

Edward Tufte & Information Design For the Web

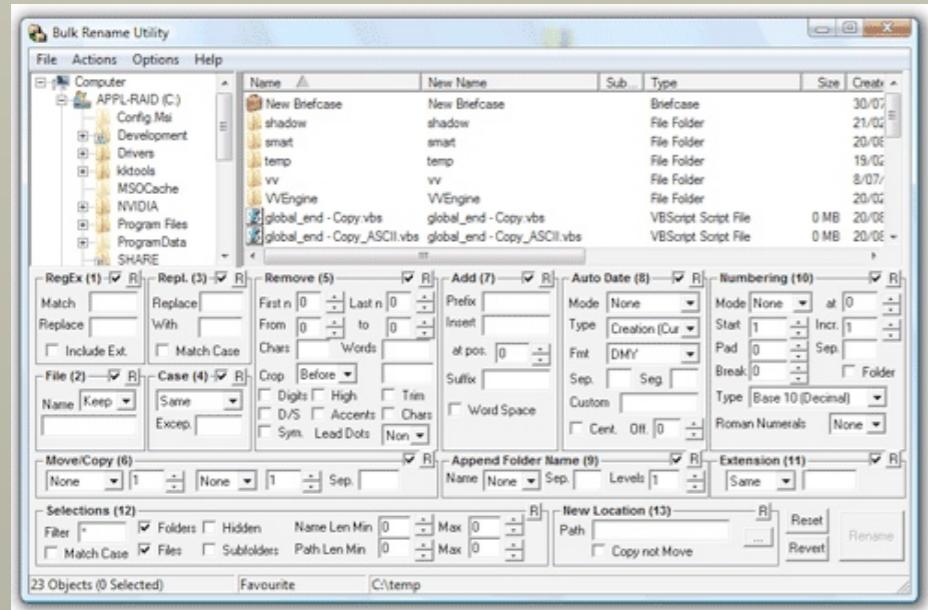
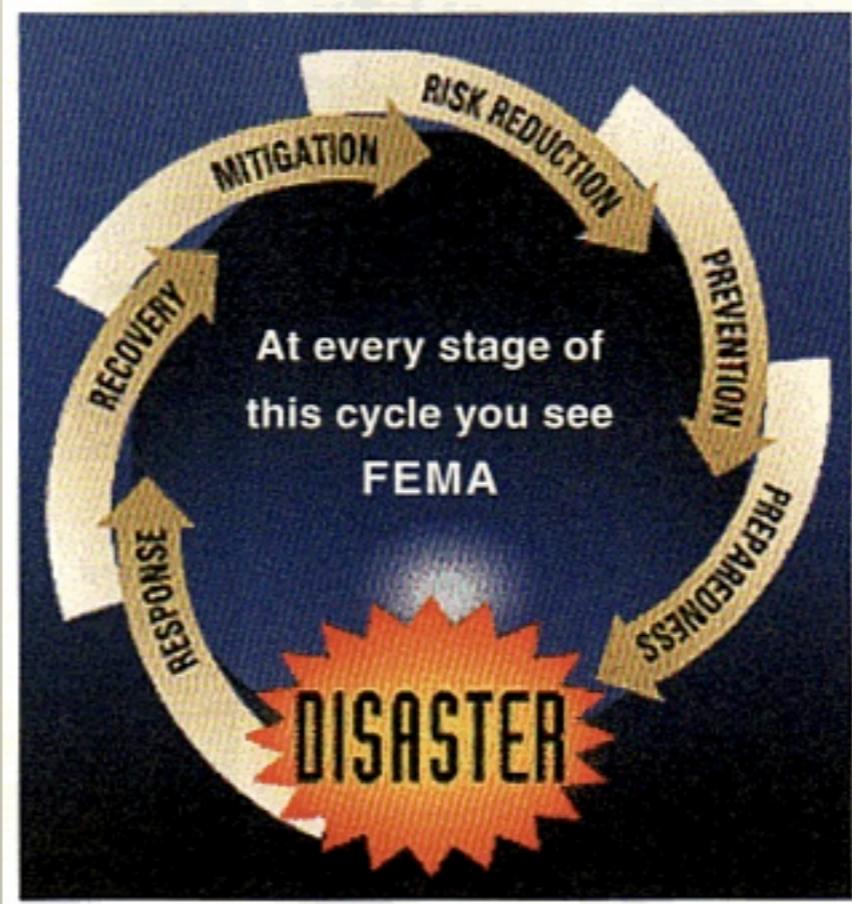
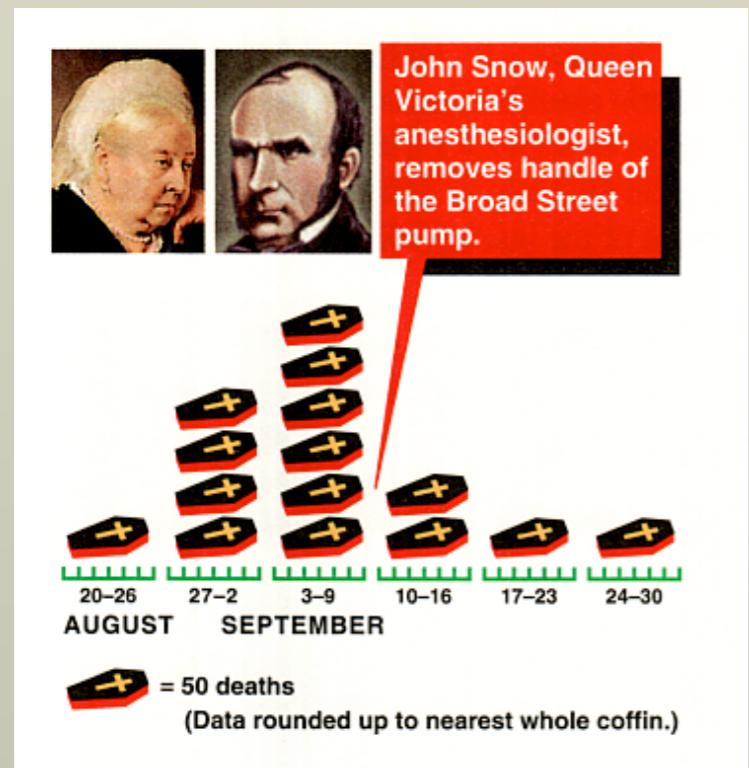


Dilbert Another Day in Cubicle Paradise

“ The fundamental task of the information architect is to make the information understandable.

The goal is to clarify.

Richard Saul Wurman *Digerati*

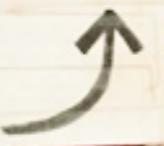


**“ Insights into graphical
design are to be gained, I
believe, from theories of
what makes for excellence in
art, architecture, and prose.**

The Visual Display of Quantitative Information



PUSH



Outline

Information design principles

Application to Web design

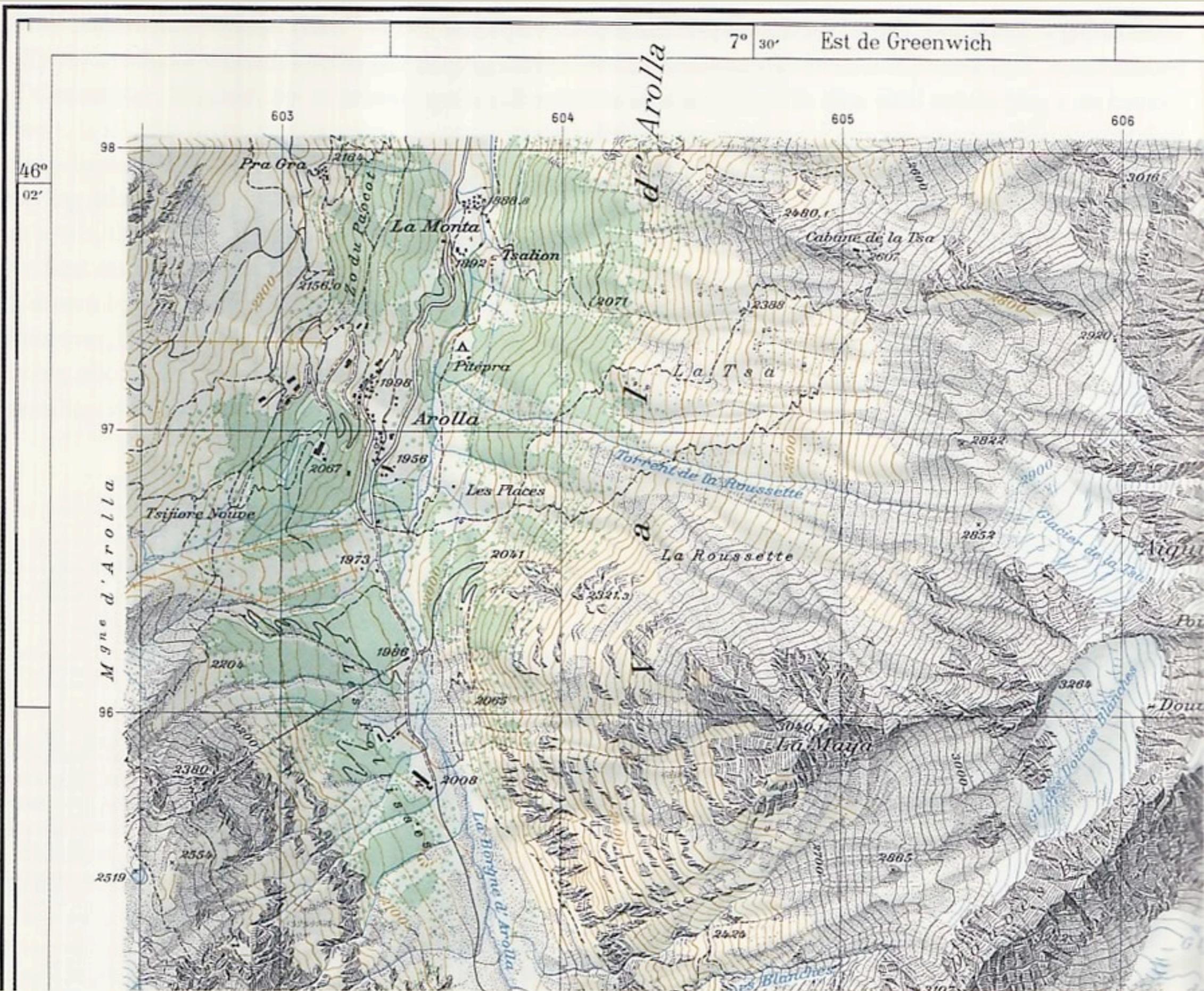
Tufte's Information Design Principles

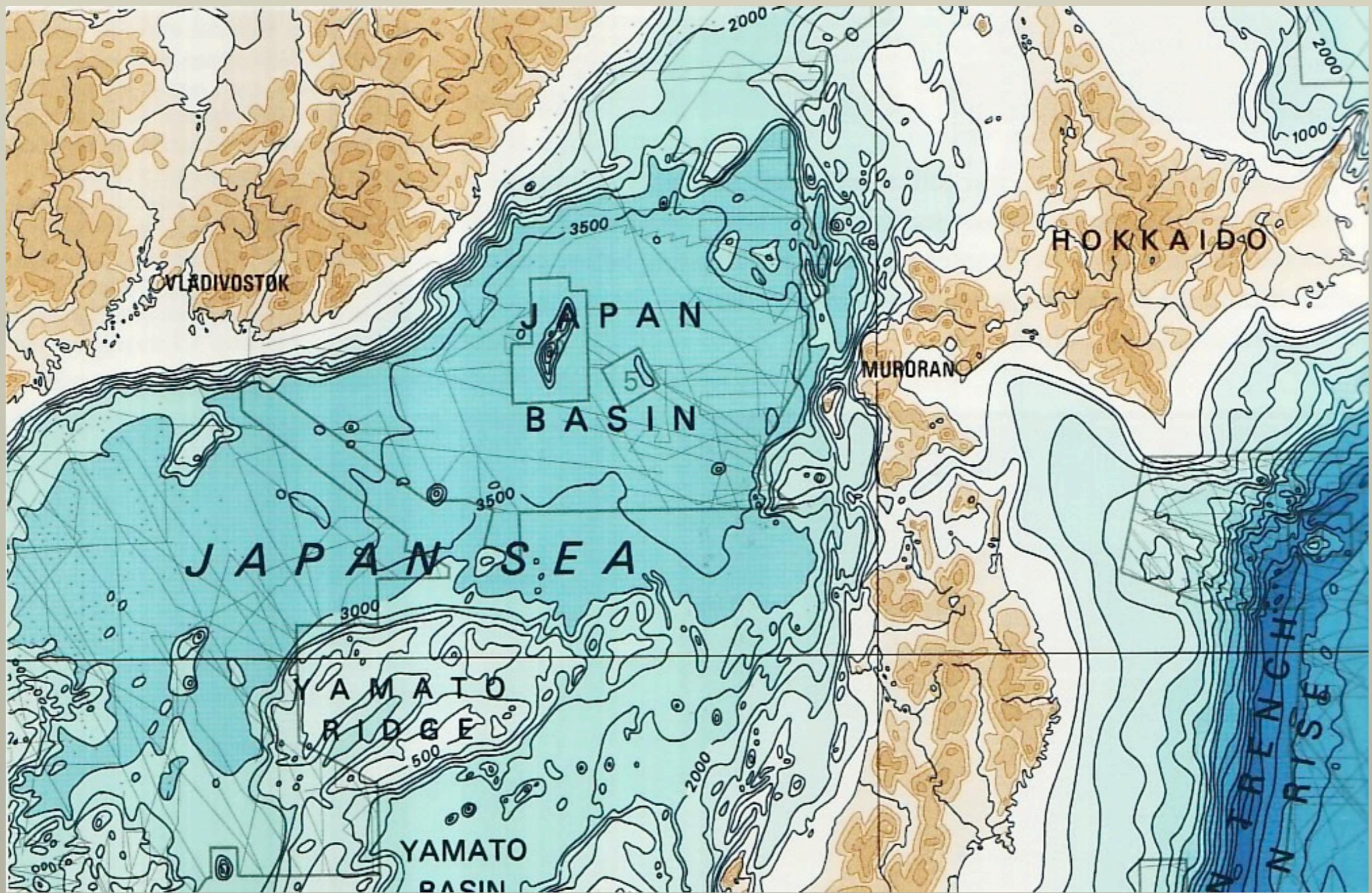
- 1 Graphics reveal data**
- 2 To clarify, add detail**
- 3 Small multiples invite comparisons**
- 4 “Smallest effective difference”**
- 5 Above all else, show the data**

