression

### Nasdaq composite

In its early years, the Nasdaq was often used as a proxy for the movement of smaller stocks. But it became dominated by technology stocks, and its volatility accelerated in the late 1990s.



+5

-5

Index peaks in  
March 2000

-10

# The Pulse of Uncertainty

There is no question that volatility on Wall Street increased last year, and many analysts expect the rockiness to continue in 2008.

But 2007 may have seemed especially tumultuous only because the years before it were remarkably calm.

There was only one day from 2004 to 2006 when the Dow Jones industrial average moved up or down by more than 2 percent. Last year, amid concerns about the subprime mortgage sector and credit markets in general, swings that large occurred 14 times.

Historically, though, 14 times is not exceptional: that total ranks about average over the last 10 years and slightly less than that over the last 20. The Standard & Poor's

volatility index, or VIX, which measures expectations of future volatility based on the prices of options, also ended the year near its 10-year average.

Taken another way, if the Dow's daily changes — the dark lines in the chart — were stacked end to end, they would stretch about 110 percentage points from July to December of last year. That compares with nearly 200 percentage points in the second half of 2002, when the market was shaken by corporate scandals.

In 2007, some of the most volatile stocks in the S&P 500 were **E\*Trade Financial**, **Countrywide Financial** and **MBIA**, a company that specializes in guaranteeing the financial health of others.

Among stocks that gained value, **MEMC**

**Electronic Materials**, whose silicon wafers are used by semiconductor and solar cell producers, and **Amazon.com** had the most drastic swings.

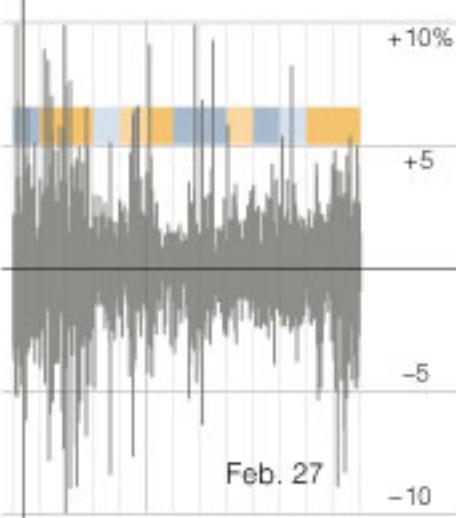
"Internationally and domestically, there are things that are a little unsettling," said G. William Schwert, a finance professor at the University of Rochester. "But in the scope of things, it's not that unusual."

Mr. Schwert has studied why volatility changes over time. His answers include bank panics, wars and recessions.

AMANDA COX

### Shanghai composite

Last February, an investing scare in China sent markets tumbling around the world. But it was only a temporary setback — one of several last year. Shares in Shanghai fell by at least 1.5 percent once a week, on average, but they still ended the year up nearly 100 percent.



+10%

+5

-5

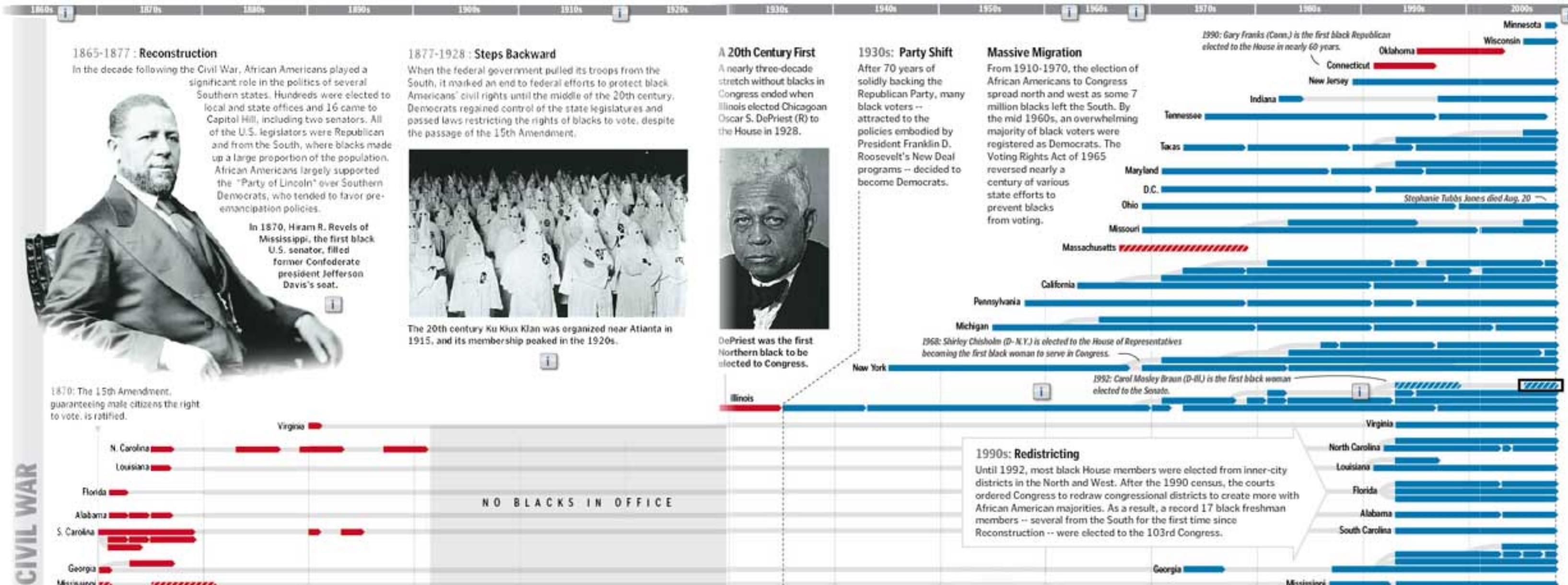
Feb. 27

-10

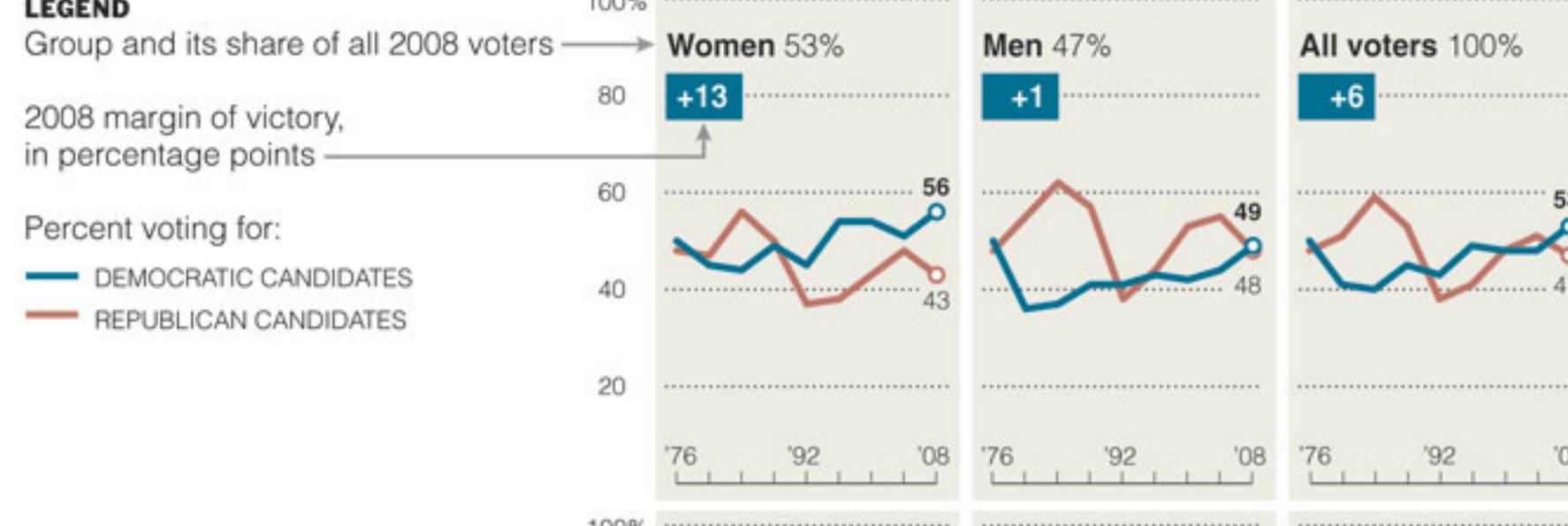
Source: Bloomberg

THE NEW YORK TIMES

# CIVIL WAR

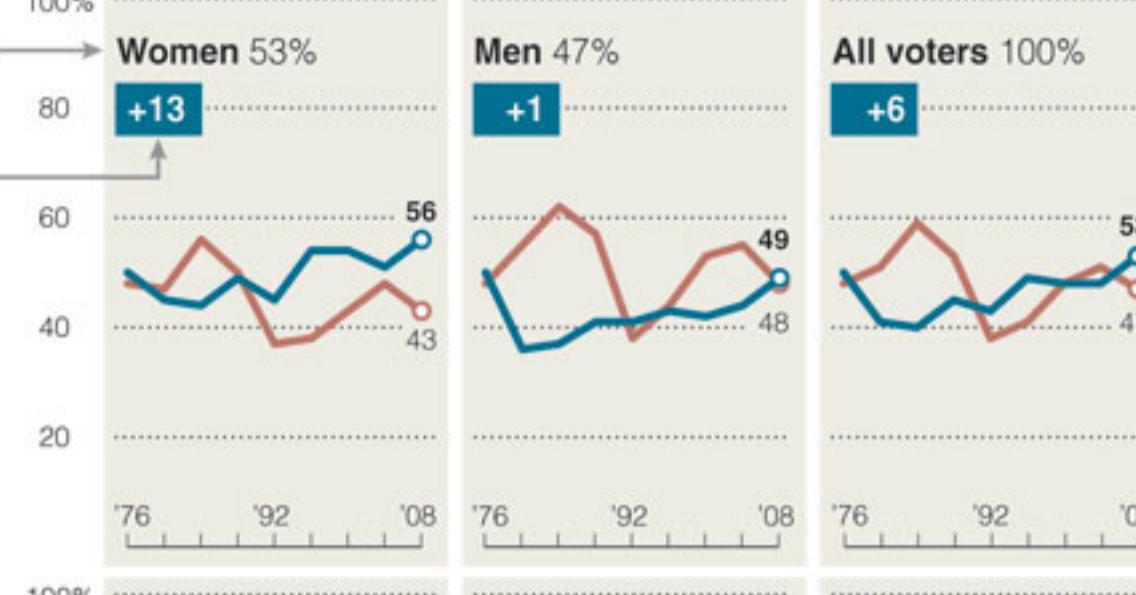


## Groups Obama Won



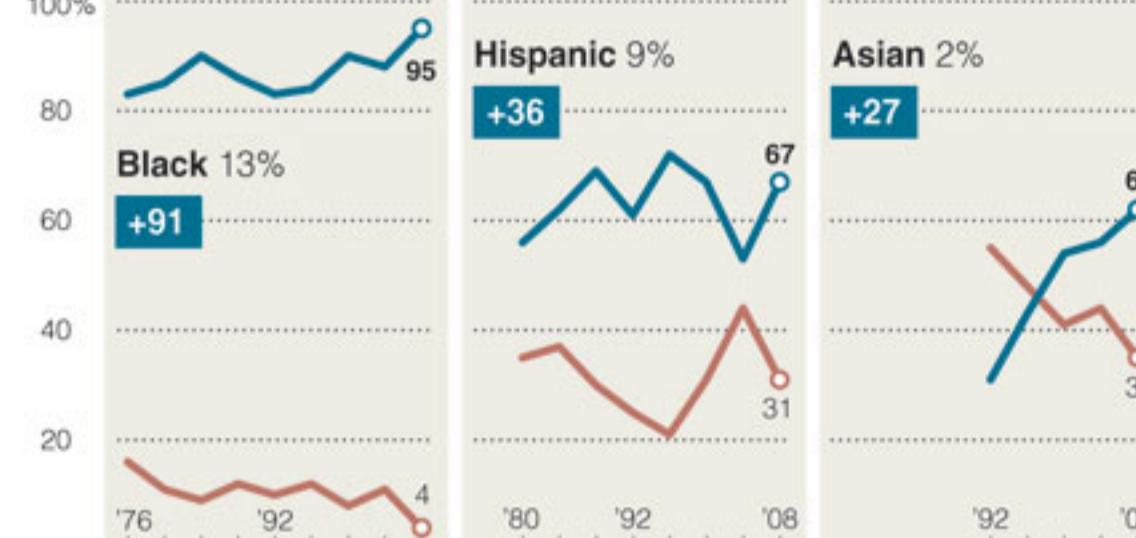
### Age

Voters age 60 and older were the only group to give John McCain a majority of their votes.



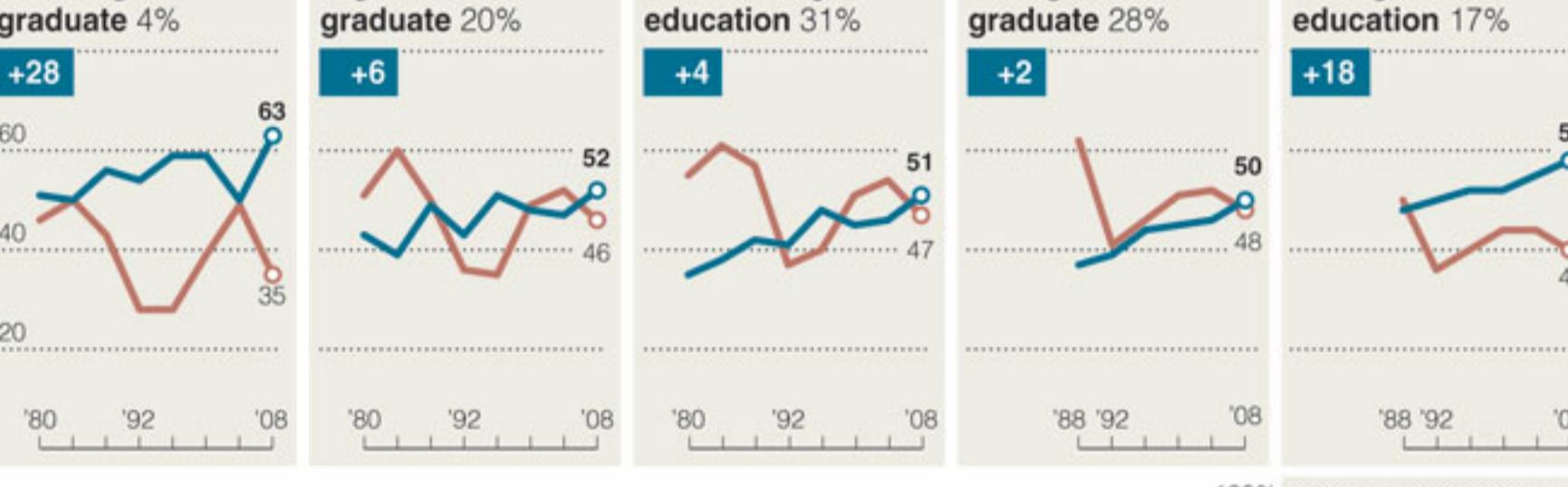
### Race

Black, Hispanic and Asian voters all supported Barack Obama. White voters backed Mr. McCain, though white voters under age 30 sided with Mr. Obama.



### Family Status

Unmarried women were 12 percentage points more likely to vote for Mr. Obama than unmarried men. Mothers of young children were 9 points more likely to vote for Obama than fathers.

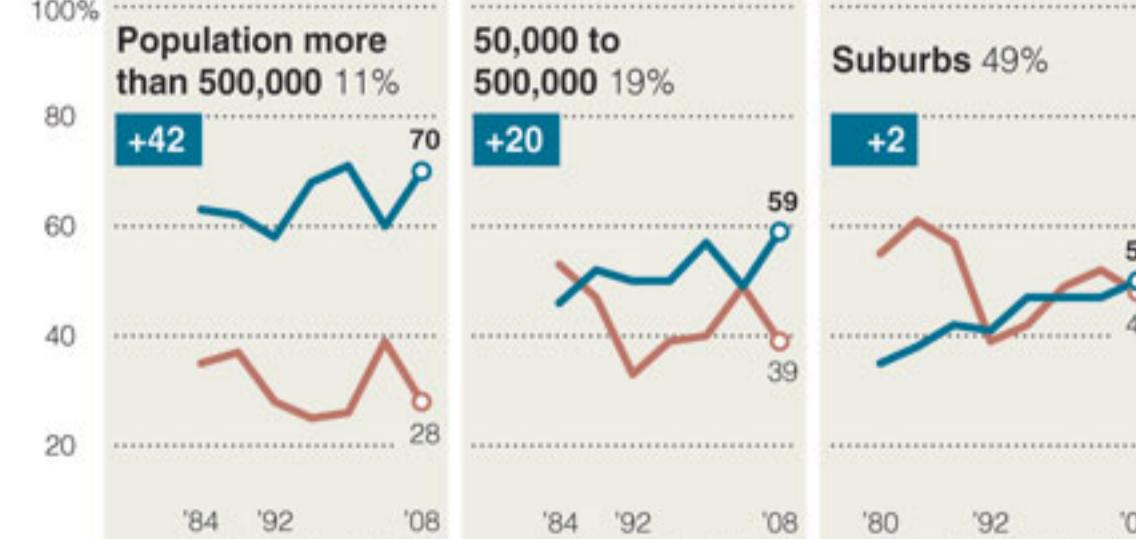


### Financial Situation

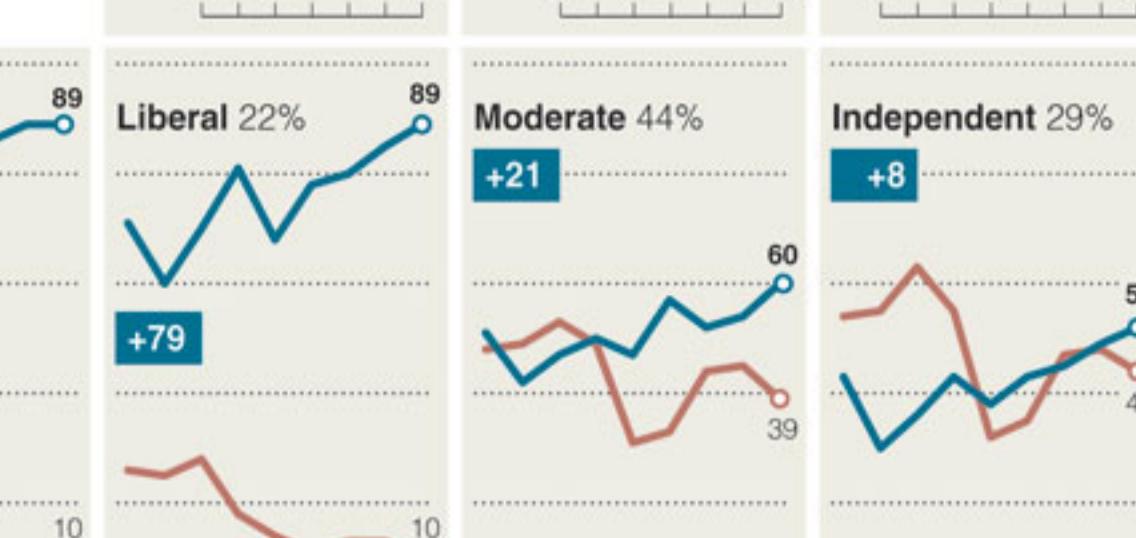
Voters whose finances have improved during a president's tenure usually favor the incumbent; the challenger generally is preferred by voters who say their financial situation deteriorated. That held true this year.



### Size of Locality

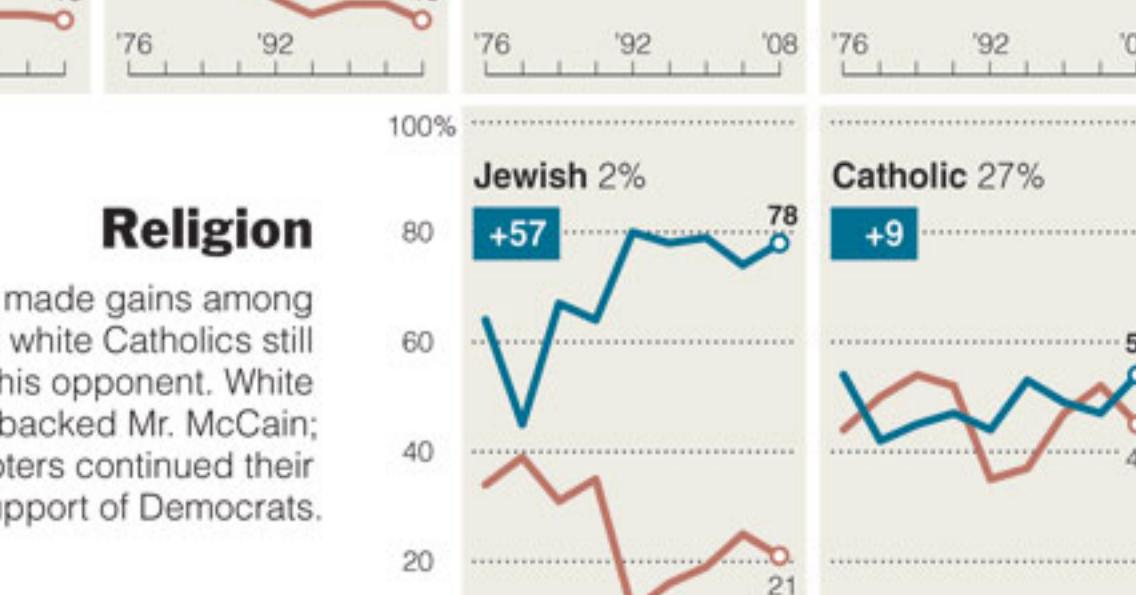


### Politics

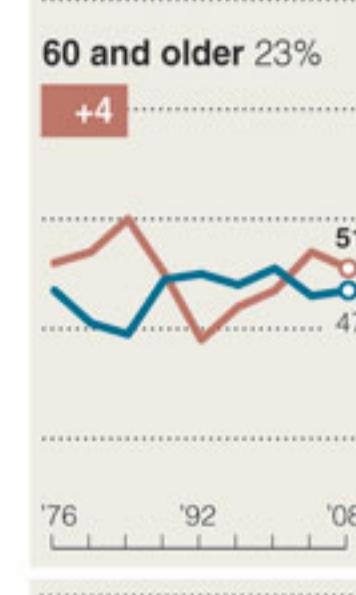


### Religion

Mr. Obama made gains among Catholics, but white Catholics still favored his opponent. White Protestants backed Mr. McCain; Jewish voters continued their support of Democrats.



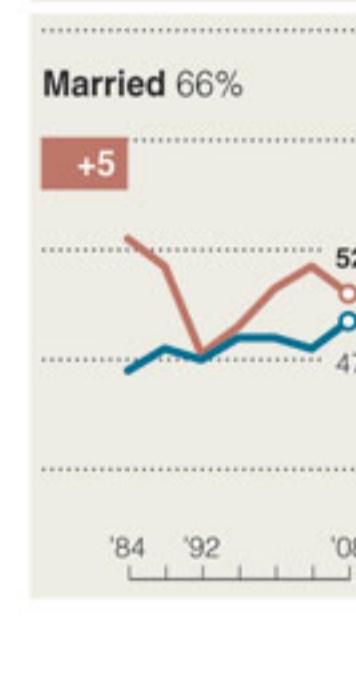
## Groups McCain Won



Mr. McCain won a majority of voters age 60 and older, thanks to strong support in the South from this group. Elsewhere in the country, a majority of voters 60 and older broke for Mr. Obama.

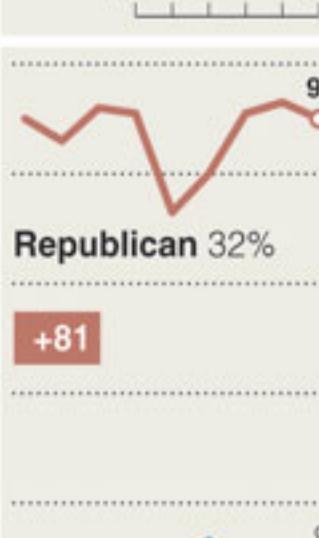
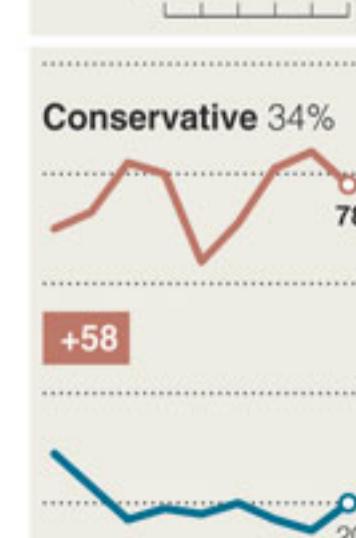
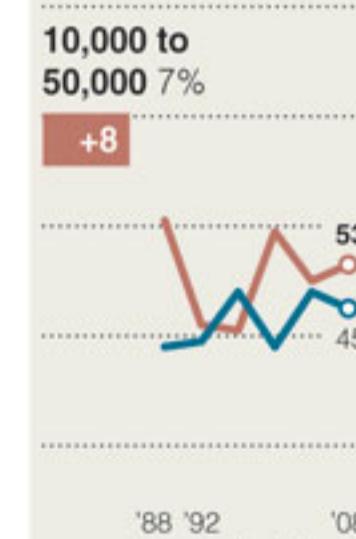


White men and women voted for Mr. McCain, as well as most whites living in the Midwest and the South.



### Education

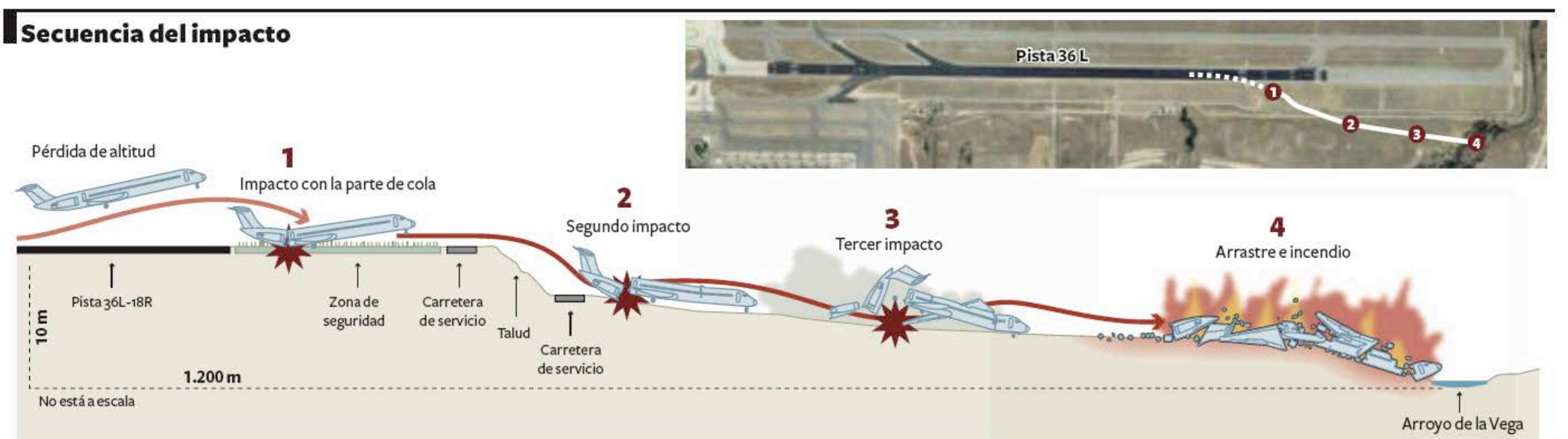
Whites without a college degree were 7 points more likely to vote for Mr. McCain than whites with a college degree. Women with college degrees were 9 points more likely to vote for Mr. Obama than men with college degrees.



Data for 2008 was collected by Edison Media Research/Mitofsky International for the National Election Pool, a consortium of ABC News, The Associated Press, CBS News, CNN, Fox News and NBC News. In 2004, the exit poll was conducted by Edison/Mitofsky; in 1996 and 2000 by Voter News Service; in 1992 by Voter Research and Surveys; and in earlier years by The New York Times and CBS News.

Direct comparisons from year-to-year should factor in differences in how the questions were asked. Race and sex were interviewer coded in 1976 and 1980. Hispanic American was on a item on a checklist in 1980. Independent or third party candidates are not shown.

Figures for more categories of voters are online at [www.nytimes.com/weekinreview](http://www.nytimes.com/weekinreview).



# Keeping Tabs on the \$700 Billion Bailout

The Treasury Department's \$700 billion buttress to the financial system was expected to enable banks to make more loans to companies and consumers.

But the Treasury has indicated that the 52 banks already funded by the program have mostly used their investments — \$161.5 billion so far — to bolster their balance sheets at a time when options for raising capital are slim. And analysts expect that the more than 100 banks that have yet to receive money will be similarly cautious.

Treasury Secretary Henry M. Paulson Jr. has acknowledged that "lending won't materialize

as fast as any of us would like," but has said that loans will begin to flow as confidence returns.

Some analysts agree. "In a few quarters, banks should be comfortable enough to begin to put that new capital to work," said Mark Fitzgibbon, a banking analyst at Sandler O'Neill & Partners.

But regulators will have to keep a watchful eye on banks, say officials in the Government Accountability Office. In a report released on Thursday, the office urged the Treasury to increase its oversight of the program, as banks are not currently required to report on their use of government dollars.