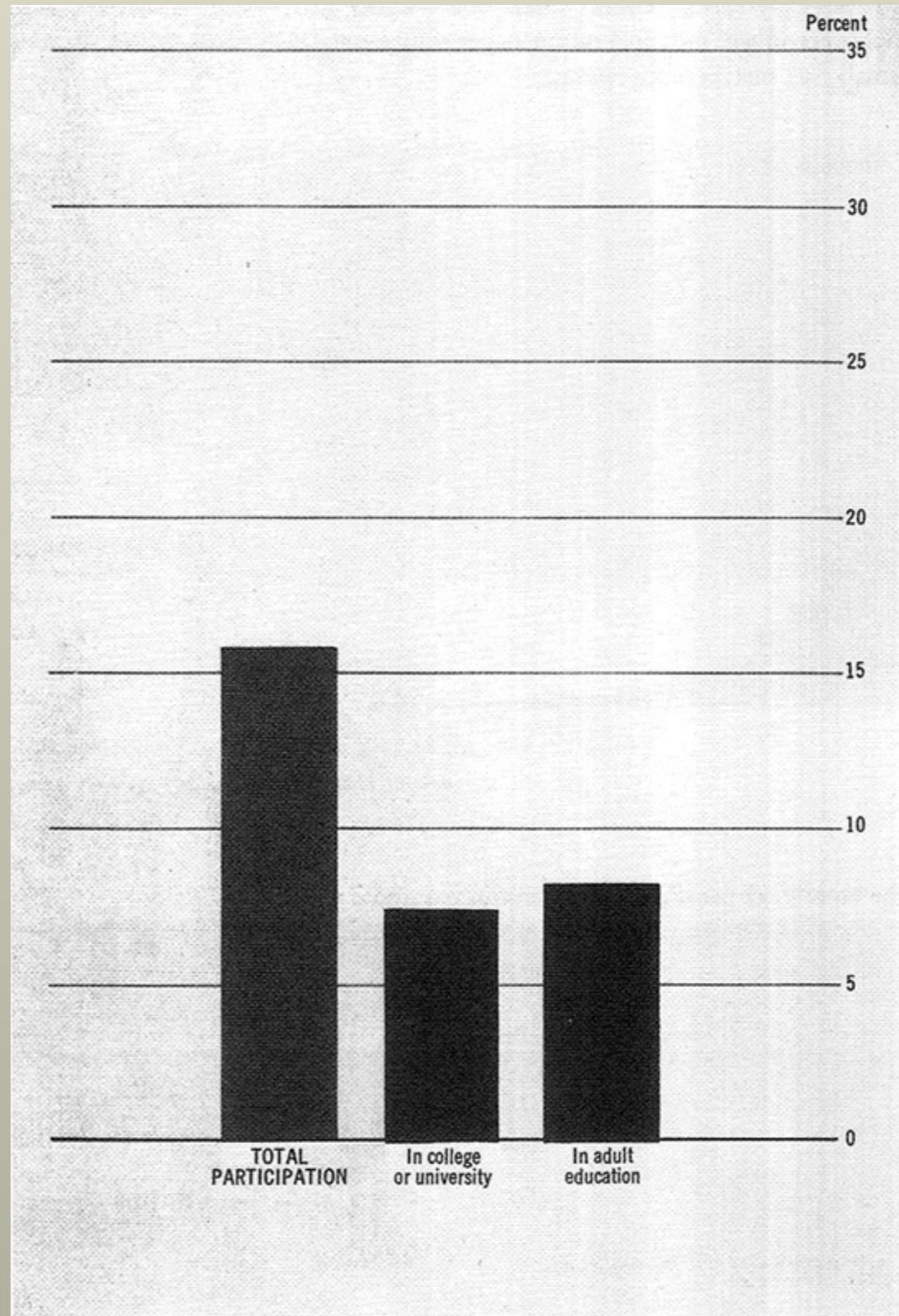
Principle 1

Graphics *reveal* data

7° 30' Est de Greenwich

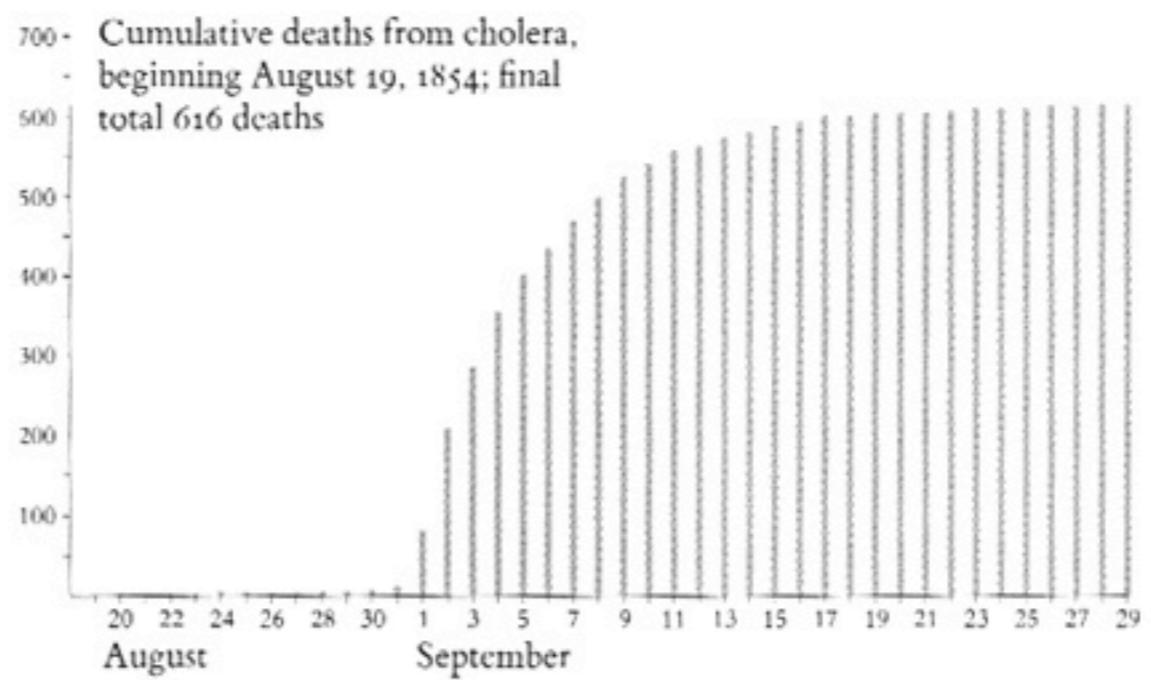
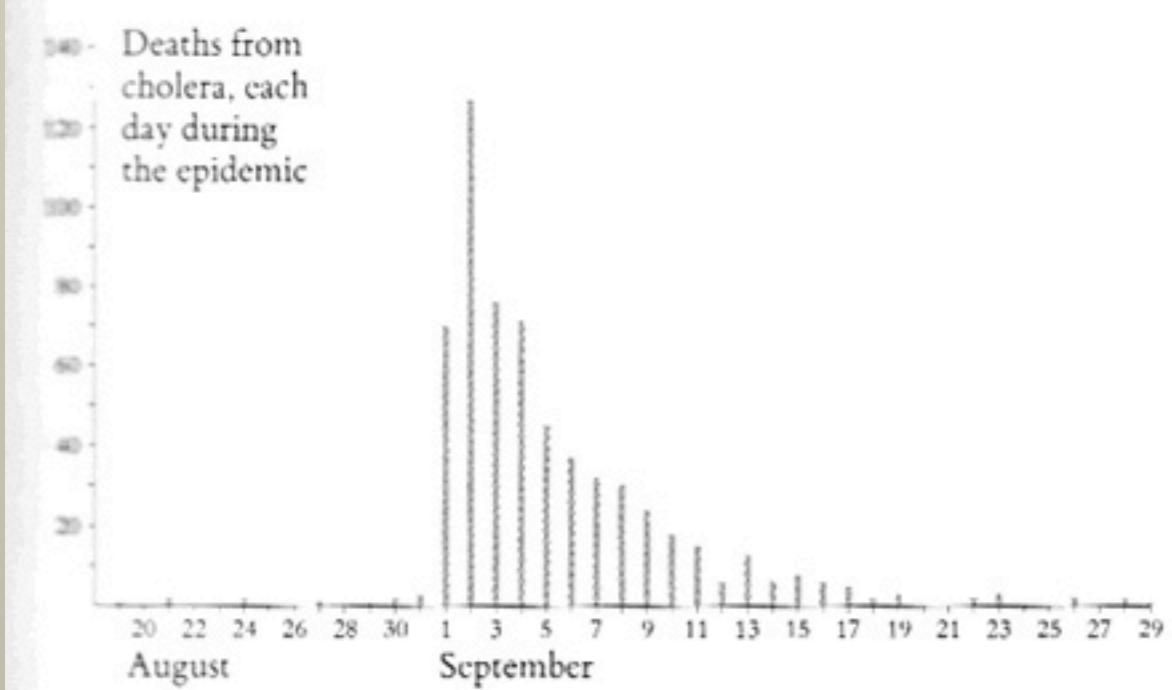


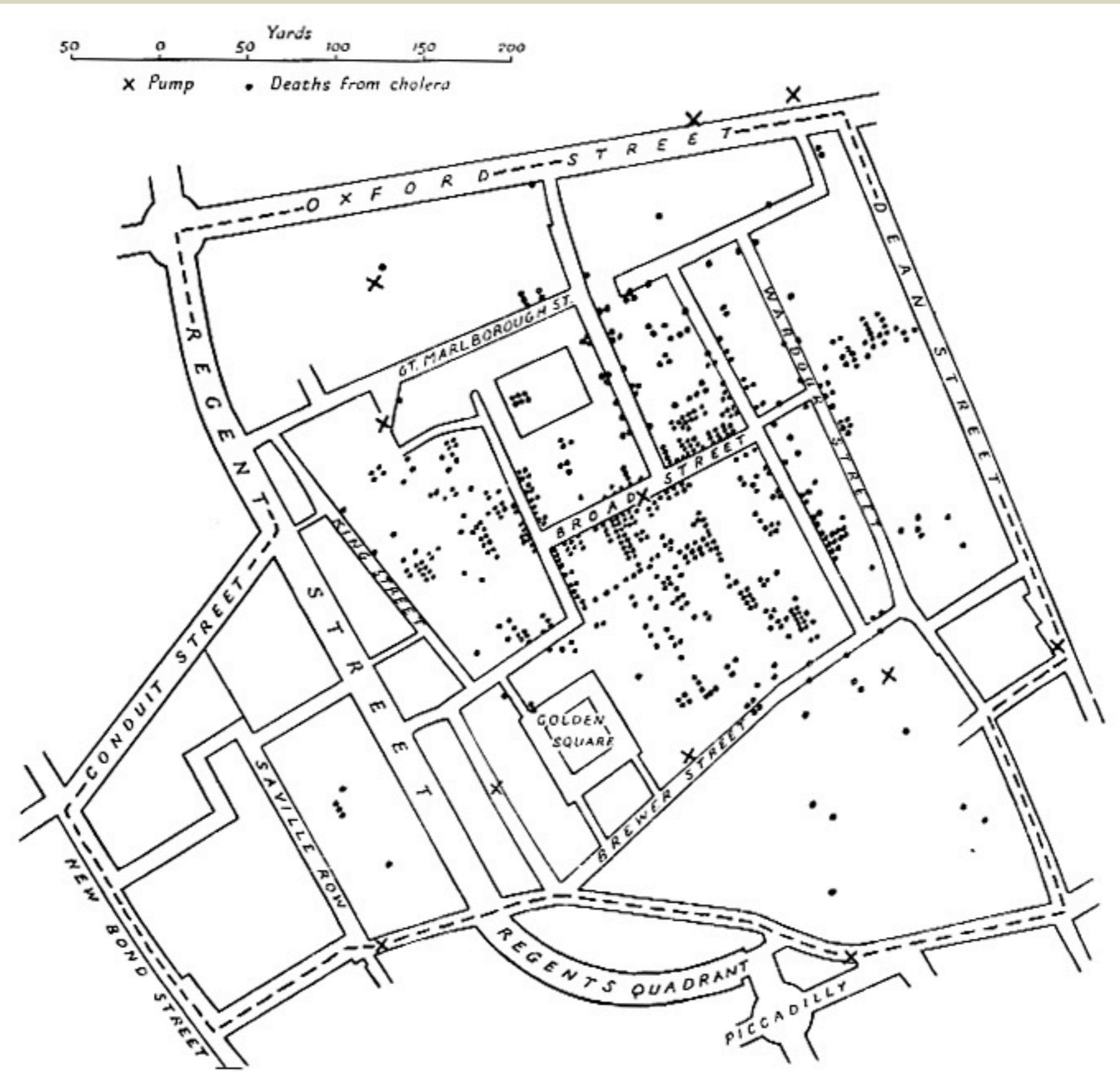


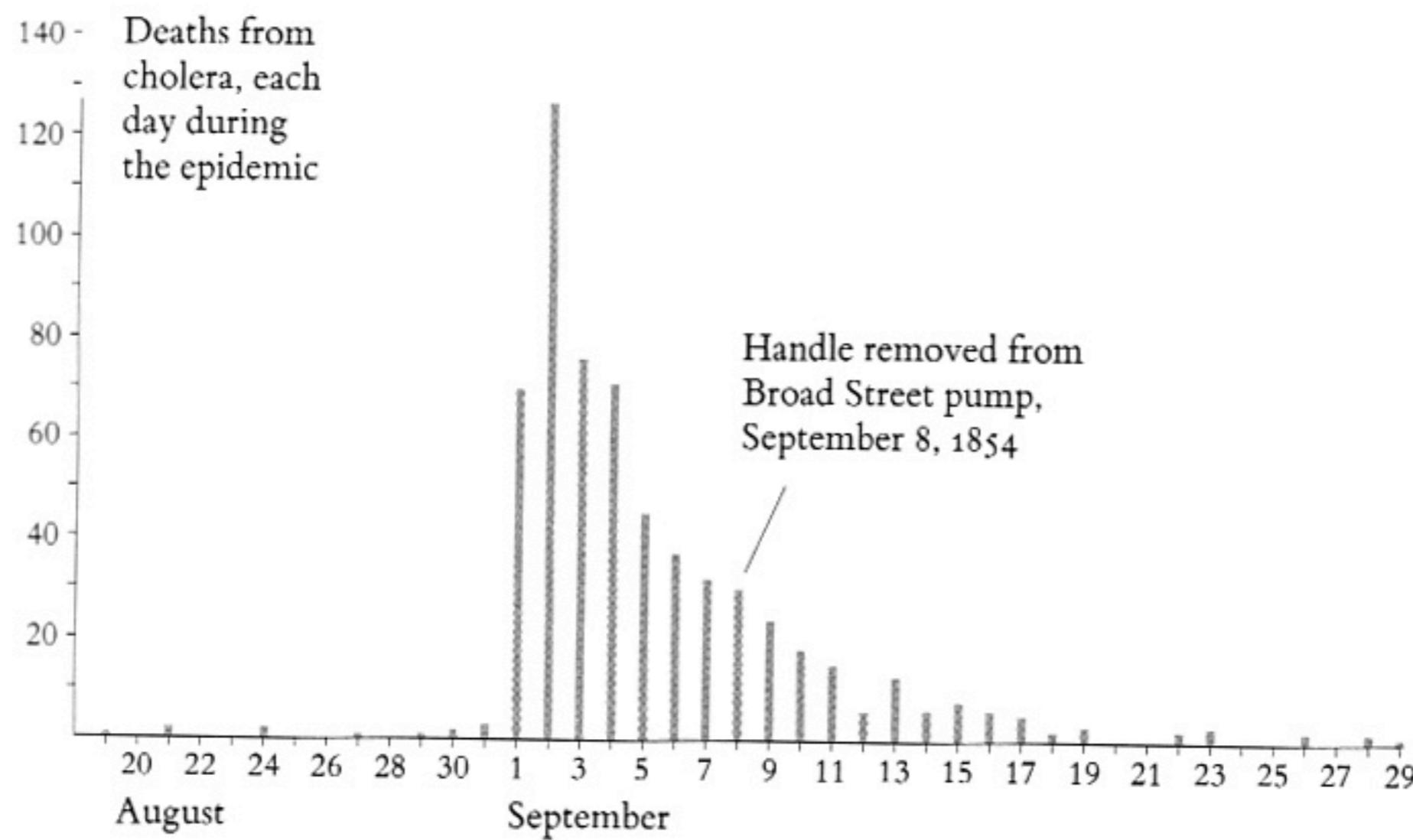


**“ Often the most effective way
to describe, explore, and
summarize a set of
numbers... is to look at
pictures of those numbers.**

Visual Display of Quantitative Information

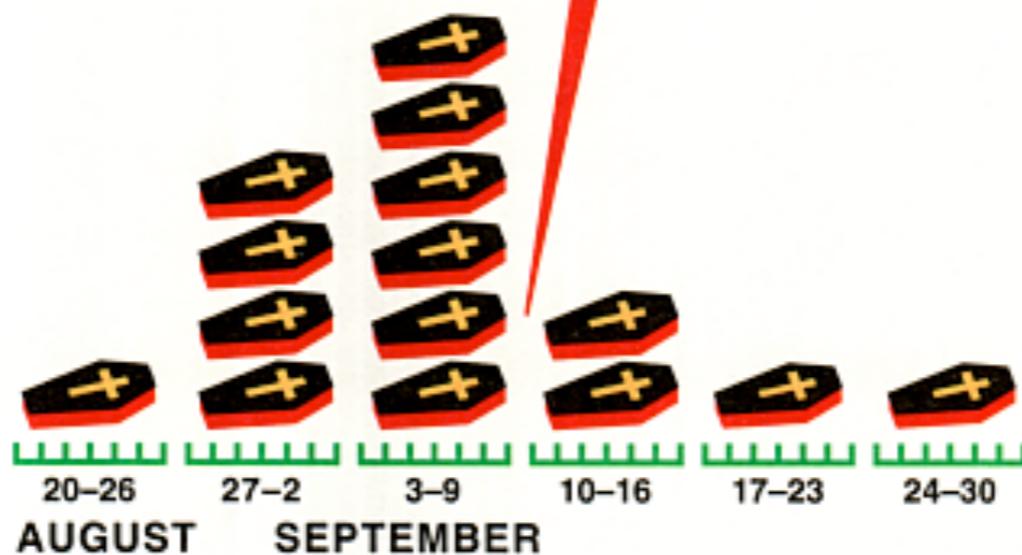








John Snow, Queen Victoria's anesthesiologist, removes handle of the Broad Street pump.

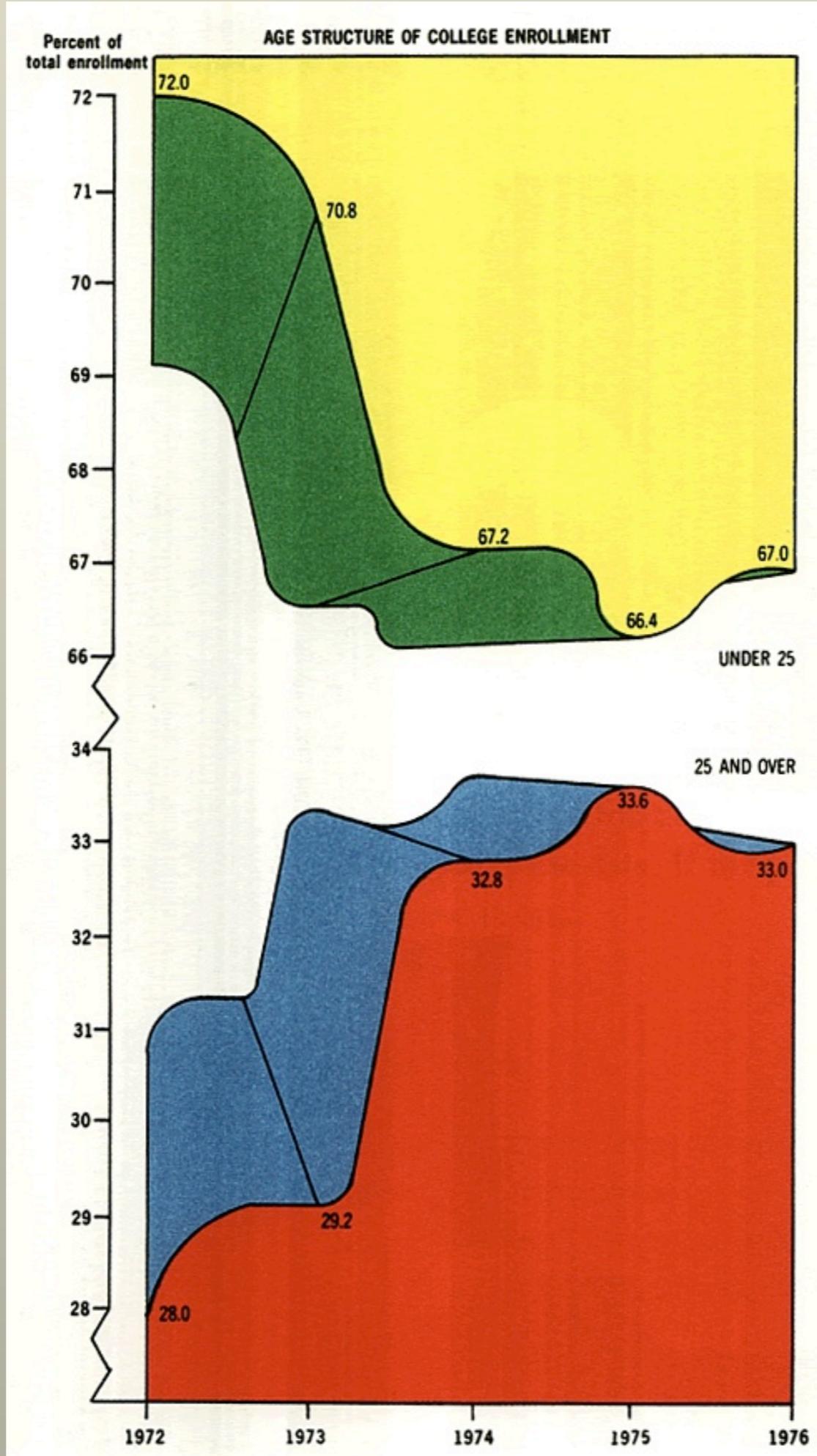


= 50 deaths

(Data rounded up to nearest whole coffin.)

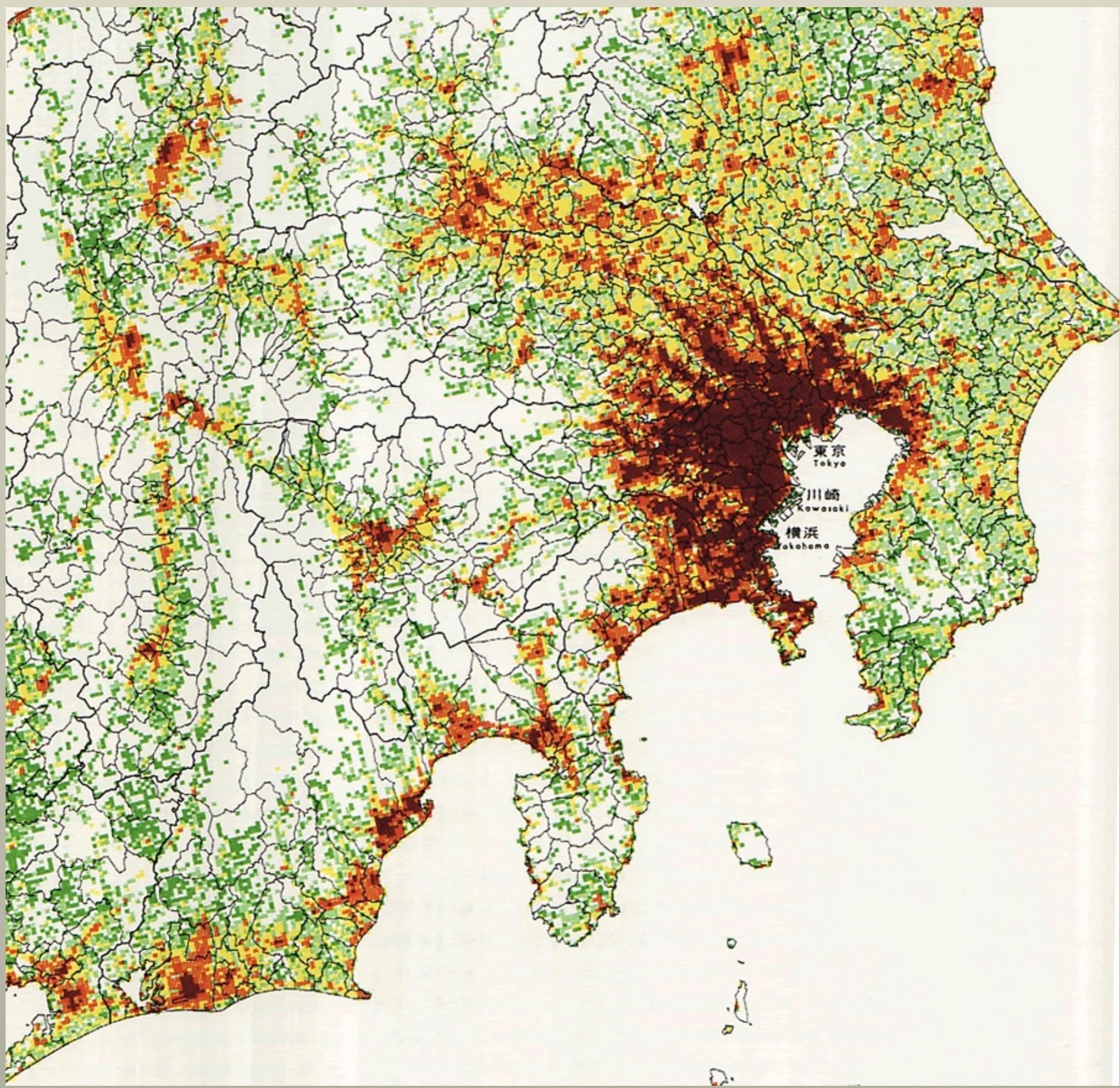
**“ Every bit of ink on a graphic
requires a reason. And
nearly always that reason
should be that the ink
presents new information.**