## APPROVED BY CONGRESS

**\$350 billion**

Money allocated	Pending	A.I.G.	Other committed	Uncommitted
<b>\$161.5</b>	<b>\$108.5</b>	<b>\$40</b>	<b>\$25</b>	<b>\$365</b>

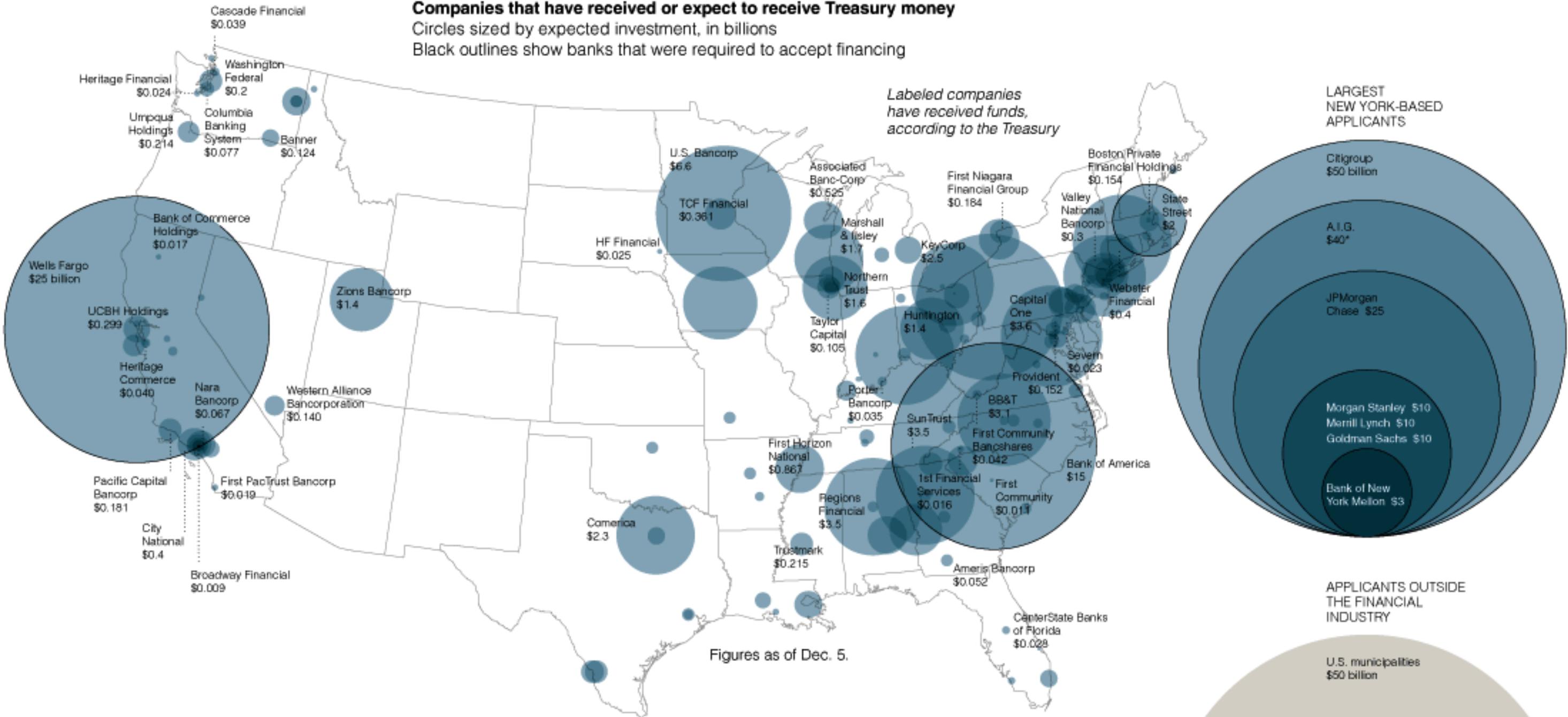
Amounts in bold are shown on map below

## NOT YET APPROVED

**\$350 billion**

Uncommitted
<b>\$365</b>

Includes \$15 billion that has been approved by Congress



## The Biggest Nine

On Oct. 14, the Treasury required nine financial firms to accept a total of \$125 billion. This kicked off the first half of the Treasury's \$250 billion recapitalization program. The government also chose to invest \$40 billion in the insurance giant A.I.G. in early November.

## The Bank Tally

More than 160 banks have voluntarily applied for the program's remaining money. A third to a half have received money. But some applicants, like HopFed Bancorp in Kentucky, are weighing the drawbacks of participation, like limits on dividend payments, stock buyback programs and executive compensation.

## Insurers and Others Jump In

The Treasury has allowed nonbanks to apply for money. Insurers like The Hartford, Protective Life and Lincoln National, as well as the credit card company American Express, have chosen this path, but none have received financing yet.

## Outsiders Wait

Philadelphia, Atlanta and Phoenix asked the Treasury in November to provide \$50 billion to help cities throughout the country. The Treasury has agreed to discuss the plan later this month. G.M., Ford and Chrysler offered plans to Congress last week for \$34 billion in loans.

\*Under other programs, the government has invested \$53 billion in A.I.G. and has provided the company with \$60 billion in loans.

VIENE DE LA PÁGINA ANTERIOR  
varon porque no pudieron tomar el vuelo estaba sobrevolando y se quedaron sin suerte. El vuelo era compartido entre Spanair y la aerolínea alemana Lufthansa, que comían lo que habían vendido a los pasajeros, cuatro de ellos a alemanes. Los pasajeros embarcaron desde la Terminal 2, aunque despegaron de las rutas puestas justo a la Terminal 4.

Pese a la gravedad del accidente, Spanair no aclaró demasiado en la conferencia de prensa que convocó a media tarde. Compareció el director comercial de la compañía, Sergio Allard, para mostrar "su apoyo a familares y aeronáuticos". "Hasta que no tenemos la información a los familiares, no podemos comunicar nada sobre el accidente", añadió el director de Spanair. Así, cuatro horas después del accidente, la aerolínea apenas aportó algún dato so-

bre el siniestro o el estado de las víctimas. Las preguntas encontraron respuestas vagas: "No disponemos de esa información" o "no podemos especificar". La comparecencia no aclaró qué pasó antes del despegue ni siquiera si el avión salió con retrasos.

**El querido causó un incendio que destrozó el fuselaje, que cayó a un río**

Muchos cadáveres estaban carbonizados y mutilados

atendió una maquinista que nos preguntaba si queríamos hacer una reserva de un vuelo. Tras 16 llamadas a otro número, lo único

que lograron es que tomases nota de nuestro móvil y aún no hemos tenido noticias". Eran las 21.22.

Martín Rechling, expresaba desde Alemania entre gritos y súbita indignación. Poco después Lufthansa criticó que España no diera una lista de pasajeros. Sólo a las 23.00, el Gobierno y Spanair hicieron pública la lista completa de pasajeros, sin precisar quiénes habían fallecido. A esa hora faltaban dos heridos por identificar. La ministra señaló en su segunda rueda de prensa —en la que sí aceptó preguntas— a la aerolínea como responsable: "El comandante decide si viaja o no. Si no viaja, no se revolvió, no se tiró".

Un piloto experimentado explicó que dado que los aviones están preparados para despegar incluso con un solo motor, es probable que éste estallase. Un incendio o una parada en el motor hubiese sido, en principio, menos grave,

añadió otro. La ministra de Transportes, Magdalena Álvarez, compareció en Barajas por la tarde para allí no admitir preguntas y castigar lo ocurrido: "Tuvimos un accidente trágico". Entonces Lufthansa criticó que España no diera una lista de pasajeros. Sólo a las 23.00, el Gobierno y Spanair hicieron pública la lista completa de pasajeros, sin precisar quiénes habían fallecido. A esa hora faltaban dos heridos por identificar. La ministra señaló en su segunda rueda de prensa —en la que sí aceptó preguntas— a la aerolínea como responsable: "El comandante decide si viaja o no. Si no viaja, no se revolvió, no se tiró".

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## Accidente aéreo en el aeropuerto de Madrid-Barajas

1 La salida del vuelo JK5022, entre Madrid y Gran Canaria, está prevista para las 13.20. En el trayecto hacia la pista de despegue el piloto advierte que algo va mal y tiene que abortar la operación.

2 El aparato se dirige a una zona habilitada donde es revisado por los servicios de mantenimiento técnico. Dos horas después, el avión vuelve de nuevo la pista 36L-18R de Barajas.

3 A las 14.38, el MD-82 de Spanair inicia la carrera de despegue.

4 Cuando ha ascendido sólo unos metros se produce un fuego en el motor derecho.

## Catástrofe aérea en Madrid

pero al llevar los MD los motores en la cola, el estallido de uno de ellos desestabilizó de modo drástico el aparato. El despegue es el momento más crítico para un vuelo, cuando el avión va cargado de combustible. La investigación oficial tardará meses.

Spanair tenía previsto sustituir los MD, aunque no aclaró si el siniestrado estaba en ese plan. Los aerolíneas están remplazando estos aviones por otros, como los Boeing 737, que no son tan inseguros. Puesto que la aerolínea aseguraba que había firmado un acuerdo para llevar a Madrid desde Málaga — sede de la empresa— a la cúpula de la compañía. El avión pasó la revisión anual el 24 de enero por personal de la compañía y desde entonces no ha registrado incidentes. Tres años de antigüedad y llevaba nueve años volando para Spanair. Según Fomento, tenía todos los permisos en regla.

Fuentes del Servicio de Pilotos señalaron que el comandante del avión, Luis Lluna Gil, "era veterano" y con ocho años de experiencia con este modelo, muy usado por las compañías aéreas. El aeropuerto permaneció cerrado durante casi dos horas, el tiempo necesario para los helicópteros apaguen el incendio. Los pasajeros afectados por las alteraciones derivadas del accidente aéreo se contaron por miles. Fuentes de AENA (la empresa pública que gestiona los aeropuertos) en Barajas no podían concretar el número de vuelos afectados por cancelación y retraso, ni sus destinos, dado el caos general que reinó en el aeropuerto. A las 19.00 horas habían llegado 842 de los 1.258 vuelos de llegada y salida programados. En la noche de control los controladores se agotaron con las operaciones aéreas, en silencio.

Poco antes de las 20.00, los equipos de rescate levantaron lo que quedaba del fuselaje del avión. "Han salido a flote varios cadáveres que había dejado", zarajó una fumata desde el lugar del siniestro. "Faltan 20 cadáveres por localizar". El jefe de guardia de Madrid, Javier Pérez, ordenó que se suspendieran las labores de recuperación de sobrevivientes de la Guardia Civil para rastrear el río y tratar de localizar a las víctimas. Fuentes judiciales explicaron ayer que algunos indicios apuntan a que ha pedido haber

"un error humano". Parece que el avión devolvió cuando estaba en la cola para despegar porque se detectó un fallo mecánico que parece haber sido en un motor. Y tras ser revisado, fue autorizado

El aeropuerto cerró dos horas mientras los helicópteros apagaban las llamas

Varios cadáveres salieron a flote tras extraerse del río parte del fuselaje

su despegue", añaden. "Aún no es una información oficial, pero habrá que investigar si eso fue así, ya que revisó ese fallo y quiso autorizar el despegue de la nave. Habrá que esperar a analizar la caja negra del avión, que ya está en poder del juez", añadieron estas fuentes.

Hasta el recinto ferial de Madrid, revisó los días trágicos del 11-M. Como tras la matanza de Atocha, fue utilizado como tanatorio. Los cadáveres —enseres irreconocibles, carbonizados, mortillados— fueron trasladados al pabellón en las competiciones que disputó hoy. A las 12.00 han convocado un minuto de silencio en la Plaza de Cibeles de Madrid, ciudad que decretó tres días de luto oficial.

El decanato de los juzgados de Madrid, que dirige el juez José Luis González Armenta, movilizó a una veintena de jueces y fiscales para que se trasladaran a Ifema e iniciaran la identificación de los cadáveres.

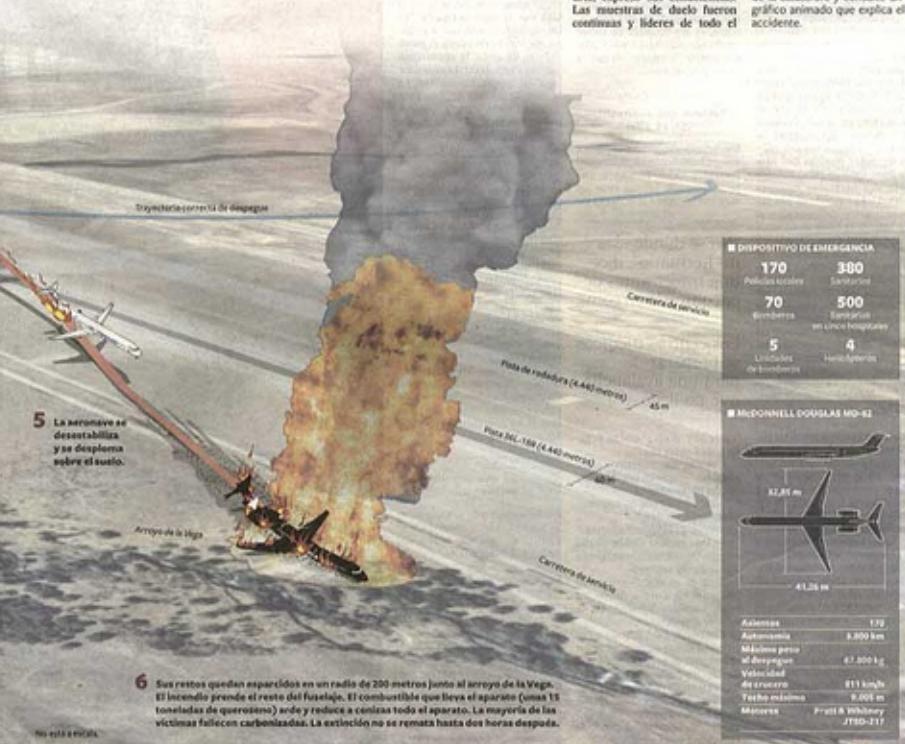
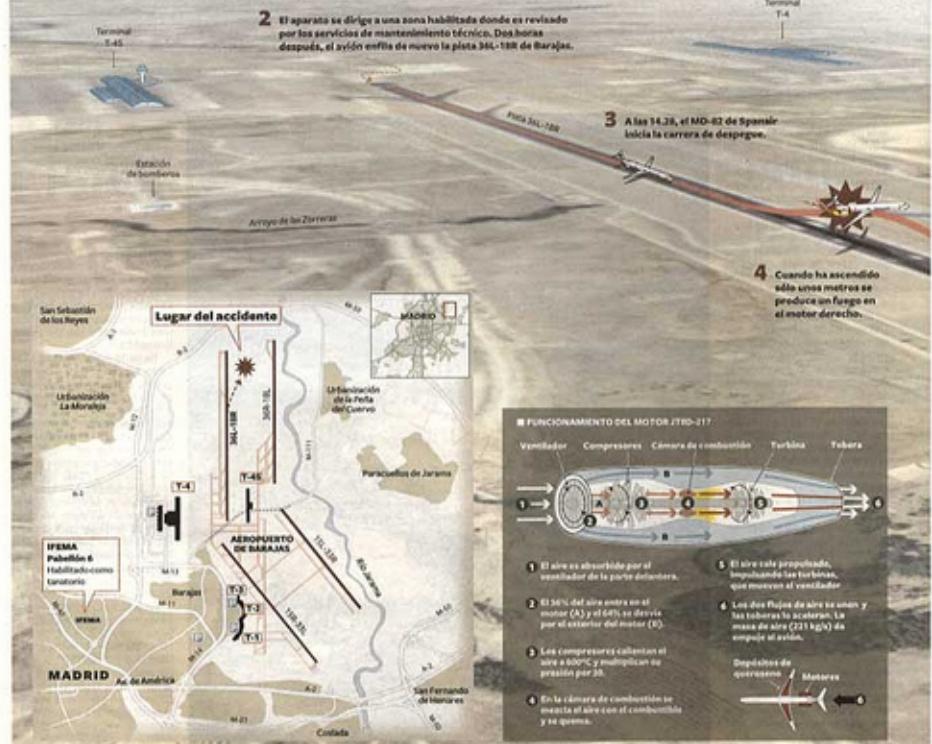
Miembros de la Dirección General de Aviación Civil se presentaron en el lugar del siniestro y pidieron permiso al juez Pérez para investigar las causas del accidente. Fuentes judiciales avanzan ayer tarde que las tareas de identificación de casi un centenar de las víctimas iba a resultar complicada debido al estado de momificación de los cuerpos.

El siniestro tuvo a todo España. El presidente del Gobierno, José Luis Rodríguez Zapatero, suspendió sus vacaciones en Canarias y acudió a la plaza de Colón. El Rey, que se encontraba fuera de Madrid, expresó sus condolencias. Las muestras de duelo fueron continuas y líderes de todo el

país se acercaron a la tragedia. Los 1.800 personas han muerto en grandes siniestros de la aviación en España desde 1970. El 27 de marzo de 1977 en el aeropuerto de Los Rodeos (Tenerife) fallecieron 583 personas en Barajas. El aeropuerto de Barajas no había sufrido un accidente con muertos desde el 7 de diciembre de 1983, que causó 93 víctimas. El día de ayer ya está en la historia negra de la aviación.

## EL PAÍS.COM

► Cobertura especial  
Siga las noticias de última hora, ve todas las imágenes y videos de la catástrofe y consulte un gráfico animado que explica el accidente.



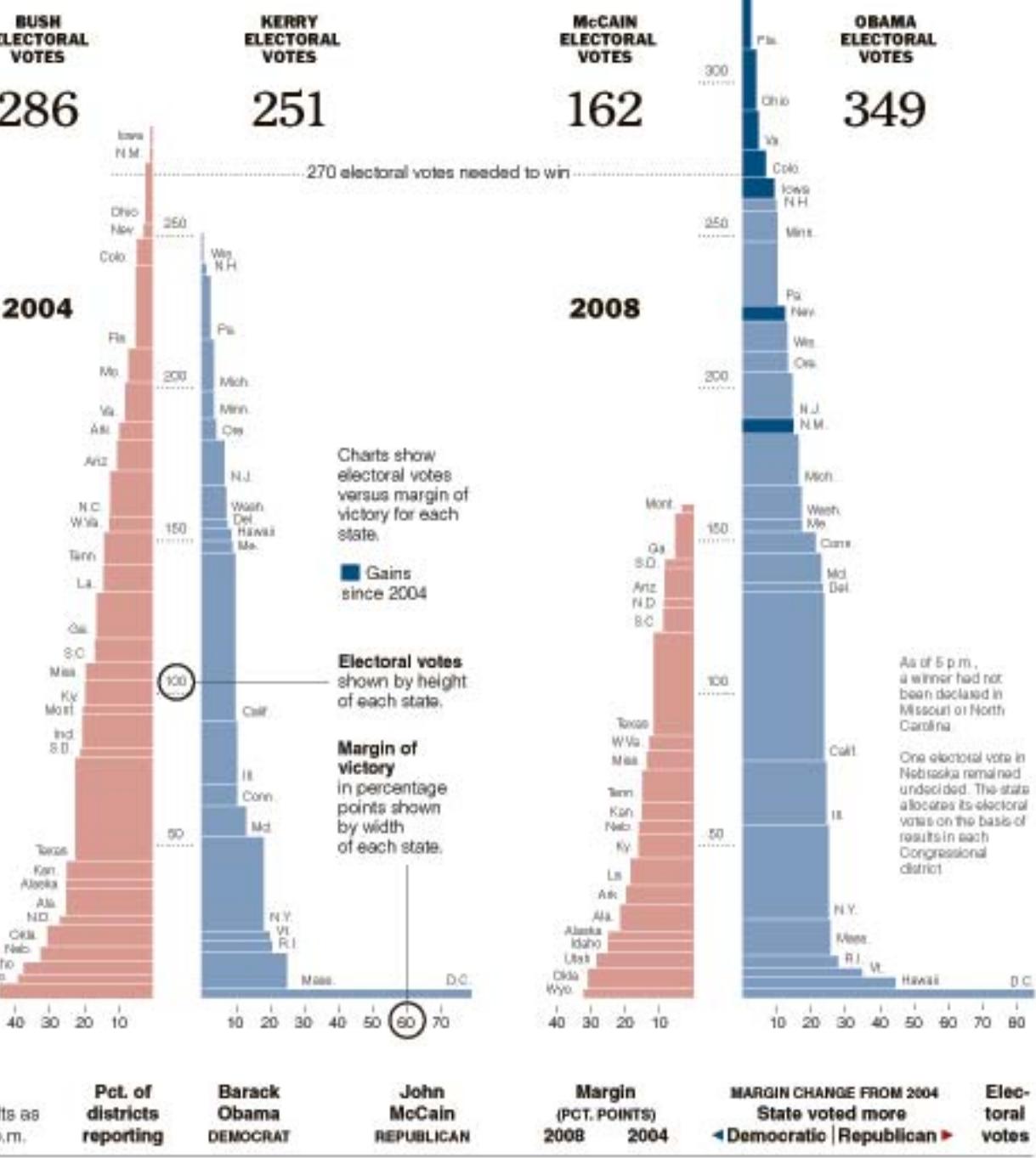
# In a Decisive Victory, Obama Reshapes the Electoral Map

Barack Obama's historic win, with at least 349 electoral votes to John McCain's 162, can be attributed to his victories in several high-population states, like Florida, Virginia and Ohio, that George W. Bush won handily in 2004.

The struggling economy, especially in more

industrial states, and high numbers of new voters helped flip key areas from red to blue. Even where Mr. McCain beat Mr. Obama, he won by slimmer margins, as much of the electorate — across age, race and income lines — swung toward the Democratic Party.

By Erin Aigner, Joe Burgess, Baden Copeland, Matthew Ericson, Hannah Fairfield, Ford Fessenden, Haeyoun Park and Archie Tse



Results as of 5 p.m.  
Pet. of districts reporting  
Barack Obama DEMOCRAT  
John McCain REPUBLICAN Margin (PCT. POINTS) 2008 2004 MARGIN CHANGE FROM 2004 State voted more Democratic | Republican  
Electoral votes

States won by Obama						
Hawaii	100%	298,621	72%	110,646	27%	+45 ■ +9 ■ +36 ■ 4
Indiana	100%	1,367,264	50%	1,341,101	49%	< 1 ■ +21 ■ +22 ■ 11
Delaware	100%	247,384	61%	151,687	38%	+24 ■ +8 ■ +16 ■ 3
New Mexico	100%	452,039	57%	332,979	42%	+15 ■ < 1 ■ +16 ■ 5
Vermont	97%	201,999	67%	95,422	32%	+35 ■ +20 ■ +15 ■ 3
Nevada	100%	531,884	55%	411,988	43%	+12 ■ +3 ■ +15 ■ 5
Illinois	100%	3,293,340	62%	1,975,801	37%	+25 ■ +10 ■ +14 ■ 21
California	97%	6,179,542	61%	3,738,444	37%	+24 ■ +10 ■ +14 ■ 55
Michigan	100%	2,867,880	57%	2,044,405	41%	+16 ■ +3 ■ +13 ■ 17
Virginia	99%	1,792,502	52%	1,637,937	47%	+4 ■ +8 ■ +13 ■ 13
Wisconsin	100%	1,633,117	56%	1,251,653	43%	+13 ■ < 1 ■ +13 ■ 10
Colorado	92%	1,109,328	53%	986,957	46%	+7 ■ +5 ■ +11 ■ 9
Connecticut	98%	943,819	60%	606,268	39%	+22 ■ +10 ■ +11 ■ 7
Maryland	99%	1,409,150	61%	873,320	38%	+23 ■ +13 ■ +10 ■ 10
Iowa	100%	818,240	54%	677,508	45%	+9 ■ < 1 ■ +10 ■ 7
Washington	58%	960,228	57%	690,352	41%	+16 ■ +7 ■ +9 ■ 11
Oregon	70%	695,695	55%	532,078	42%	+13 ■ +4 ■ +9 ■ 7
New Hampshire	92%	355,901	55%	290,944	45%	+10 ■ +1 ■ +9 ■ 4
Maine	93%	390,147	56%	271,876	40%	+18 ■ +9 ■ +9 ■ 4
New Jersey	100%	2,073,934	57%	1,540,907	42%	+15 ■ +7 ■ +8 ■ 15
Pennsylvania	100%	3,184,807	55%	2,584,119	44%	+10 ■ +3 ■ +8 ■ 21
Rhode Island	98%	275,028	63%	152,197	35%	+28 ■ +21 ■ +7 ■ 4
Florida	100%	4,103,833	51%	3,908,736	48%	+2 ■ +5 ■ +7 ■ 27
New York	99%	4,357,360	62%	2,573,968	37%	+25 ■ +18 ■ +7 ■ 31
Minnesota	100%	1,573,244	54%	1,275,655	44%	+10 ■ +3 ■ +7 ■ 10
D.C.	100%	210,403	93%	14,821	7%	+86 ■ +80 ■ +6 ■ 3
Ohio	98%	2,667,468	51%	2,461,198	47%	+4 ■ +2 ■ +6 ■ 20
Massachusetts	100%	1,890,183	62%	1,104,086	36%	+26 ■ +25 ■ +1 ■ 12

States won by McCain

States won by McCain						
North Dakota	100%	141,113	45%	168,523	53%	+9 ■ +27 ■ +19 ■ 3
Nebraska	100%	315,913	41%	439,421	57%	+16 ■ +33 ■ +17 ■ 4
Montana	100%	220,401	47%	236,513	50%	+3 ■ +21 ■ +17 ■ 3
Utah	100%	301,771	34%	555,497	63%	+29 ■ +46 ■ +17 ■ 5
South Dakota	100%	170,877	45%	202,999	53%	+8 ■ +21 ■ +13 ■ 3
Idaho	100%	235,709	36%	402,098	62%	+25 ■ +38 ■ +13 ■ 4
Georgia	99%	1,811,198	47%	2,022,409	52%	+5 ■ +17 ■ +11 ■ 15
Texas	100%	3,521,164	44%	4,467,748	56%	+12 ■ +23 ■ +11 ■ 34
Kansas	100%	499,863	41%	685,414	57%	+15 ■ +25 ■ +10 ■ 6
South Carolina	100%	842,441	45%	1,006,727	54%	+9 ■ +17 ■ +8 ■ 8
Wyoming	100%	80,498	33%	160,638	65%	+33 ■ +40 ■ +7 ■ 3
Mississippi	100%	517,899	43%	684,475	56%	+14 ■ +20 ■ +6 ■ 6
Alabama	100%	811,510	39%	1,283,741	60%	+22 ■ +26 ■ +4 ■ 9
Kentucky	100%	746,510	41%	1,043,284	57%	+16 ■ +20 ■ +4 ■ 8
Arizona	99%	851,585	45%	1,012,978	54%	+9 ■ +10 ■ +2 ■ 10
Alaska	99%	80,340	36%	136,348	62%	+26 ■ +26 ■ < 1 ■ 3
Oklahoma	100%	502,288	34%	959,645	66%	+31 ■ +31 ■ < 1 ■ 7
West Virginia	100%	301,438	43%	394,278	58%	+13 ■ +13 ■ < 1 ■ 5
Tennessee	100%	1,081,074	42%	1,470,160	57%	+15 ■ +14 ■ +1 ■ 11
Louisiana	100%	780,981	40%	1,147,603	59%	+19 ■ +15 ■ +4 ■ 9
Arkansas	98%	417,314	36%	632,140	59%	+20 ■ +10 ■ +10 ■ 6