Visual Display of Quantitative Information 96

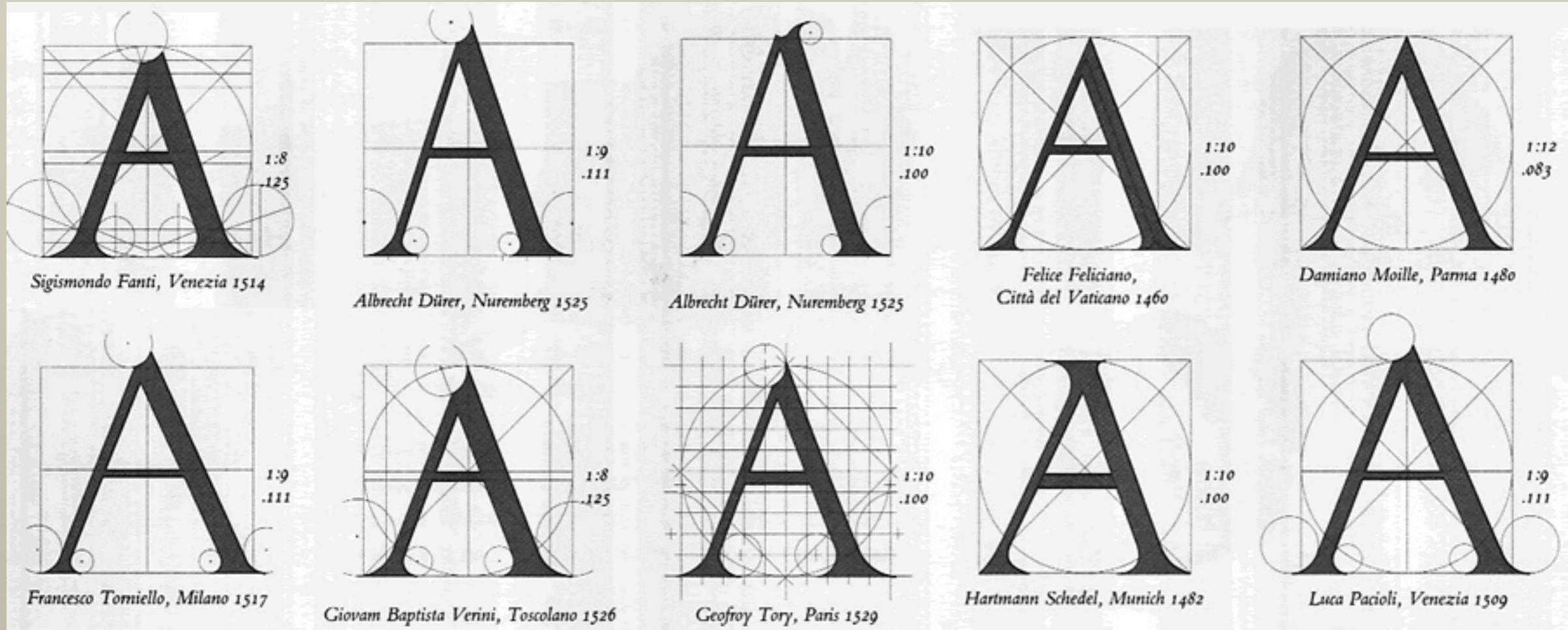


Principle 2

To clarify,
add detail







	1999.1.1	65 months	2004.4.28	low	high		2003.4.28	12 months	2004.4.28	low	high
Euro foreign exchange \$	1.1608		1.1907	.8252	1.2858	\$	1.1025		1.1907	1.0783	1.2858
Euro foreign exchange ¥	121.32		130.17	89.30	140.31	¥	132.54		130.17	124.80	140.31
Euro foreign exchange £	0.7111		0.6665	.5711	0.7235	£	0.6914		0.6665	0.6556	0.7235

Carte Figurative des pertes successives en hommes de l'Armée Française dans la Campagne de Russie 1812-1813.

Dessiné par M. Minard, Inspecteur Général des Ponts et Chaussees en retraite
Paris, le 20 Novembre 1869.

Les nombres d'hommes présentés sont représentés par les largeurs des zones colorées à raison d'un millimètre pour dix-mille hommes; ils sont de plus écrits en traits de zones. Le rouge désigne les hommes qui entrent en Russie, le noir ceux qui en sortent. — Les renseignements qui ont servi à dresser la carte ont été prisés dans les ouvrages de M. M. Chiers, de Segur, de Fezensac, de Charnbray et le journal intime de Jacob, pharmacien de l'Armée depuis le 28 Octobre.

Pour mieux faire juger à l'œil la diminution de l'armée, j'ai supposé que les corps du Prince Nérome et du Maréchal Davout, qui avaient été détachés sur Minsk et Malibow et qui rejoignirent Ossia et Malibow, avaient toujours marché avec l'armée.

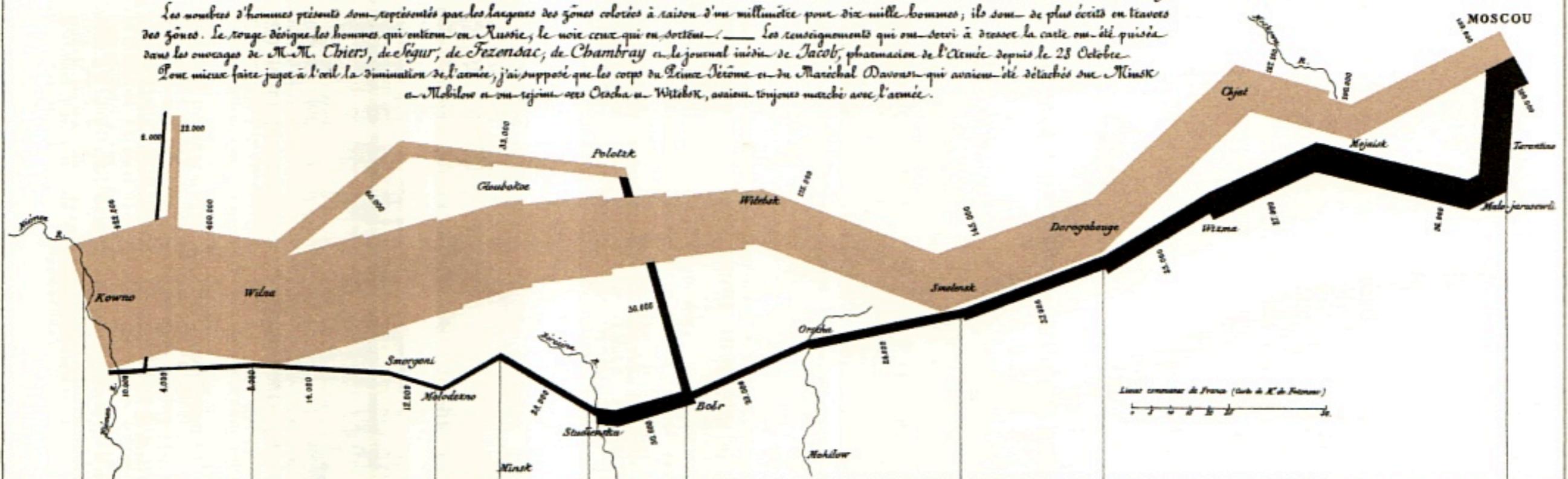
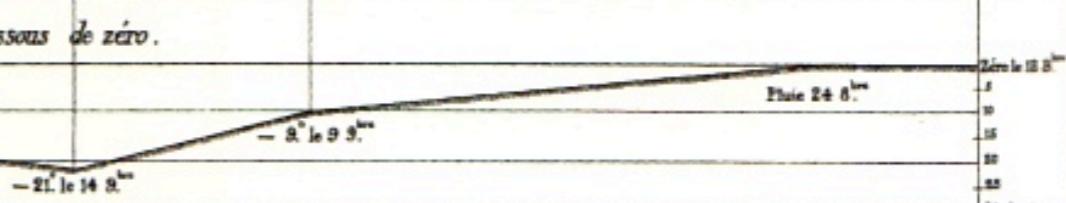


TABLEAU GRAPHIQUE de la température en degrés du thermomètre de Réaumur au dessous de zéro.

Les Champs passent en gelé.
Le Nil est gelé.

- 26° le 7 X.^{me}
- 30° le 6 X.^{me}



**“ Information-sensitive designs
are exacting and laborious,
requiring a deep appreciation
of the particular content
at hand.**

Visual Explanations 148

Principle 3

**Small multiples
invite comparisons**

Tufte iPhone Video:

[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)

“ Multiple images reveal repetition and change, pattern and surprise—the defining elements in the idea of *information*.

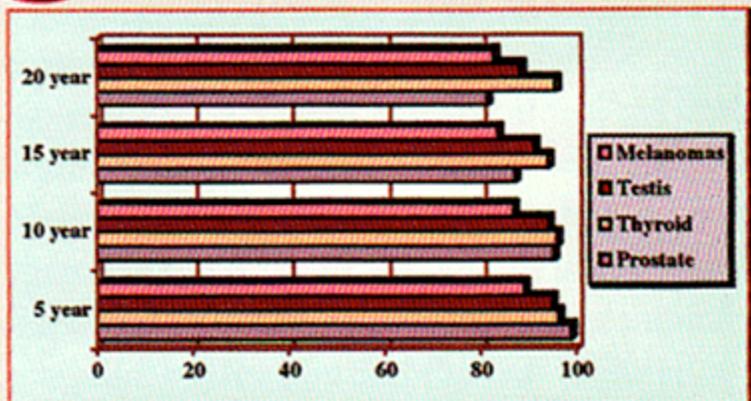
Visual Explanations 105

Principle 4

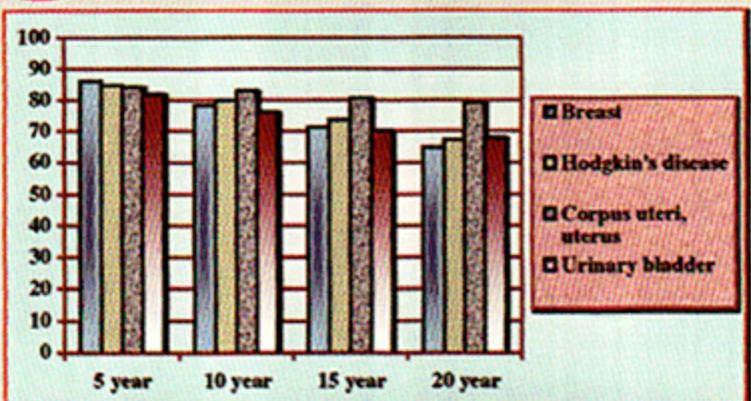
The “smallest effective difference”