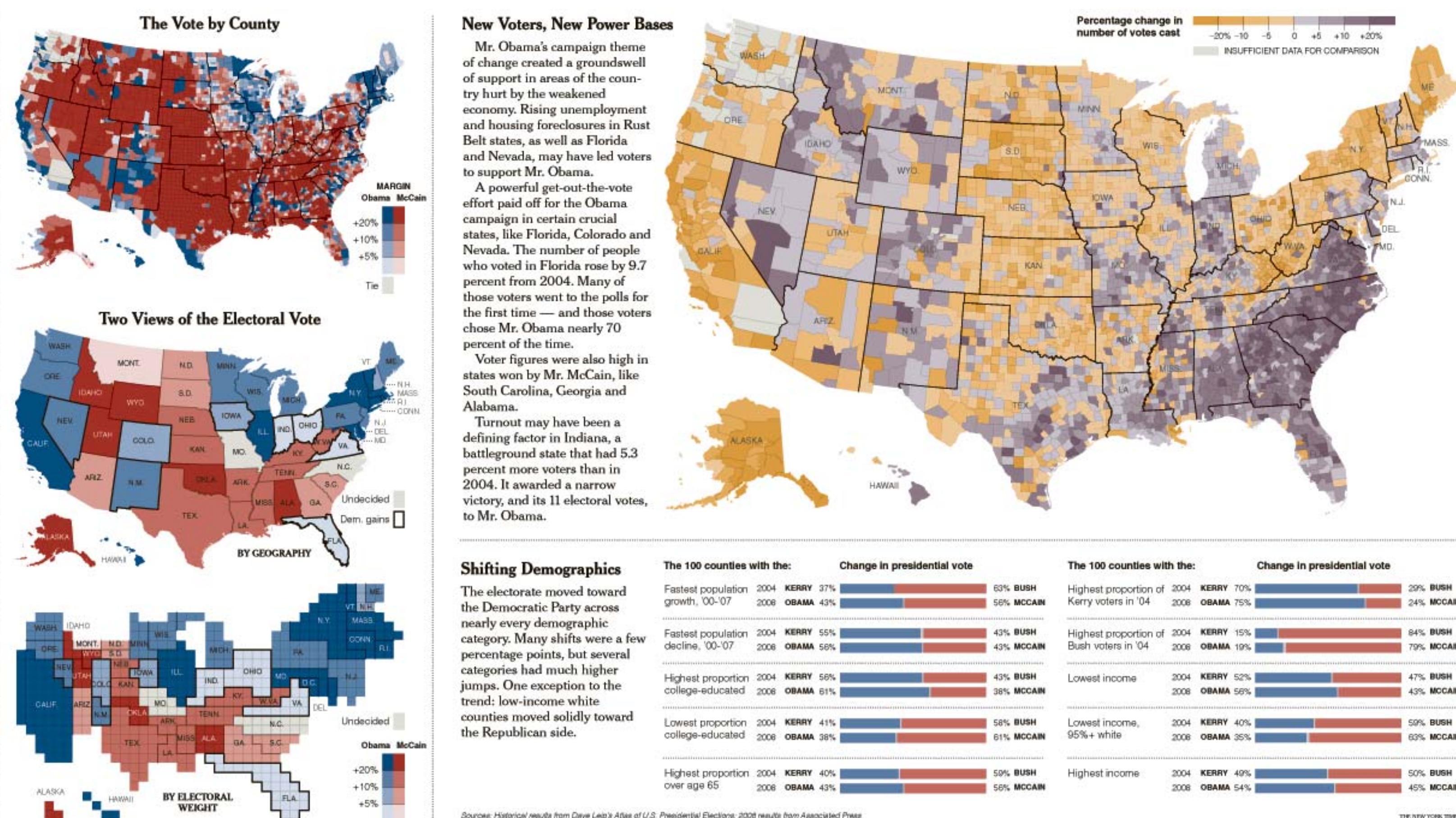
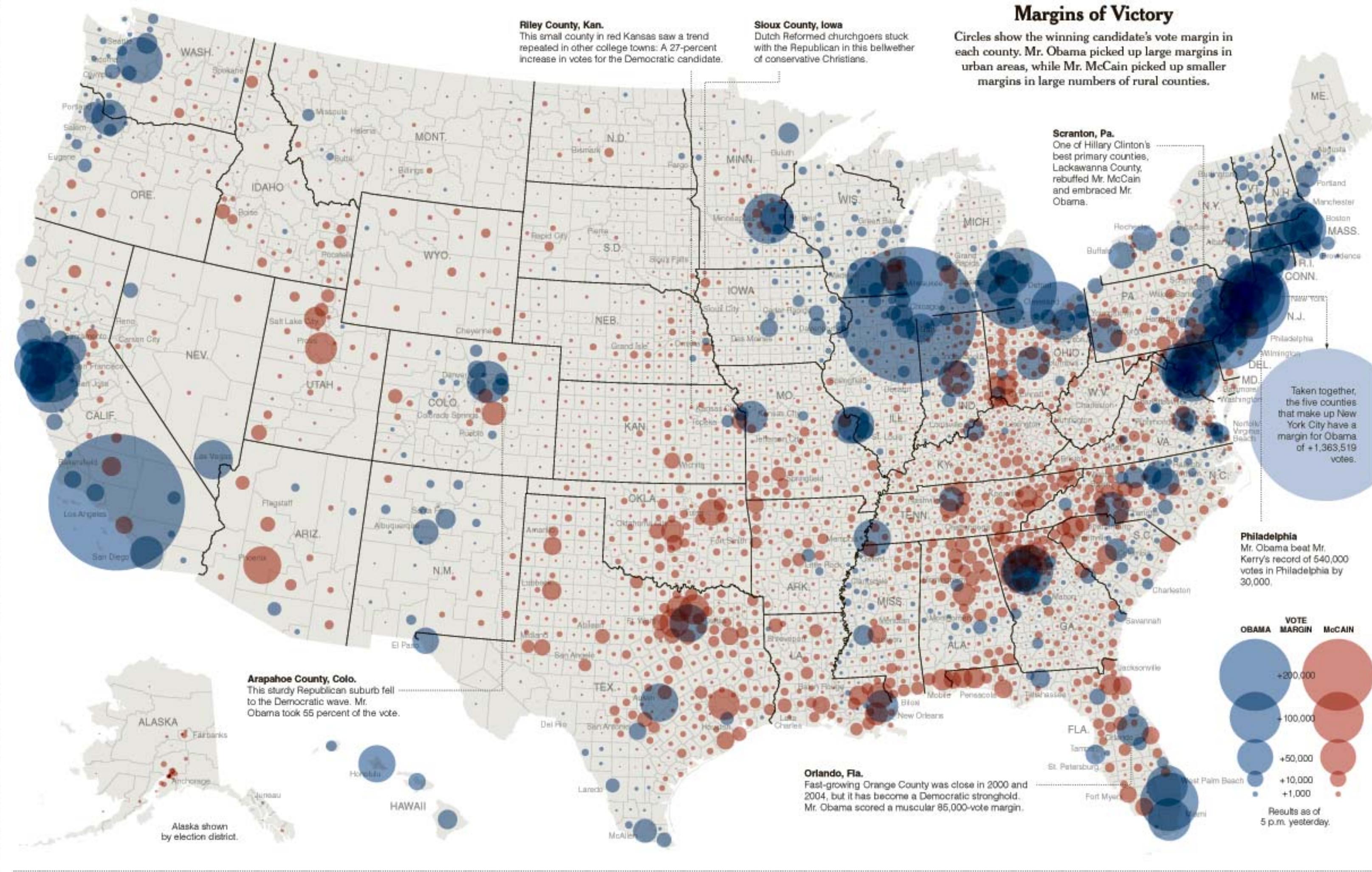
No winner called

27

Missouri 100% 1,436,745 49% 1,442,613 49% +7 ■ 11

North Carolina 100% 2,115,854 50% 2,102,761 50% +12 ■ 15

TOTAL 98% 63,668,432 53% 56,255,927 47% < 1 ■ 538



Sources: Historical results from Dave Leip's Atlas of U.S. Presidential Elections; 2008 results from Associated Press

## Margins of Victory

Circles show the winning candidate's vote margin in each county. Mr. Obama picked up large margins in urban areas, while Mr. McCain picked up smaller margins in large numbers of rural counties.



THE NEW YORK TIMES



# An Average Consumer's Spending

Each shape below represents how much the average American spends in different categories.

Larger shapes make up a larger part of spending.

Color shows change in prices from March 2007 to March 2008



ZOOM IN ZOOM OUT

## Food and beverages 15%

The high price of oil is a factor that has made food prices rise quickly.

## Miscellaneous 3%

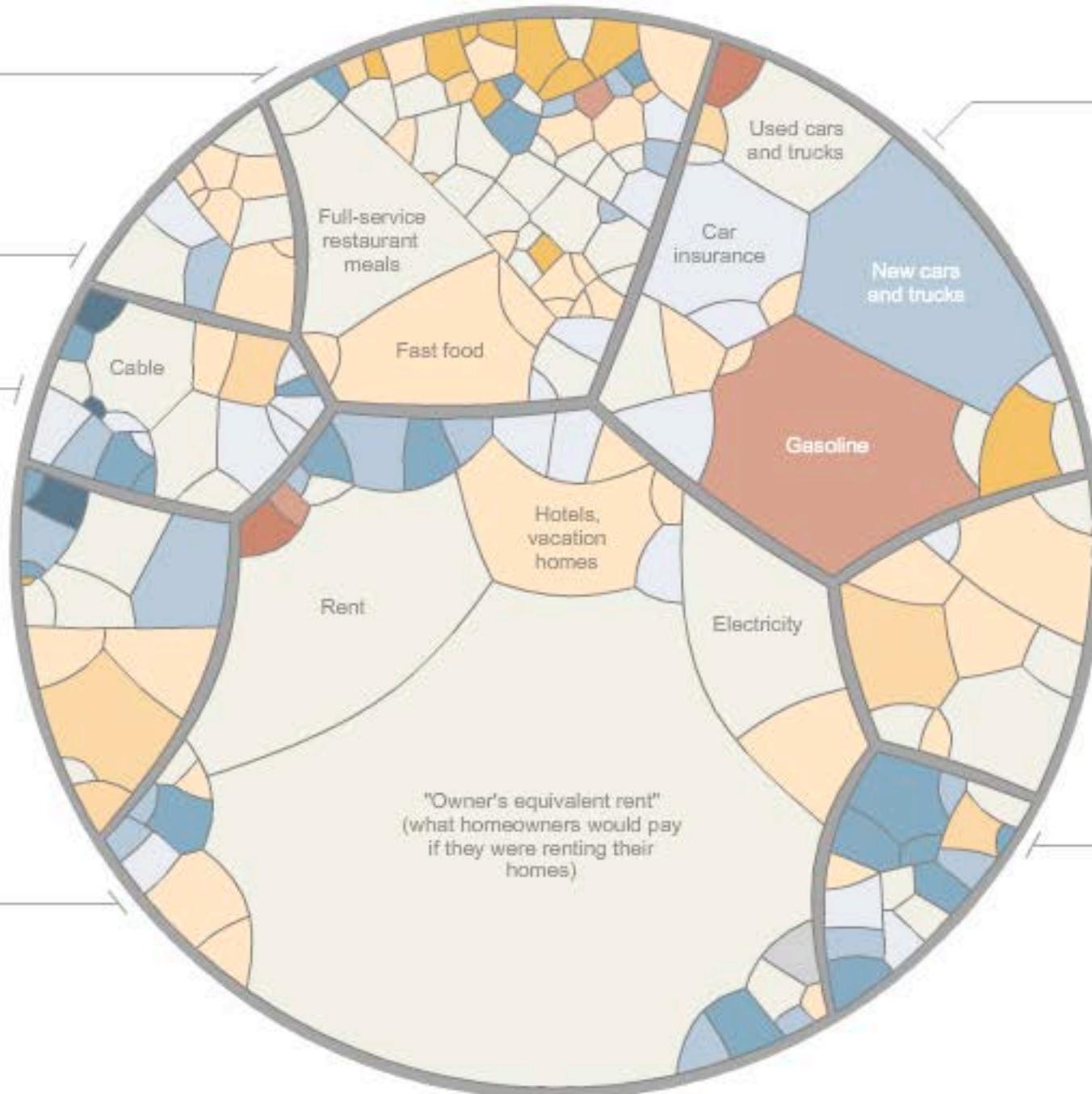
## Recreation 6%

## Education/Communication 6%

Cellphones were added to the index in 1997. Because the Consumer Price Index can be slow to add new goods, which are often cheaper, it may overstate parts of inflation.

## Housing 42%

In the C.P.I., home ownership costs track rent prices more closely than housing prices. This means inflation may have been understated when home prices were rising faster than rents.



## Transportation 18%

Gas is 5.2 percent of spending nationwide, but only 3.8 percent in the New York area.

## Health care 6%

As a group, the elderly spend about twice as much of their budget on medical care.

## Apparel 4%

The ratio of spending on women's clothes to that on men's clothes is about 2 to 1.

Population density

Percent black

Percent Hispanic

Percent white

Catholics

Southern Baptists

College graduates

H.S. graduates

Median income

Pct. in poverty

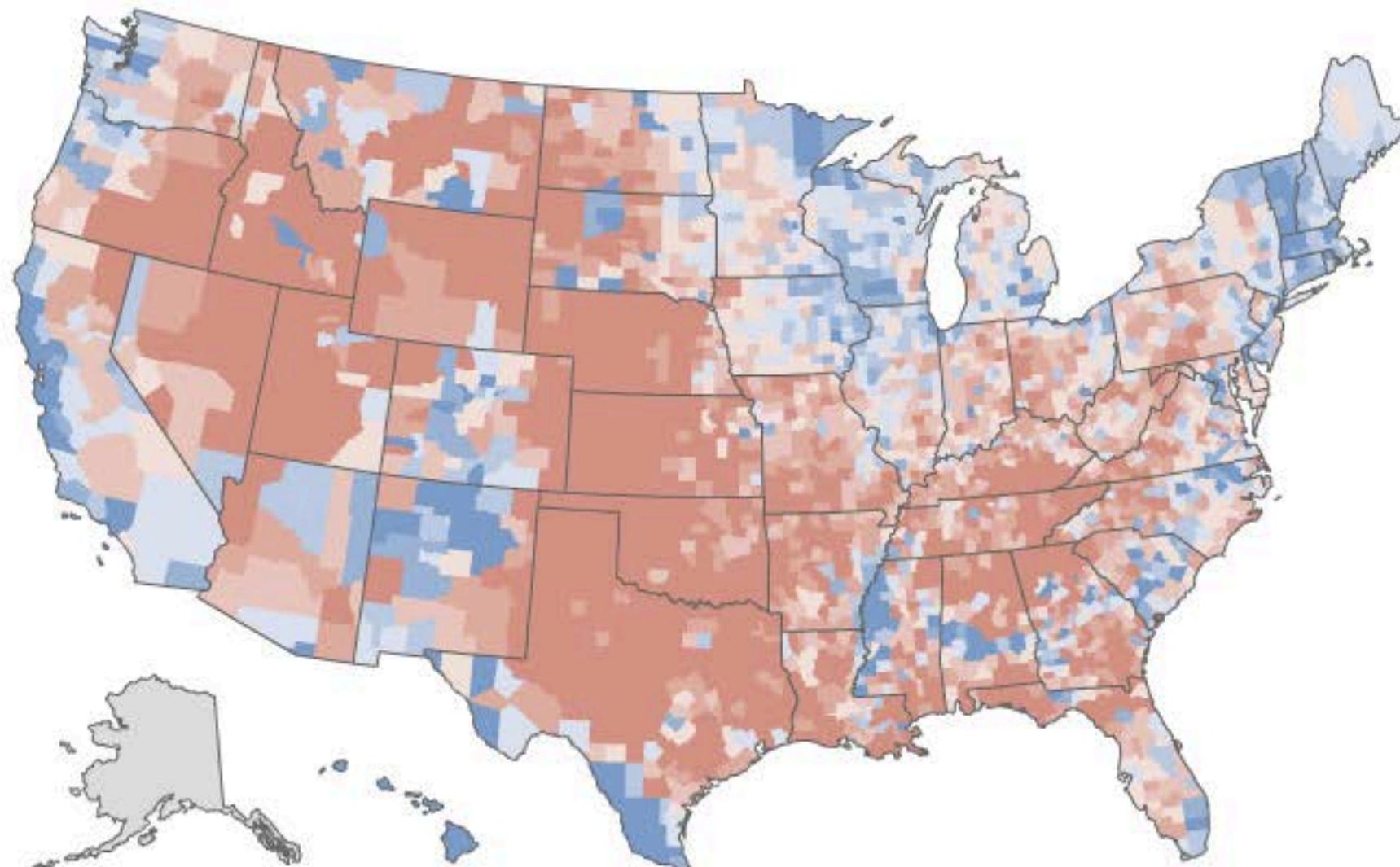
Pct. unemployed

Unemployment chg.

Manufacturing jobs

Pct. over 65

## The vote in counties where population per square mile is between 0 and 57,173

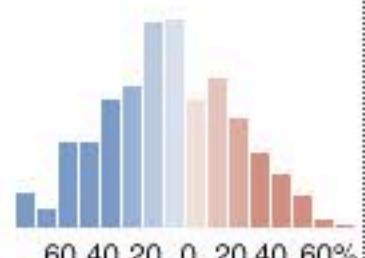
Obama **53%**

66,728,126 votes

McCain

**46%**

58,119,030 votes



60 40 20 0 20 40 60%

3,141 counties

Votes in visible counties,  
grouped by county-level  
margin of victory.

# 153 personas mueren en el accidente de Spanair

**Fallo** Un motor explotó y se incendió inmediatamente después del despegue del avión, que se estrelló al poco tiempo del ascenso • **Testigos** "Se oyó una explosión y se volatilizó en medio del humo"

Redacción - Agencias / MADRID

El de 2008 es desde ayer un verano malo. La tragedia del vuelo JK5022 de la compañía Spanair en el aeropuerto de Barajas, de donde despegó para no llegar jamás a su destino, Las Palmas de Gran Canaria, es salida de momento con la muerte de 153 personas y 19 heridos, varios de ellos en situación muy grave.

El accidente conmocionó al país entero, que quedó asqueado por la magnitud del drama. Parañizado casi, en los primeros instantes, Barajas volvió a ser escenario de un accidente aéreo después de 25 años.