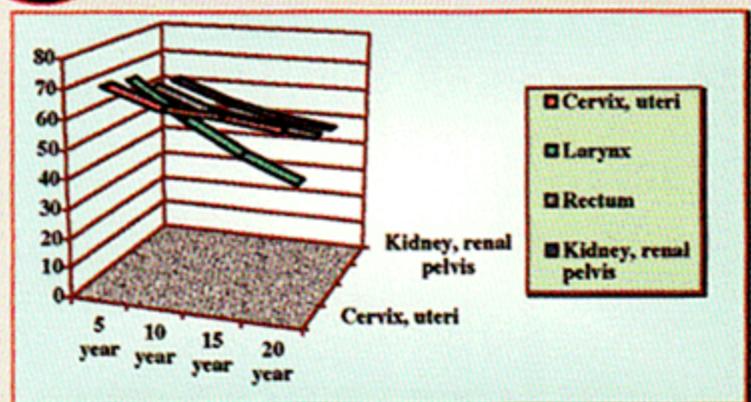
I. Cancer Survival Rates



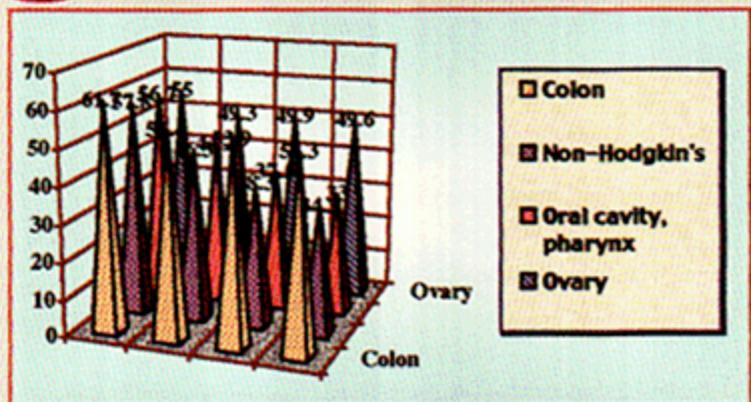
II. Cancer Survival Rates



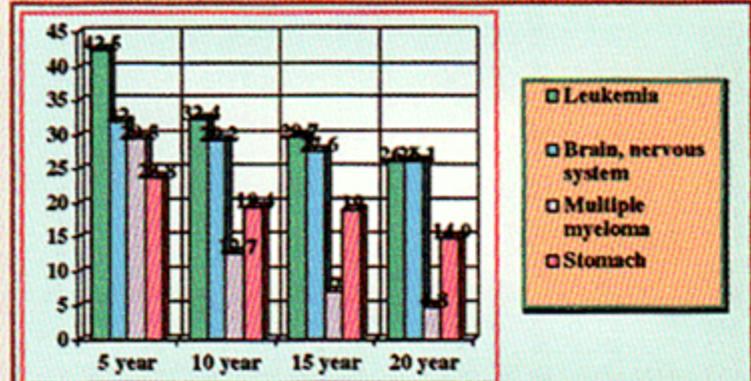
III. Cancer Survival Rates



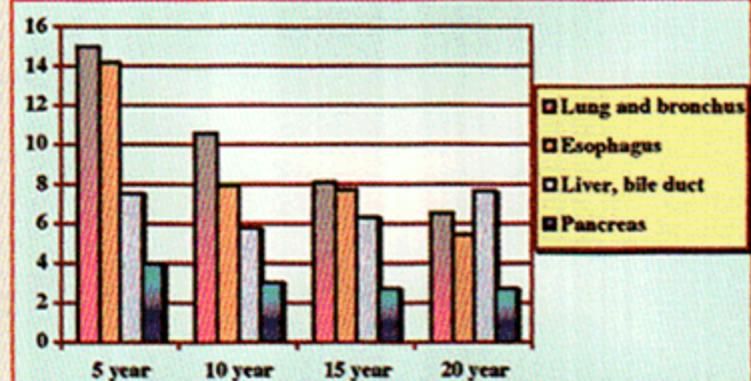
IV. Cancer Survival Rates

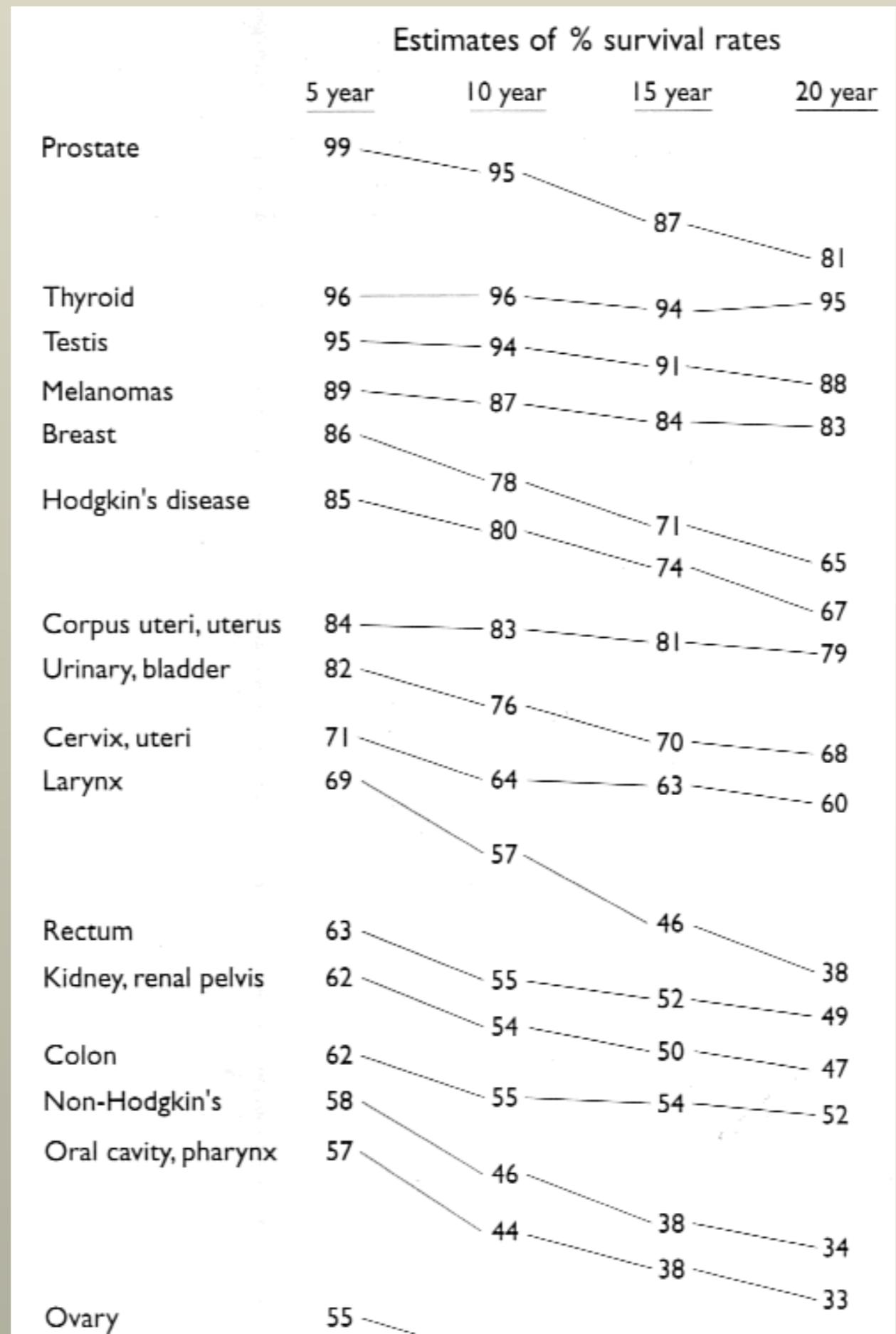


V. Cancer Survival Rates

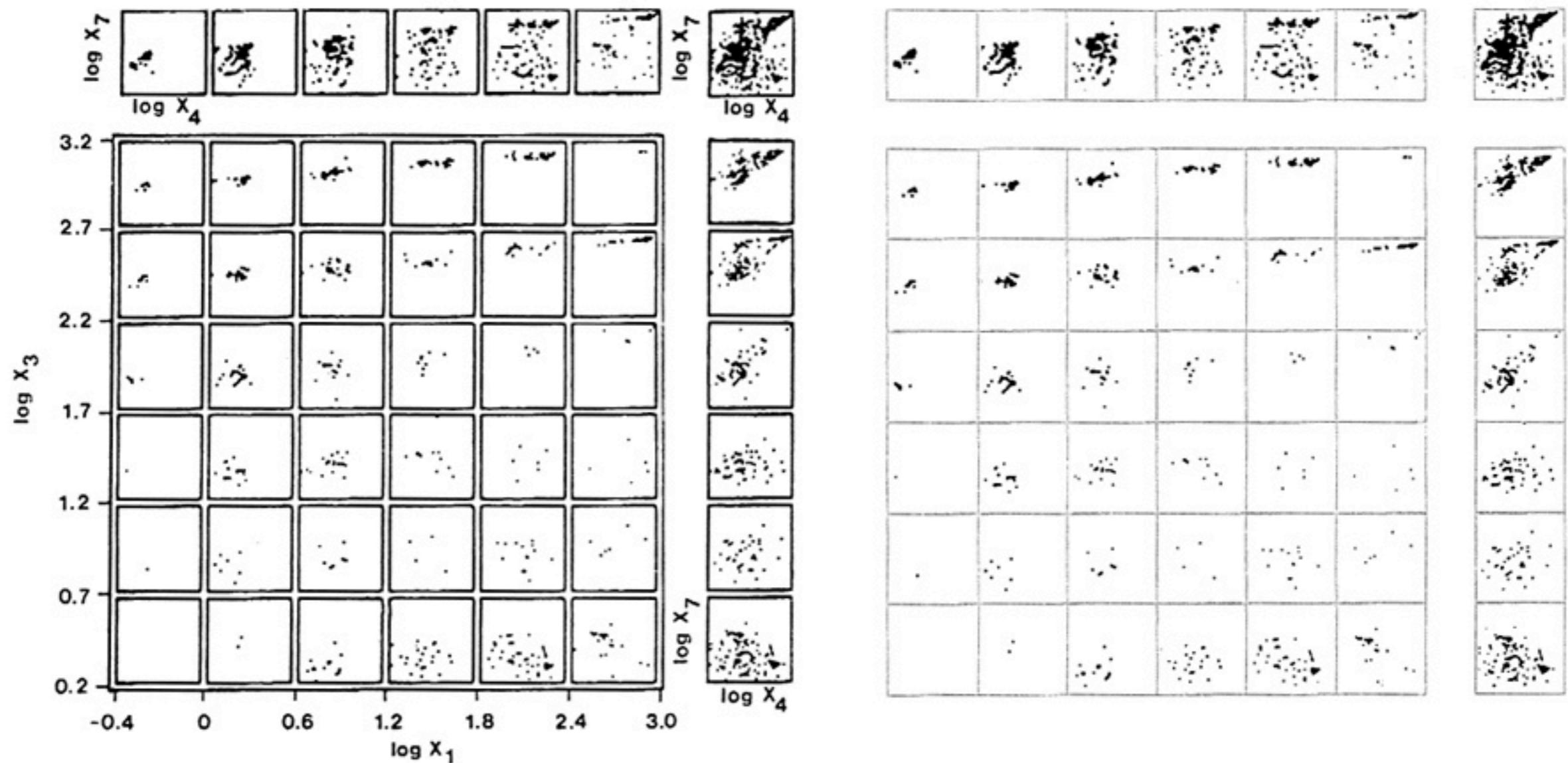


VI. Cancer Survival Rates

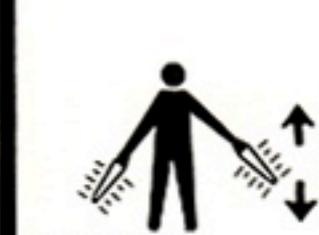
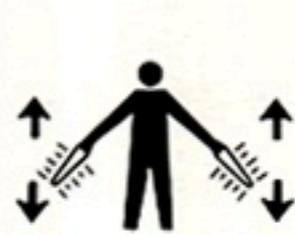
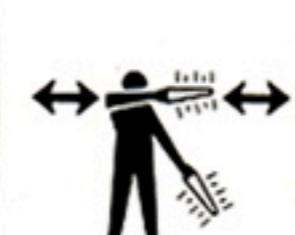
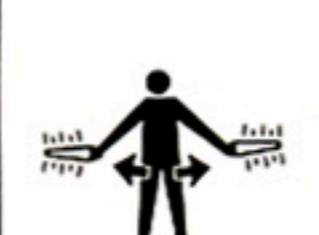
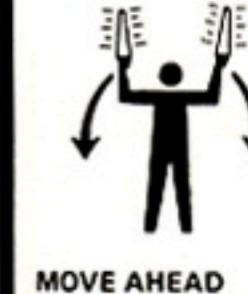




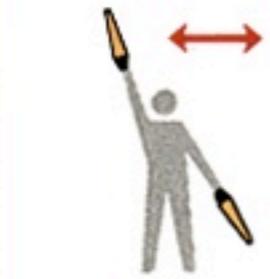
MULTIWINDOW PLOT OF PARTICLE PHYSICS MOMENTUM DATA



**Marshalling
Signals**



MARSHALLING SIGNALS



PROCEED:
WATCH SIGNALS



THIS WAY



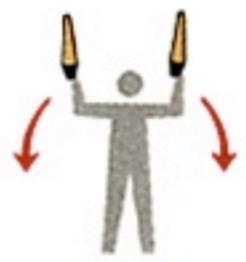
PROCEED TO
NEXT SIGNALMAN



TURN LEFT



TURN RIGHT



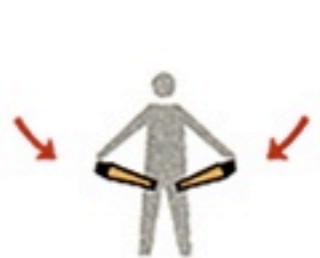
MOVE AHEAD



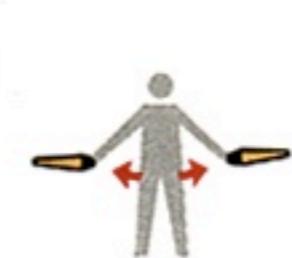
STOP



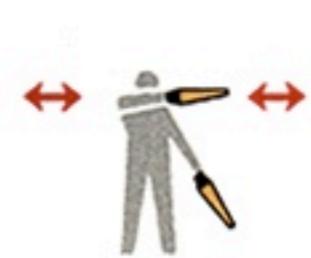
START ENGINES



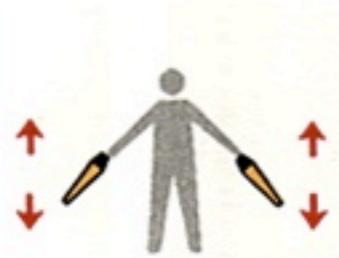
INSERT CHOCKS



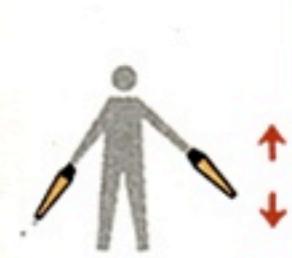
PULL CHOCKS



CUT ENGINES



SLOW DOWN



SLOW DOWN
LEFT ENGINES

“ Now what can be eliminated?