El momento clave fue el despegue, minutos antes de las tres de la tarde. El aparato inició la maniobra de ascenso y apenas lo había hecho descendió bruscamente para acabar estrellándose y partirse en dos sobre una vaguada cercana a la pista. Era el segundo intento de despegue. El primero había sido abortado por el propio comandante, que antes informó de una avería en un indicador de temperatura, que fue reparada. A la segunda tentativa, y en el llamado punto de no retorno, todos los indicios apuntan a que el motor izquierdo estalló.

Testigos presenciales narraron



Una de las heridas del accidente de ayer en Barajas.

que, en ese instante, oyeron una explosión y el aparato "se volatilizó". El avión se partió en dos y se incendió cerca de la terminal 4 de Barajas. Se produjo "una enorme bola de fuego y una masa de humo negro" se levantó en la zona, dijo una mujer que presenció el accidente. Poco más tarde, el testimonio de uno de los primeros guardias civiles en llegar al lugar, lo decía todo: "No queda nada

que parezca a un avión". Otra testigo que presenció los hechos resaltó que el avión "hizo un rodaje en junta carretera muy larga. La pista era muy mala después de su caída desde el aire", agregó.

Los restos del MD82 quedaron esparcidos en un radio de un centenar de metros. Los siete miembros de la tripulación murieron en el acto. El avión volaba con código compartido con la alemana Lufthansa.

Minutos después del accidente, el drama se apoderó del edificio de la terminal 4 del aeropuerto madrileño. Las primeras cifras de muertos coincidían con la llegada de los familiares de los pasajeros. En todos ellos el mismo rictus de dolor, la mirada perdida, los ojos arrasados por las lágrimas. El desconcierto y el nerviosismo eran la tónica predominante. Los retrasos e incluso las cancelaciones de vuelos se acumulaban en

las pantallas del aeropuerto de Barajas. El tráfico quedaría completamente normalizado a última hora de la tarde.

El dolor y la desolación multiplicados se repetiría más tarde en las instalaciones de Ifema, en Madrid, habilitadas para las tareas de identificación de los restos de los fallecidos en el siniestro.

Los más allegados a los pasajeros que viajaban en el avión de Spanair fueron llegando a la lar-

go de la tarde en coches particulares y en taxis. Además, dos amplios autobuses trasladaron por la noche a sendos grupos numerosos de familiares que reflejaban su dolor por lo ocurrido y la natural desolación ante la perspectiva de tener que enfrentarse al reconocimiento de sus seres queridos. A lo largo de la tarde noche se vio casi medio centenar de vehículos de las empresas funerarias encargadas de trasladar los restos mortales al pabellón.

Los Reyes se desplazarán hoy al tanatorio instalado en el recinto ferial con el objetivo de apoyar a los familiares de los fallecidos, mientras que los Príncipes de Asturias preveían visitar por la tarde a los heridos ingresados en distintos hospitales madrileños. Antes de dirigirse a Ifema, don Juan Carlos y doña Sofía se reunirán a lo largo de la mañana en el aeropuerto de Madrid Barajas con el grupo de crisis creado tras el siniestro para conocer los últimos datos sobre lo ocurrido. Posteriormente, en torno a mediodía, acudirán al tanatorio, precisó la fuente.

Los Príncipes de Asturias también se desplazarán a Ifema en la tarde de mañana y a continuación visitarán a los heridos ingresados en distintos hospitales madrileños. La Familia Real se encuentra "muy afectada" por la tragedia y se mantiene permanentemente informada sobre la tragedia.

La Reina volaba anoche hacia Madrid procedente de Pekín, donde ha estado siguiendo la participación española en los Juegos Olímpicos. Su llegada a Madrid se producirá a primera hora de la mañana de hoy.

Los más allegados a los pasajeros que viajaban en el avión de Spanair fueron llegando a la lar-

## Trágico accidente aéreo en el aeropuerto de Barajas

1 El avión intenta despegar una vez y después fue revisado por un mecánico.



2 Tras la revisión vuelve a reiniciar el despegue del trágico desenlace.

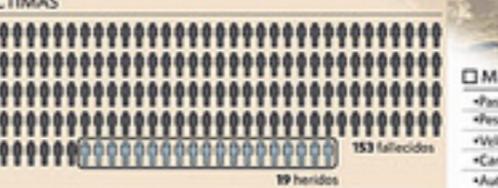
3 El MD-82 despega y asciende unos metros antes de precipitarse.

4 El motor izquierdo se incendia y el avión no puede volver a tierra, tras encontrarse en el punto de no retorno.

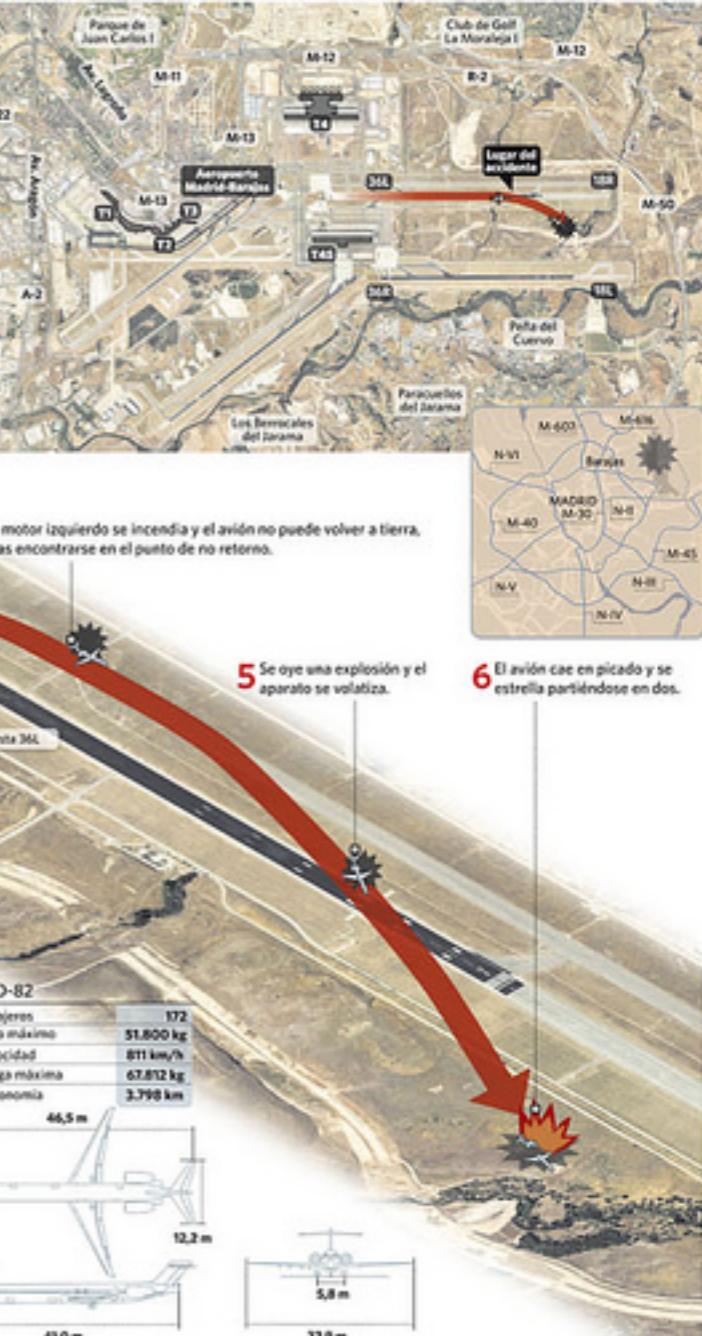
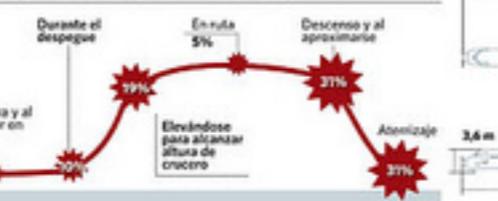
5 Se oye una explosión y el aparato se volatiza.

FUENTE: Agencias. Boeing.  
GRÁFICO: Antonio Gutiérrez, Raquel Fernández, Cristina G. Rivera

### VÍCTIMAS

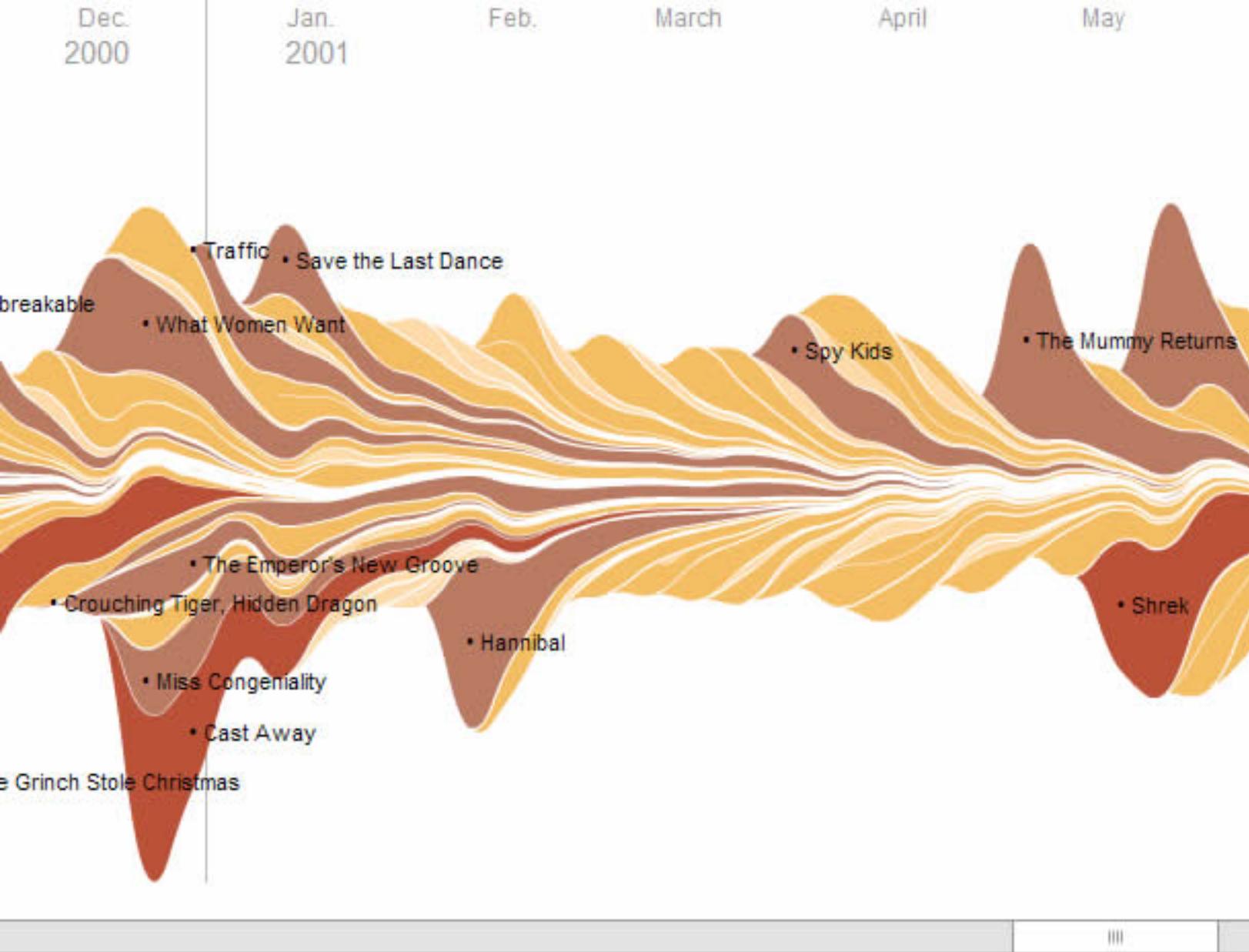


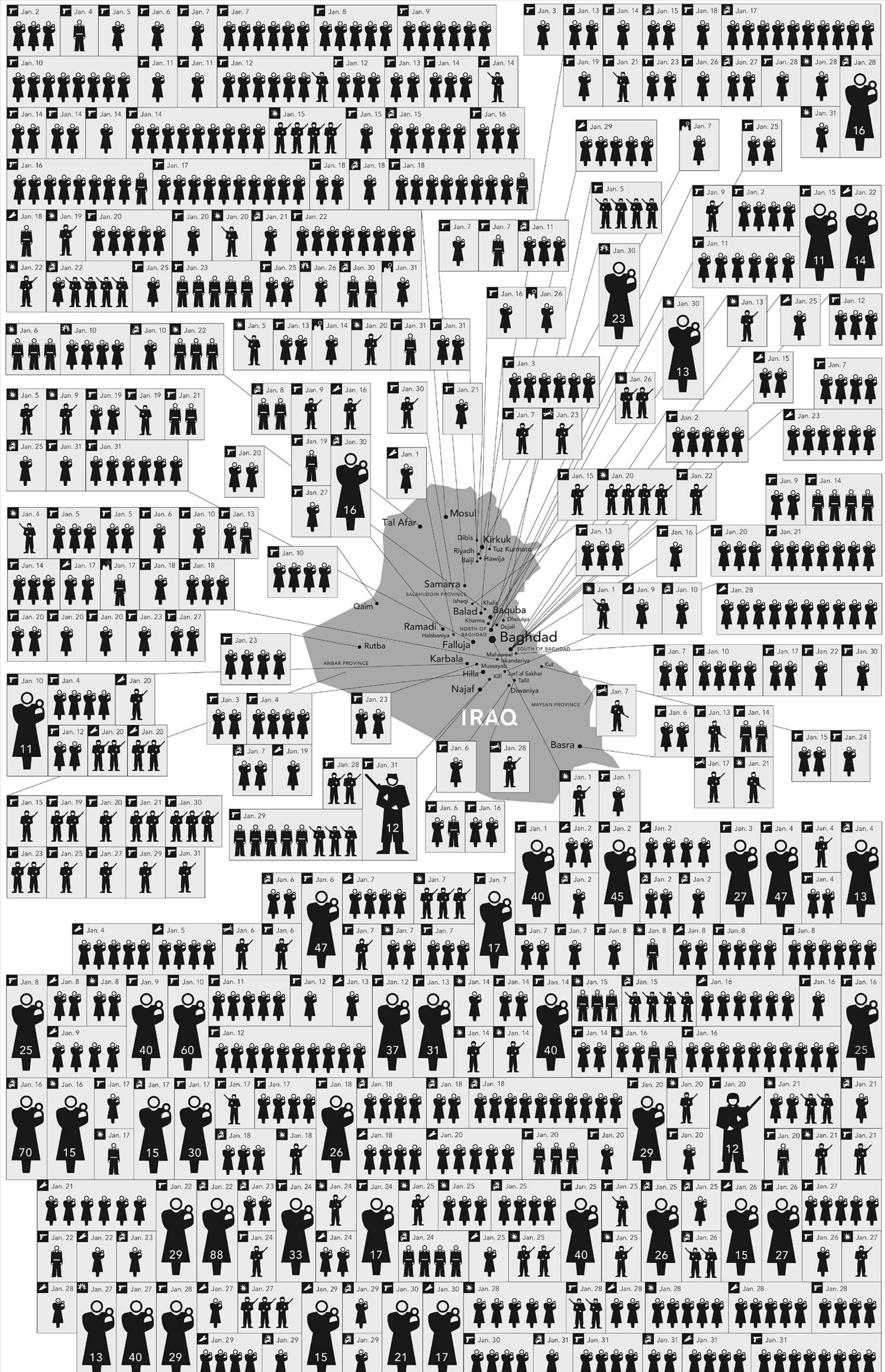
### ACCIDENTES SEGÚN LA ETAPA DE VUELO



### CRONOLOGÍA DE ACCIDENTES AÉREOS EN ESPAÑA

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008										
27	152	48	64	146	50	180	93	38	4	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
1 de enero	3 de julio	5 de marzo	13 de agosto	25 de abril	13 de septiembre	27 de noviembre	7 de diciembre	25 de septiembre	29 de agosto	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Menorca	Barcelona	Nantes	La Coruña	Tenerife	Málaga	Madrid	Melilla	Melilla	Málaga	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
1 de enero	3 de julio	5 de marzo	13 de agosto	25 de abril	13 de septiembre	27 de noviembre	7 de diciembre	25 de septiembre	29 de agosto	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008





AMERICAN FORCES



OTHER COALITION FORCES



IRAQI FORCES



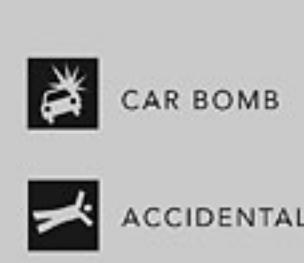
POLICE OFFICER



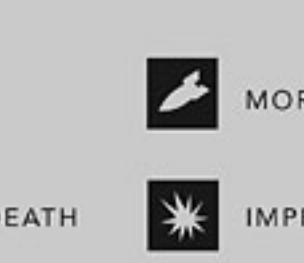
CIVILIAN



HOSTILE FIRE



CAR BOMB



MORTAR/GRENADE



DECAPITATED/STRANGLED



SUICIDE BOMB

ACCIDENTAL DEATH

IMPROVISED EXPLOSIVE DEVICE

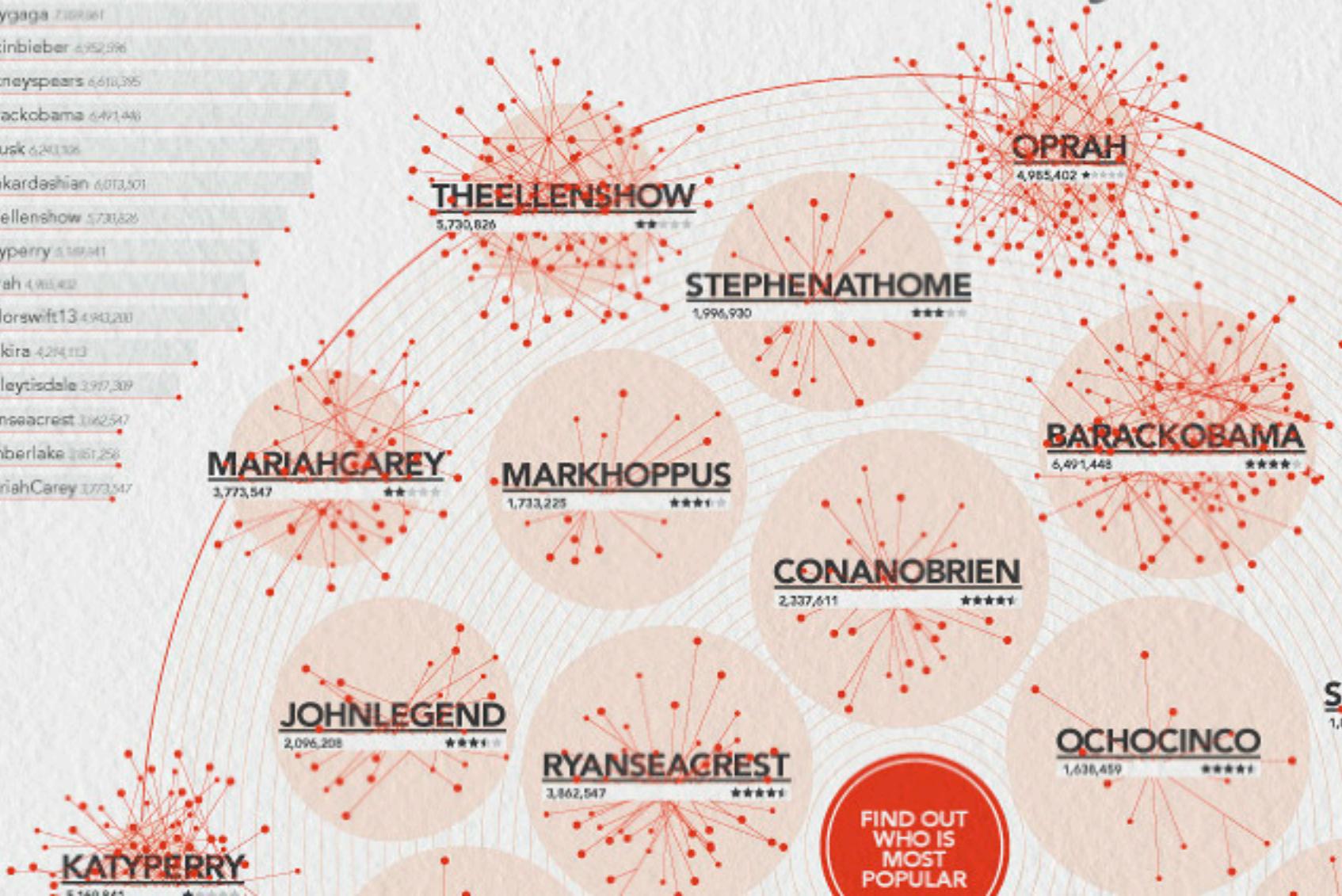




## RANK BY FOLLOWERS

1	ladygaga 7,088,981
2	justinbieber 6,952,996
3	britneyspears 6,610,395
4	barackobama 6,471,446
5	aplusk 6,243,326
6	kimkardashian 6,073,501
7	theellenshow 5,731,828
8	katyperry 5,187,941
9	oprah 4,961,402
10	taylorswift13 4,943,200
11	shakira 4,294,113
12	ashleytisdale 3,917,389
13	ryanseacrest 3,902,547
14	jtimberlake 3,851,256
15	MariahCarey 3,773,547

# Twitter Galaxy





04.08.10

# UNBOXING THE iPAD DATA

What do you get when a Designer and an Account Planner sit side-by-side at a Coffee shop after work? Well, I don't really know what you'd get, but we ended up with an infographic. An infographic on all the iPad data we (and probably you) have seen in

the past 30 odd days. A lot has been said about the iPad already, making it hard to know what's what, but we've done our best to use design to distill and highlight some of the more interesting bits.

~ By @jkumahara & @digitalinfant



## iPAD USAGE INTENTIONS

"If you owned an iPad, how likely would you be to use the following features or activities on the device?"

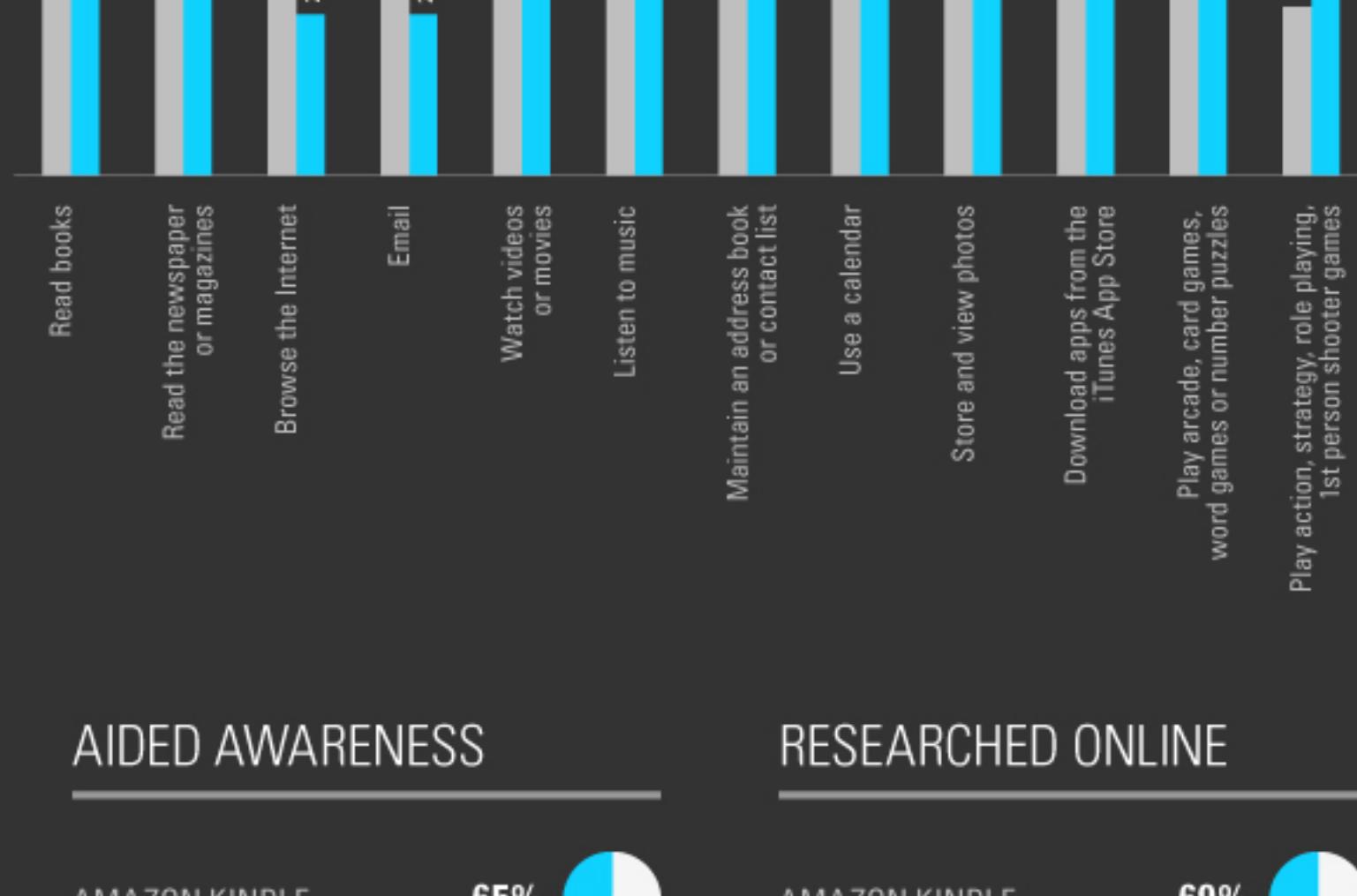
Likely ■ Unlikely ■

**7** Point Scale

**2,176**

Total U.S. Internet Audience Polled

March 12-16, 2010



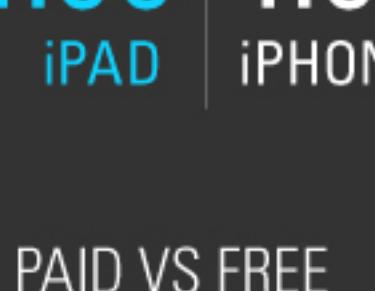
## DEVICE CANNIBALIZATION

Consumers were asked about whether they would use an iPad "instead of" or "in addition to" other digital devices, and indicated the highest likelihood of substituting for the iPod Touch.

**37%**

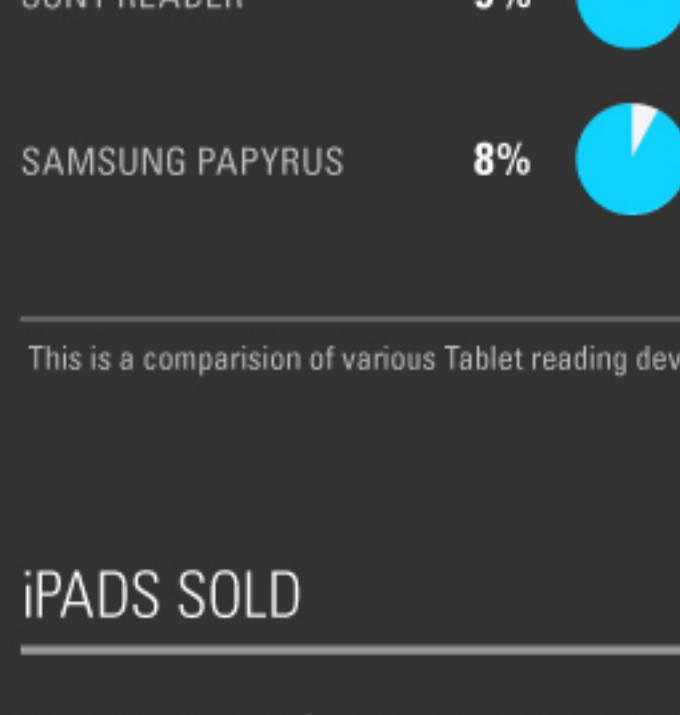
## iPAD VS iPHONE APP PRICES

The other notable difference between the iPad and iPhone, are the app prices. The average price of the initial iPad apps ran around \$4.99 (according to Mobclix) while the iPhone apps averaged a steady \$1.99

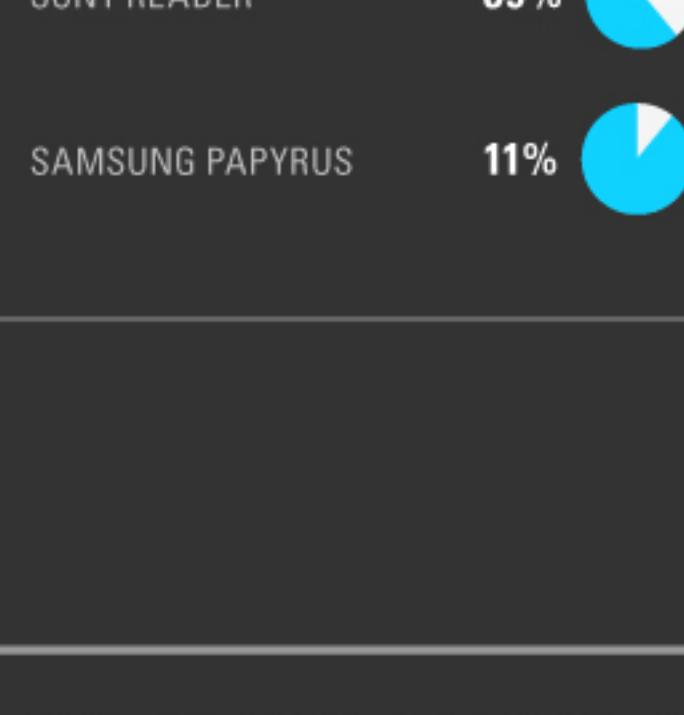


**4.99** **1.99**  
iPAD iPhone

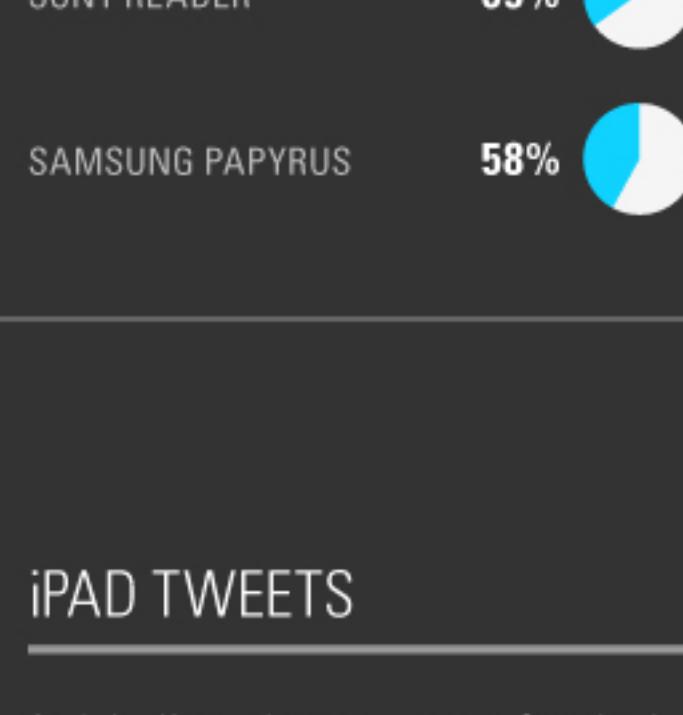
## PURCHASE INTENT



## AIDED AWARENESS



## RESEARCHED ONLINE



This is a comparison of various Tablet reading devices.