Frank Lloyd Wright

Principle 5

**Above all else,
*show the data***

Yearbook • 1839-1900

150
Years

History



Photographers

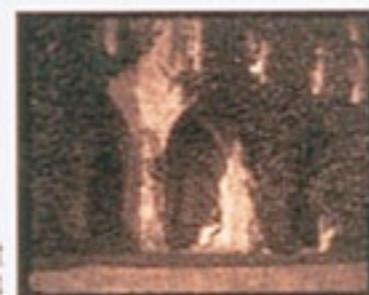


Yearbook



Technology

page 1 of 2



Fox Talbot
1844



Cameron
1866

page 2 of 2



Muybridge
1887



F.H. Evans
c.1900

Touch a Photo to View Photographer Information



1839-1900

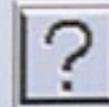
1901-1930

1931-1950

1951-Pres.



Turn Page



Help

Voice Mail from Arlene Huff (Work) (15 seconds) - Voicemail (HTML)

Message

Delete Reply Reply All Quick Steps Move Rules Mark as Unread Categorize Follow Up Translate Find Zoom Send to OneNote Play Play on Phone

From: Microsoft Outlook on behalf of Arlene Huff [arlene@contoso.com] Sent: Tue 12/16/2008 11:47 AM
To: Ankur Kothari
Subject: Voice Mail from Arlene Huff (Work) (15 seconds)

Redmond

Ankur Kothari Available

Feedback

Voicemail Preview:

Hi Ankur. This is Arlene calling from Contoso. I wanted to give you a call to discuss the work done from the vendor. Please call me back at (425) 707-2493 by Wednesday.

Thank you very much bye.

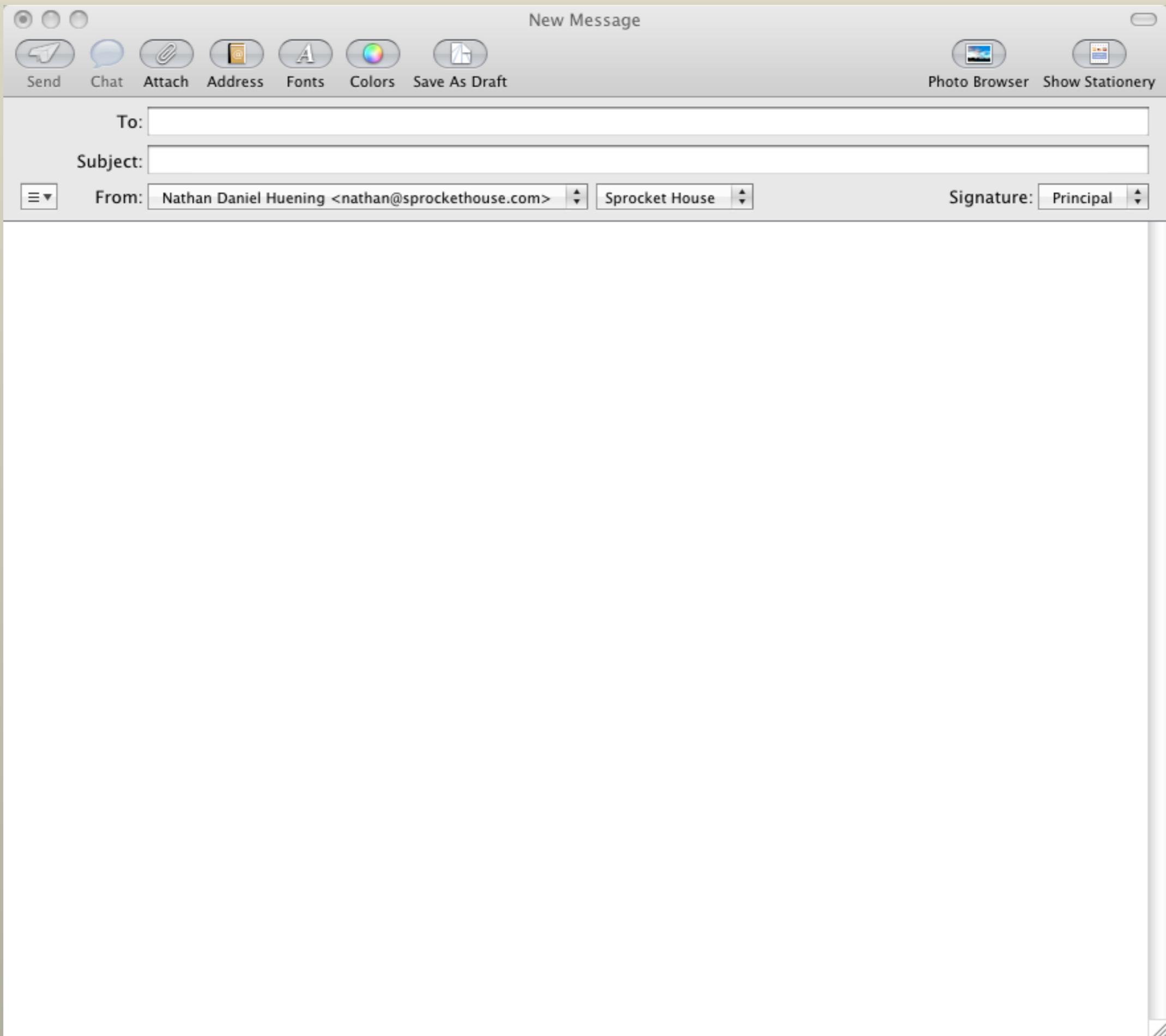
You received a voice mail from Arlene Huff at (425) 882-8080

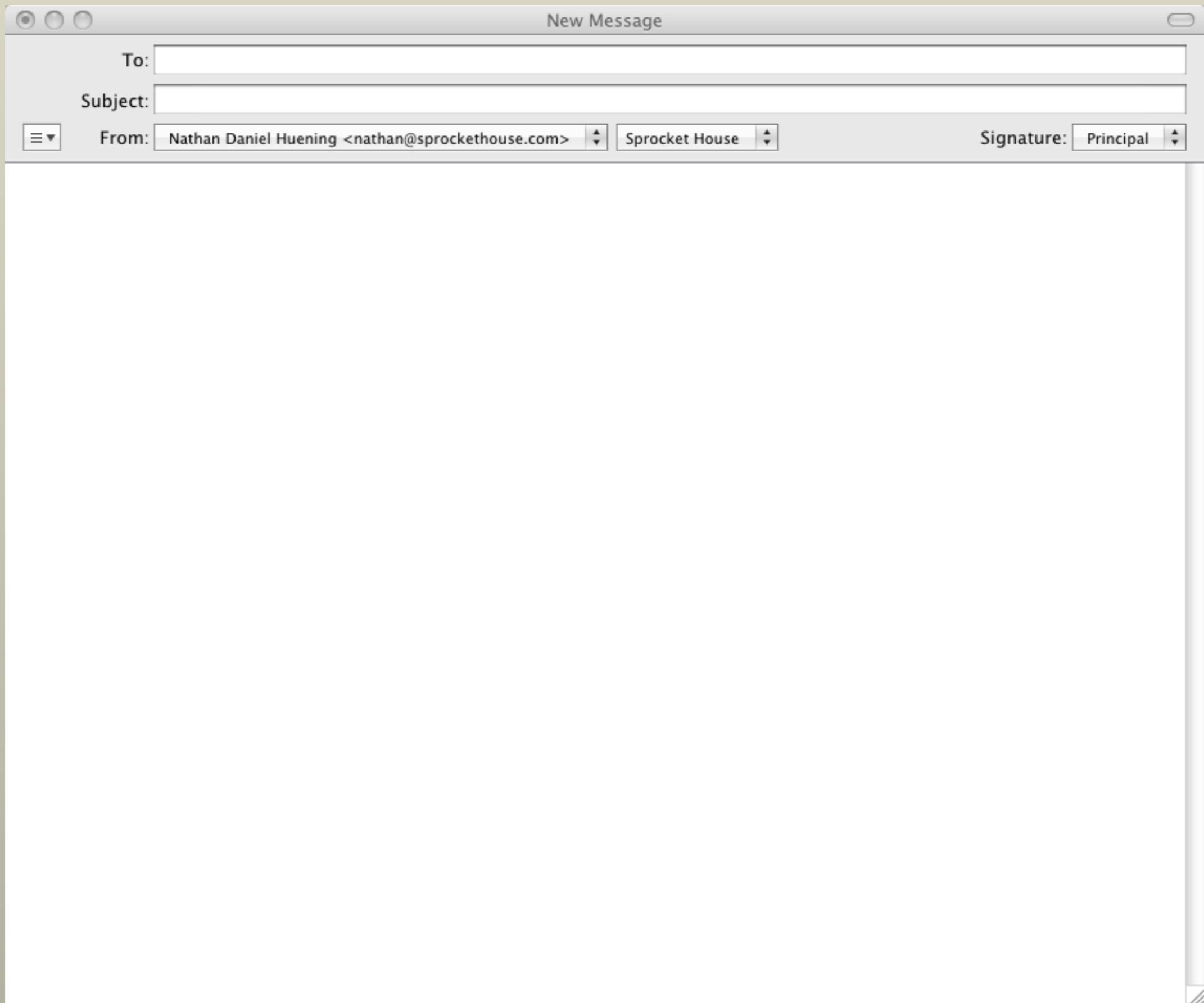
Caller-Id: [\(425\) 882-8080](#)