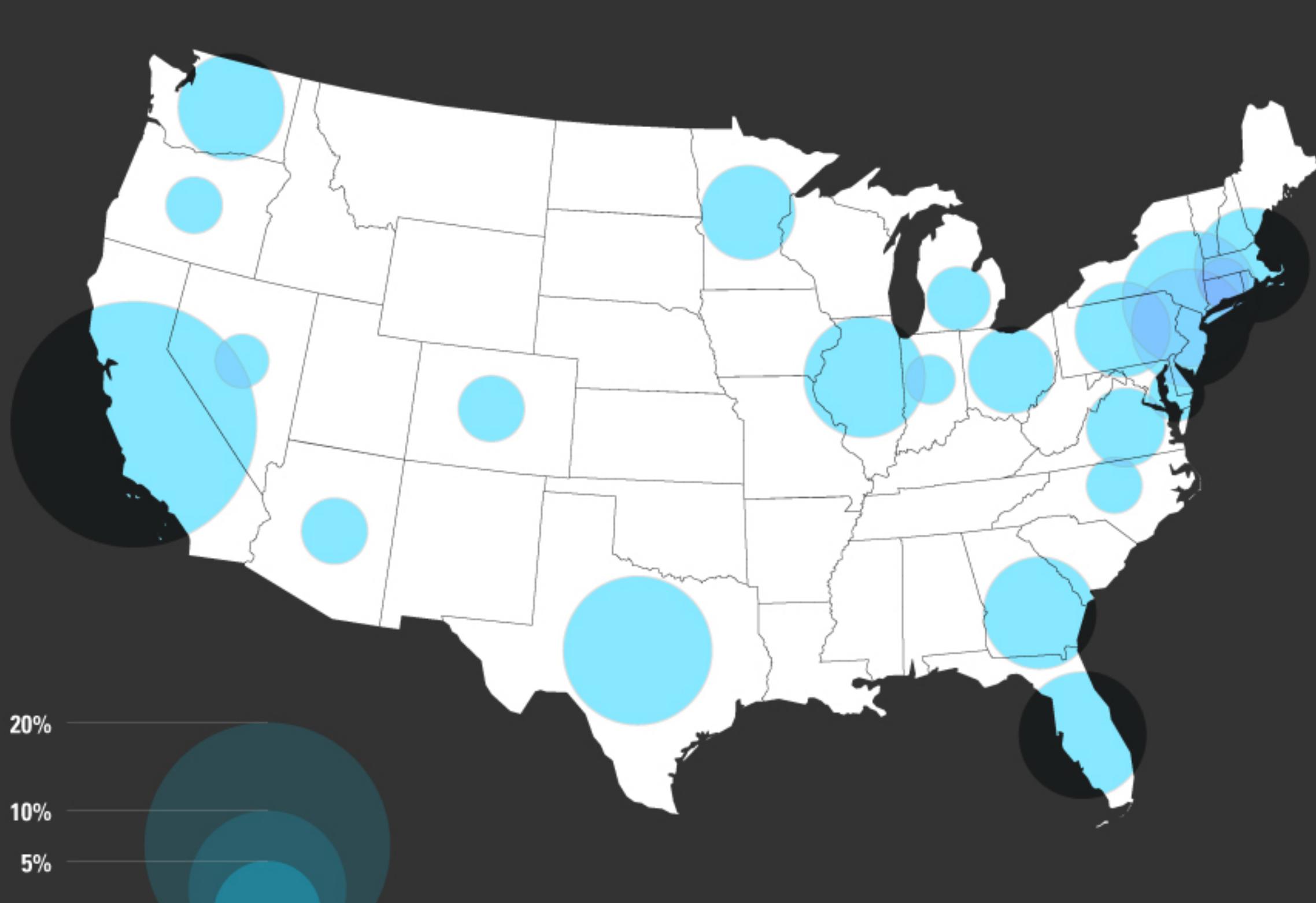
## iPADS SOLD

Piper Jaffray analyst Gene Munster puts the number at 300,000 this weekend, including pre-orders.

By comparison, it took Apple more than 70 days to sell 1 million iPhones after the initial launch.



## ADOPTION BY STATE (BY PERCENTAGE OF iPADS SOLD)



## iPAD TWEETS

Apple itself scored 121,135 tweets on Saturday; in its peak hour, it was name-checked 7,999 times. The iPad's peak: 26,668 tweets in 1 hour.

**24:00** **121,135**  
TOTAL TWEETS

**26,668**  
PEAK HOUR TWEETS

**00:00**

## AS OF APRIL 4TH

**3,122**

iPAD APPS ARE IN THE iTUNES STORE

**300**

THOUSAND DEVICES SOLD

**1**

MILLION APPS SOLD

**3**

APPS/PERSON

**1**

EBOOK/PERSON



**A tale of two Libyas**

Plus: Why the U.S. can't sit on the sidelines  
BY FAREED ZAKARIA

The GOP's misinformation campaign  
BY JOE KLEIN

Could your baby be depressed?

**THE CULTURE**  
**Word up:**  
**A dictionary of slang**

# TIME

Owns a laptop

Household income: \$100,000+

Age: 38-39

Likes: online news

Lives in Los Angeles Fixed mortgage

Likes: Asian cuisine

Young-achiever subset: yes

Dislikes: cars Likes: coffee

Likes: green living Frequently travels

Purchased house six years ago

Favorite celebrities: Personal

ZIP code: 10701 Proper

Wi-fi warrior Age: 35-39

Likes: business & finance

Sister is a lawyer

Frequent purchaser, apparel

Recently traveled to House

Job: medical professional

Likes: parenting Mac

Spent \$180 on intimate app. & undergarments on Oct. 10, 2010

Male Mother: Rosalind Burd Likes: hiking Household income: \$150,000-\$175,000

Previous address: 711 Wilcox Ave. Owns a smart phone

Dislikes: autos & vehicles

Works at company with 5,000+ employees

Likes: movies Magazine subscriber Likes: finance

No landline Likes: rap music

Likes: reggae

Sister: Usa Stein Browning Purchased house in month of November

coffee & tea Has used cocaine Small-business owner

had LASIK surgery Likes: discounts

Likes: Firefox 3.6 user Flourishing family

TV subscriber Likes: restaurants

## YOUR DATA FOR SALE

Everything about you  
is being tracked—  
get over it

BY JOEL STEIN

What data-mining  
companies think  
they know about  
Joel Stein

\$4.99 US \$5.99 CAN

128 pages

Barcode

92567-10090-3

# POPULAR DISTRACTIONS

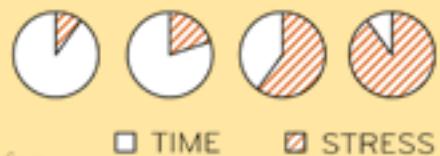


fig. I



fig. B

5,934  
TWEETS



□ TIME    □ STRESS

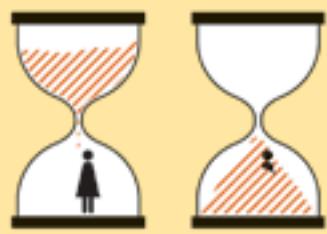


fig. T

300+  
STATUS UPDATES

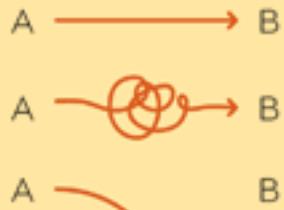


fig. E



fig. D

28 LIFESTYLE BLOGS  
SUBSCRIBED TO

## MOST COMMON FEARS

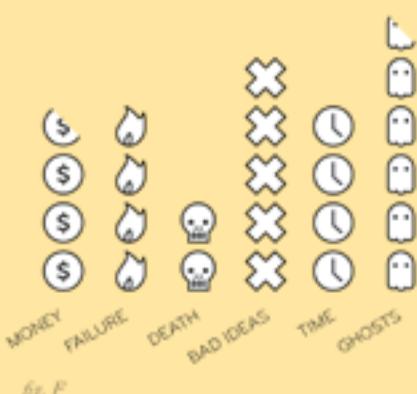


fig. F

16 COFFEE BREAKS



fig. C

## EXCUSES

MOST USED

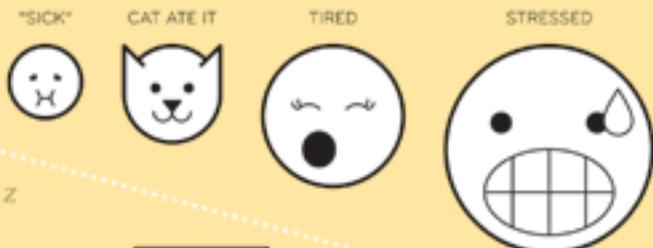


fig. Z

## PLANNED SCHEDULE



## ACTUAL SCHEDULE

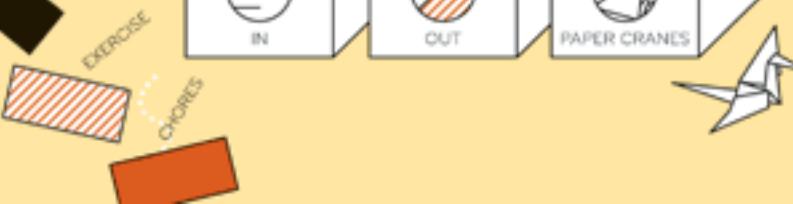


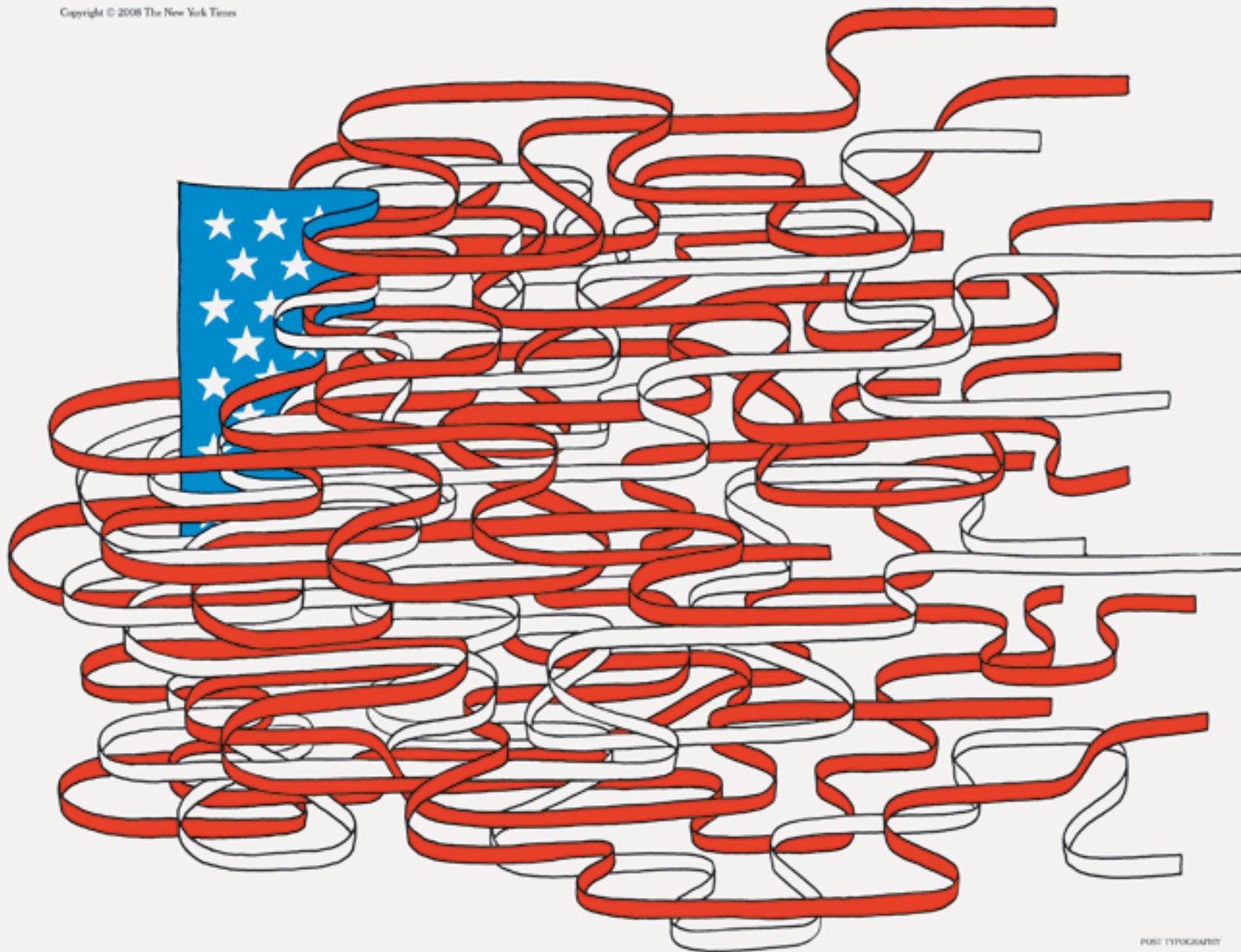
fig. H

The New York Times

February 10, 2008

# Book Review

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POST TYPOGRAPHY

## Politics, Real and Imagined

RADICAL '60s FICTION FROM HARI KUNZRU AND PETER CAREY **PAGES 12 AND 14**

VISIONS OF HILLARY **PAGE 20** | MICHAEL LIND AND ALAN EHRENHALT: CONSERVATIVE BLUEPRINTS **PAGES 8 AND 10**

ORLANDO PATTERSON AND JILL NELSON ON THE POLITICS OF RACE **PAGES 17 AND 18**