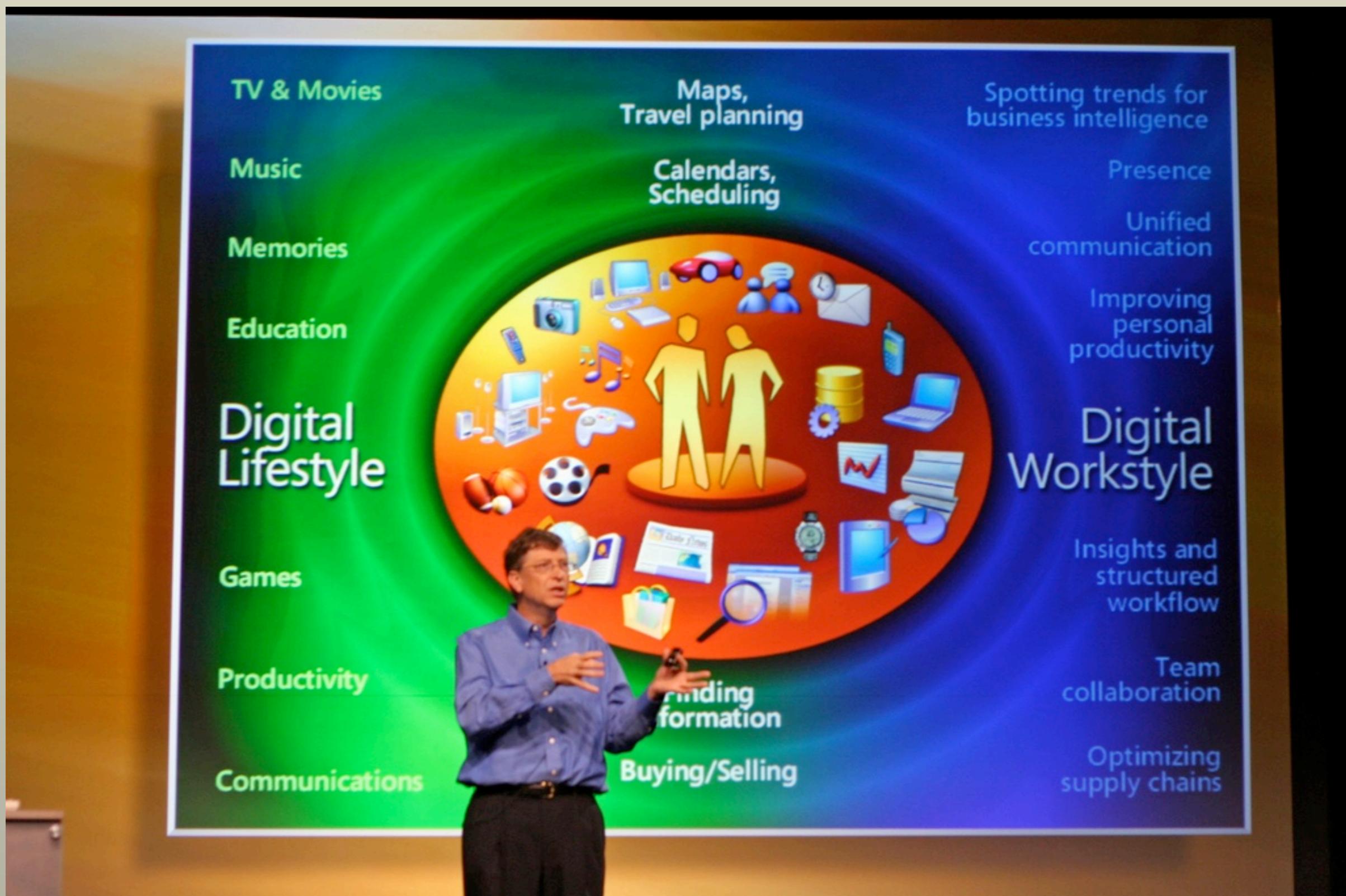
Job Title: Compliance Officer

Company: Contoso

Add Notes







Microsoft Assets

Products

Technologies

- Windows
- Windows Mobile
- Xbox
- Office
- MSN
- SQL Server
- Visual Studio
- Dynamics

- Multimedia/DRM
- Dynamic Systems Initiative
- XML/Web Services
- Mapping
- Machine learning
- Speech/Ink
- Vision
- Translation

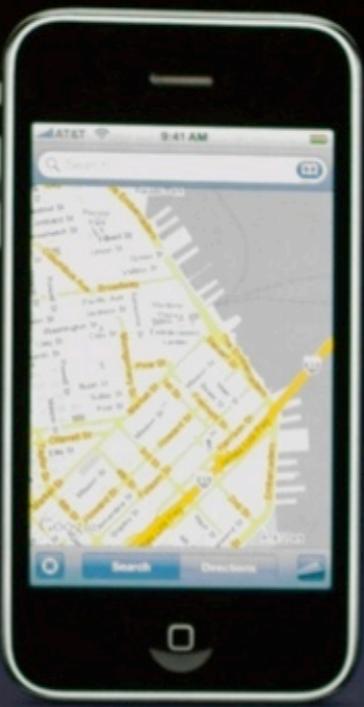


The Microsoft "Live" Platform





GPS



**“ It is all right to decorate
construction, but never
construct decoration.**

Robert Venturi *Learning from Las Vegas*

Tufte's Information Design Principles

- 1 Graphics reveal data**
- 2 To clarify, add detail**
- 3 Small multiples invite comparisons**
- 4 “Smallest effective difference”**
- 5 Above all else, show the data**

Application to Web Design

- 1 Design reveals content**
- 2 To clarify, add detail**
- 3 Design from the inside, out**
- 4 Smallest effective difference**
- 5 Above all else, show the content**

**“ Design is largely an exercise
in creating or suggesting
contrasts ... in an effort to
convey meaning.**

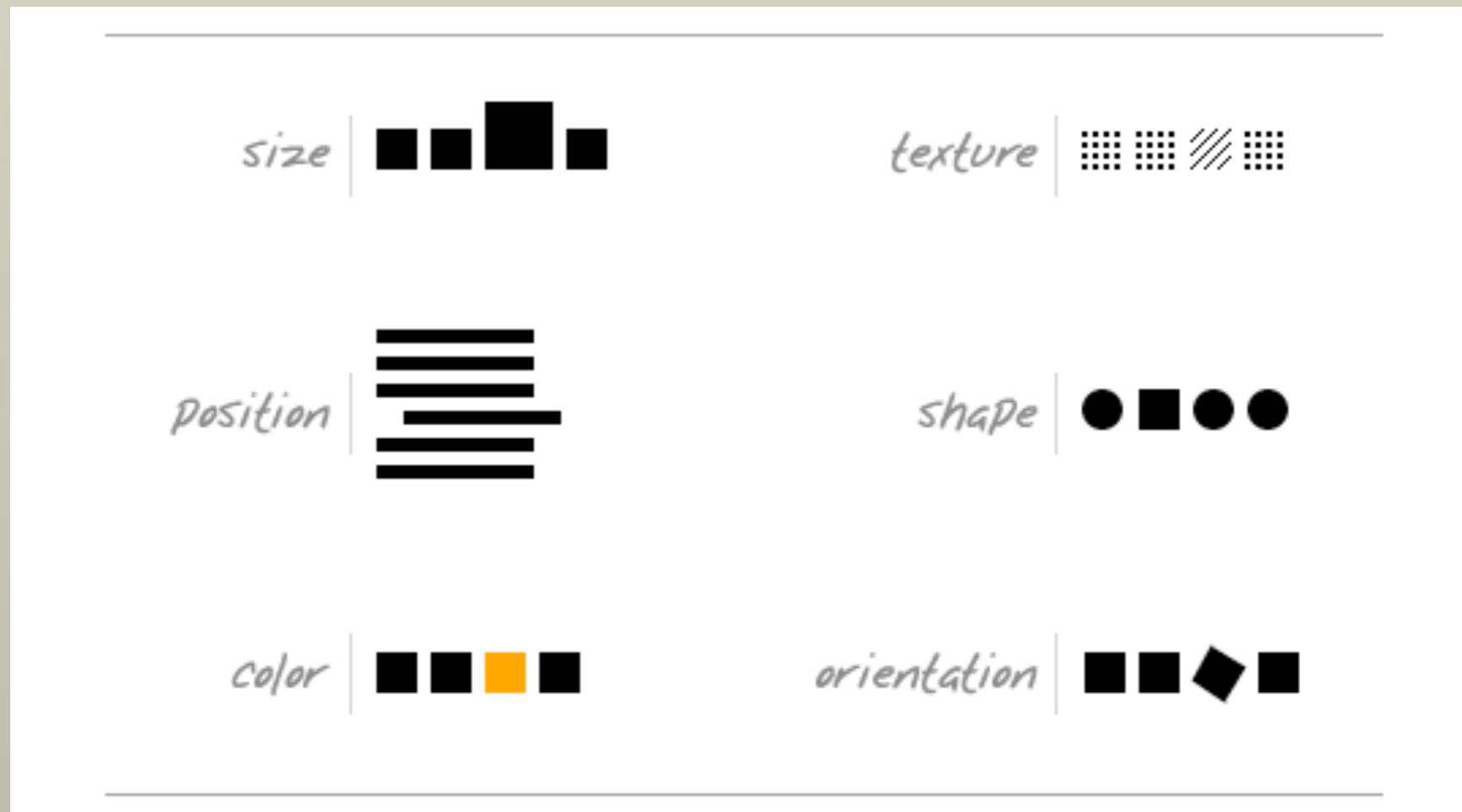
Andy Rutledge *A List Apart*

Application 1

Design *reveals* data

Contrast *reveals* data

Contrast *reveals* information



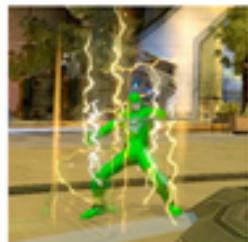
Andy Rutledge *A List Apart*

**“ Information consists of
differences that make
a difference.**

Envisioning Information 65



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Inside S.T.A.R. Labs, DC Universe Online's Chaotic Skunkworks

2 hours ago



WIRED AT COMIC-CON 2009
7 Women Who Will Rock Comic-Con

7 hours ago



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Tuna Ranch Hormone Cocktail Could Save Bluefin

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LAW
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6 hours ago

SOFTWARE REVIEW
RunKeeper Works for Data-Obsessed Cyclists, Runners

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All Wired

00



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Submarines for Everyone!

22 hours ago



SPACE
The Eclipse, Flickr-Style

11 hours ago



SPACE TRAVEL
You'll Have to Wait for Your Galactic Vacation

07.21.09



THIS DAY IN TECH
July 22, 1962: Mariner 1 Done In by a Typo

22 hours ago



GADGETS
Robo-Ethicists Want to Revamp Asimov's 3 Laws

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A VISION THING
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CROWDSOURCING
Report Federal Pork, Win a Kindle

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WIRED MAGAZINE
What's Inside Enfamil Lipil Infant Formula?

07.20.09



Latest Headlines From Comic-Con 2009

First Look: The Heath Ledger Imaginarium of Doctor Parnassus Clip

DC Comics? Johns: Green Lanterns Could Rival Batman and Superman

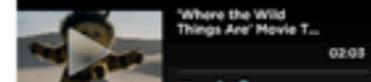
7 Women Who Will Rock Comic-Con

Comic Book Warrior Magdalena Proceeds Toward Big Screen

New Star Wars Products Catch Food Going in and Coming Out

Wired.com goes BLAMMO! at Comic-Con July 23-26

Latest Video



'Where the Wild Things Are' Movie T...

02:03



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Inside S.T.A.R. Labs, DC Universe Online's Chaotic Skunkworks

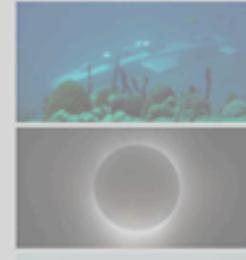
2 hours ago



WIRED AT COMIC-CON 2009
7 Women Who Will Rock Comic-Con

7 hours ago

1



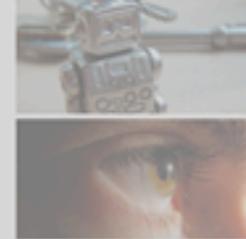
COOL SUBS
Submarines for Everyone!

22 hours ago



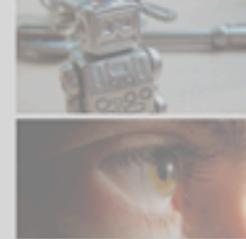
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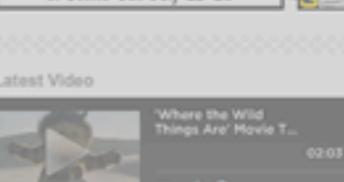
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Wired.com goes BLAMMO! at Comic-Con July 23-26

COMIC CON



'Where the Wild Things Are' Movie T...

02:03

Application 2

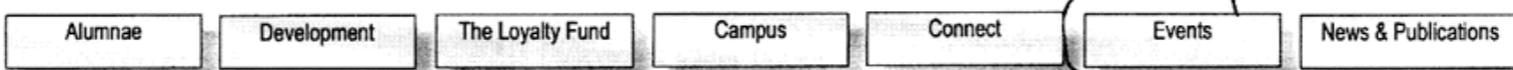
To clarify,
add detail

- 1 List your bits**
- 2 Figure out which bits relate**
- 3 Assign priorities**
- 4 Design each bit**
- 5 Assemble bits**

**Alumnae & Friends Website
Suggested Architecture for Re-design**

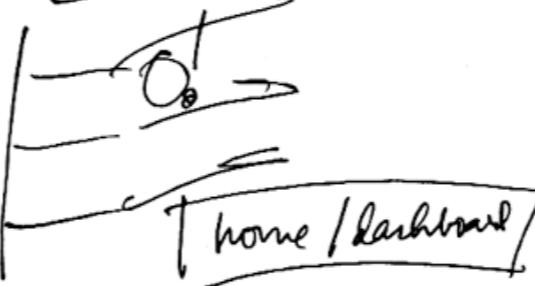
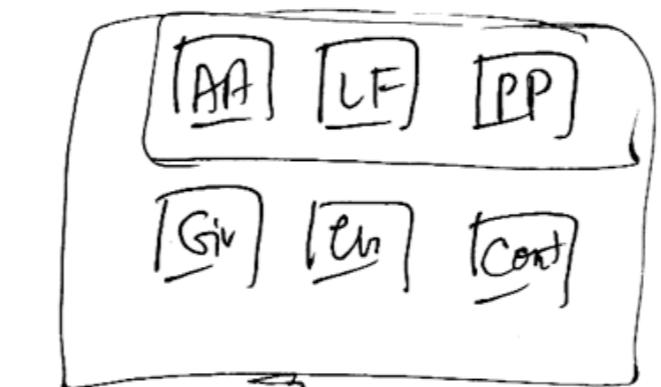
www.alumnae.peace.edu

Top Bar Links in both Dev & Alumnae sections:



- **Alumnae Affairs**
 - Alumnae Home
 - Get Involved
 - Alumnae Giving
 - Calendar of Events
 - Slideshows
 - Nominations
 - Class Notes
 - Alumnae Profiles
 - For Young Alumnae
 - Things to Do
 - Alumnae Affairs Team
- **Development**
 - Development Home
 - Promise of Peace
 - Make A Gift
 - Planned Giving
 - Ways to Give
 - Donor Recognition
 - Development Team
- **The Loyalty Fund**
 - LF Home
 - President's Circle
 - GOLD
 - Giving Societies
 - Testimonials
 - Phone-A-Thons
 - Baccalaureate Scholarship
 - Brick Campaigns
 - Volunteers
 - Students
 - Parents
 - Faculty/Staff
 - Reunions
 - LF Team

- **Campus**
 - Peace site
 - Peace profile
 - Maps & Directions
 - Tour Campus



Ways of giving

- brick campaign
- estate planning
- scholarship
- ~~recess~~
- time/volunteer
- class gift.



Result of giving
levels of giving

- president's circle
- middle
- "giving society"
- results
- testimonials
- who's giving
- GOLD → honor roll

Promise of Peace Masthead

Featured Projects

- 1) Contemporary Campus
- 2) Engaged Students
- 3) Excellent Academics
- 4) Strong Foundations

Results of Giving
("What happens to my money")

Sidebar of
Undetermined
Purpose:

Pics?
Nav?

About PoP

- 1) FAQ
- 2) Why Give?
- 3) PoP Team

Press Room/Releases

Visual
Information /
Data Graphics /
Statistics

Give!

Promise of Peace Masthead

Featured Projects

- 1) Contemporary Campus
- 2) Engaged Students
- 3) Excellent Academics
- 4) Strong Foundations

Results of Giving
("What happens to my money")

Visual Information /
Data Graphics /
Statistics

About PoP

- 1) FAQ
- 2) Why Give?
- 3) PoP Team

Press Room/Releases

Footer

Promise of Peace

PRIORITIES

[Excellent Academics](#)

[Engaged Students](#)

[Contemporary Campus](#)

[Strong Foundations](#)

ABOUT

[Case Statement](#)

[Message from the President](#)

[10 Ways to Give](#)

[Naming Opportunities](#)

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[Campaign Cabinet](#)

[Media Kit](#)

[Development Contacts](#)

RESULTS OF GIVING

1. Excellent Academics
2. Engaged Students
3. Contemporary Campus
4. Strong Foundations

PROGRESS

Excellent Academics

\$284,650

Goal: \$3,750,000

Engaged Students

\$2,435,211

Goal: \$3,750,000

Contemporary Campus

\$6,205,068

Goal: \$16,050,000

Strong Foundations

\$5,023,062

Goal: \$6,450,000

Promise of Peace

ABOUT

[FAQ](#)

[Case Statement](#)

[Message from the President](#)

[Naming Opportunities](#)

[Campaign Cabinet](#)

[Development Contacts](#)

*10 Ways
to Give*

CAMPAIGN PRIORITIES

Excellent Academics

\$3,750,000 to support curriculum development, faculty development, faculty sabbaticals and research, and introduce new professorships and endowed department chairs

Engaged Students

\$3,750,000 in scholarship and aid funds, international and cross-cultural funding, and funds for student advising, mentoring, research, and service learning

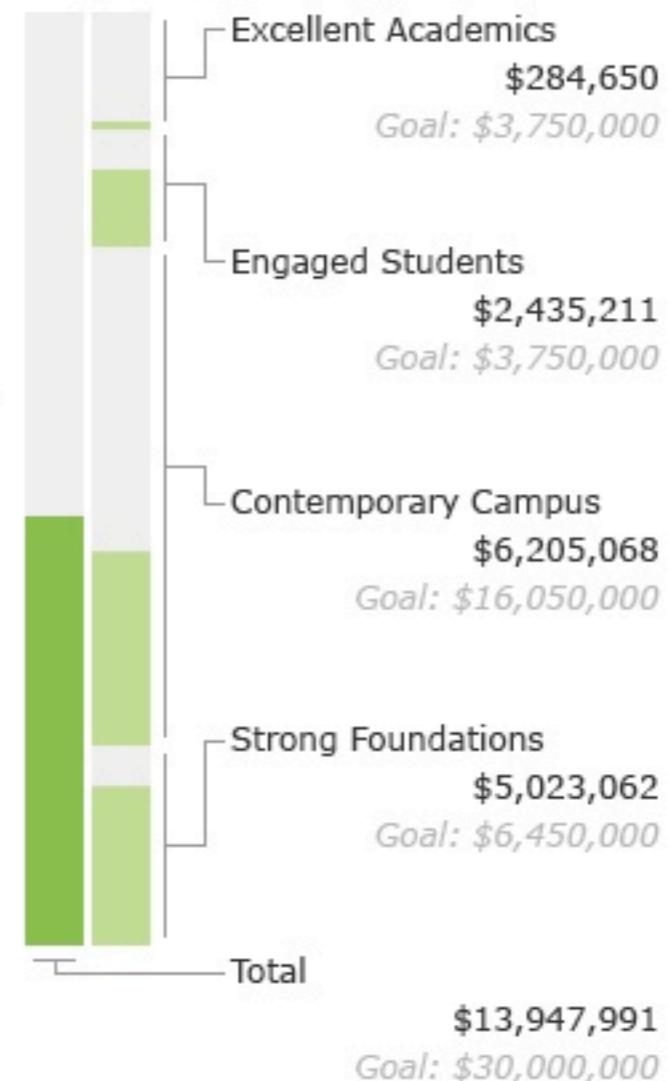
Contemporary Campus

\$16,050,000 to support facilities improvements, Finch Library renovation and expansion, Pressly Arts & Sciences Renovations, and attract 21st century millennials

Strong Foundations

\$6,450,000 for unrestricted endowment funds, the Sesquicentennial Commemoration, special projects and priorities, and Promise of Peace campaign expenses

PROGRESS



Promise of Peace

About

[FAQ](#)

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*10 Ways
to Give*

Priorities

Excellent Academics

\$3,750,000 to support curriculum development, faculty development, faculty sabbaticals and research, and introduce new professorships and endowed department chairs

Engaged Students

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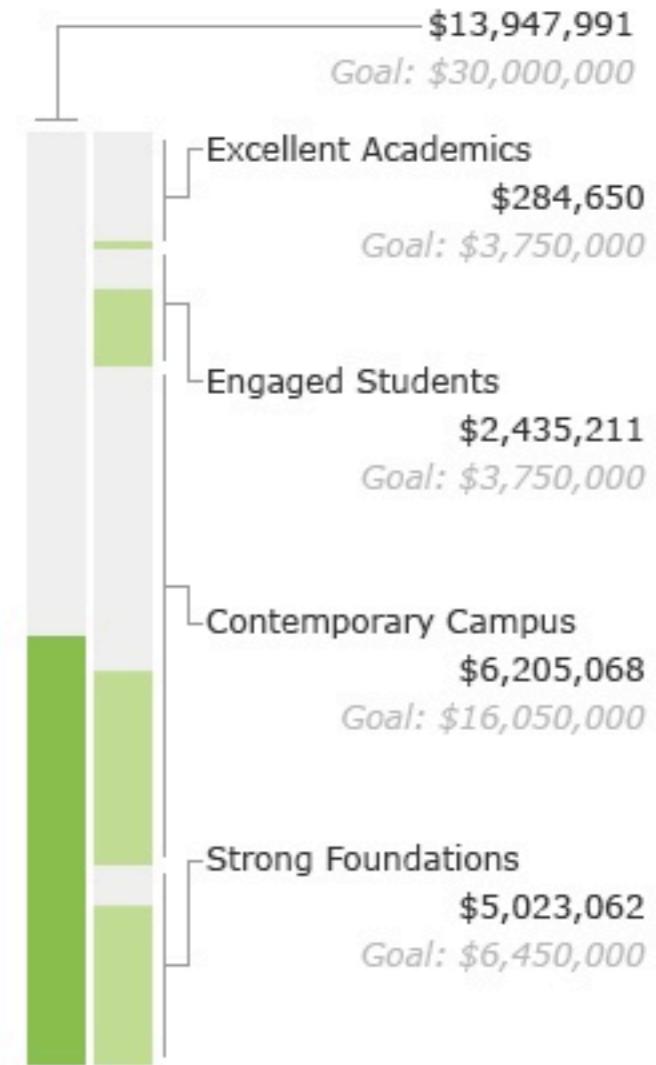
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Strong Foundations

\$6,450,000 for unrestricted endowment funds, the Sesquicentennial Commemoration, special projects and priorities, and Promise of Peace campaign expenses

Dashboard




**THE
PROMISE
OF PEACE**

[About Promise of Peace](#)

[Overview](#)

[Case Statement](#)

[Message from the President](#)

[Donor Stories](#)

[Finch Library Construction](#)

[Media Kit](#)

[Campaign Cabinet](#)

[Campaign Priorities](#)

**ALUMNAE
WEEKEND**



Priorities

EXCELLENT ACADEMICS

\$3,750,000 to support curriculum development, faculty development, faculty sabbaticals and research, and introduce new professorships and endowed department chairs

ENGAGED STUDENTS

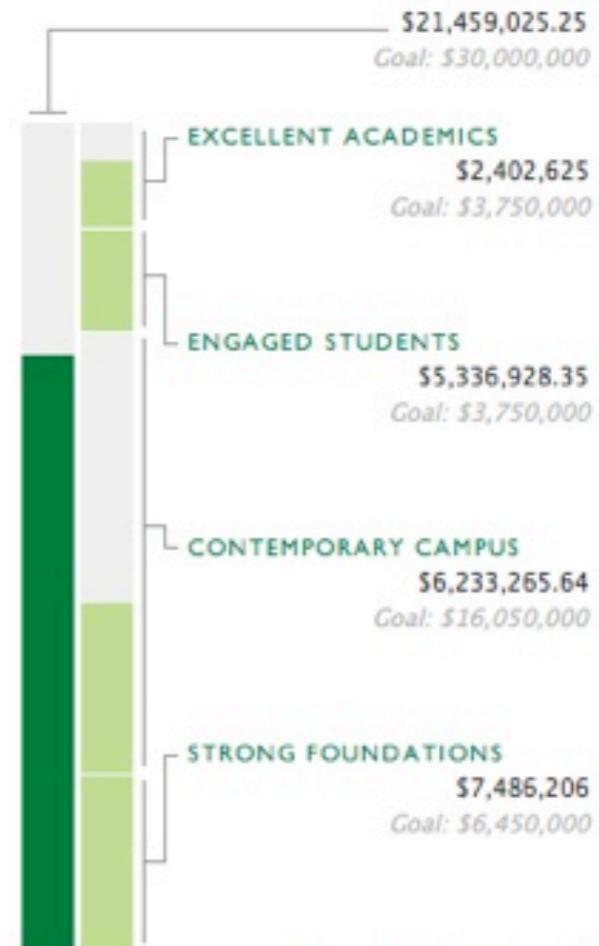
\$3,750,000 in scholarship and aid funds, international and cross-cultural funding, and funds for student advising, mentoring, research, and service learning

CONTEMPORARY CAMPUS

\$16,050,000 to support facilities improvements, Finch Library renovation and expansion, Pressly Arts & Sciences Renovations, and attract 21st century millennials

STRONG FOUNDATIONS

\$6,450,000 for unrestricted endowment funds, the Sesquicentennial Commemoration, special projects and priorities, and Promise of Peace campaign



Campaign progress, July 9

Peace College Alumnae & Friends

BUILDING A LIFELONG RELATIONSHIP WITH OUR ALUMNAE AND FRIENDS

Welcome to the Peace College Office of Development & Alumnae Affairs! Through the Alumnae Association Board, Alumnae Affairs Office, Class Notes, Volunteer Opportunities and a range of events, Peace alumnae remain connected and involved in their alma mater year after year. Quite simply, we exist to connect you, our alumnae and friends, to the College and to each other.

FEATURED EVENT



Durham Bulls Alumnae & Friends Night

6:00pm, August 8, 2009

Durham Bulls Athletic Park

Please mark your calendars for Saturday, Aug. 8th at 7 p.m. for a Peace night at the Durham Bulls Ballpark! Complete with a picnic and fireworks in the Miller Lite Bull Pen, we will host all Peace alumnae, family,...

[Read more](#)



ALUMNAE AFFAIRS

- Home
- News
- Newsletters
- Events Calendar
- Slideshows



THE LOYALTY FUND

- Home
- About the Loyalty Fund
- Giving Societies
- Honor Roll of Donors
- Reunion Web Pages



PROMISE OF PEACE

- Home
- Case Statement
- Campaign Priorities
- Newsletters
- Press Releases

Peace College
15 East Peace Street
Raleigh, NC
27604-1194

Main: 1-800-PEACE-47
Local: 919-508-2000

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Home

- [Alumnae Affairs](#)
- [The Loyalty Fund](#)
- [Promise of Peace](#)

Application 3

Employ the *smallest effective difference*



Box Header

Nam cursus varius mi. Suspendisse vitae diam non tortor viverra suscipit. Vivamus molestie. Integer eros. Aenean auctor vehicula nunc. Nulla vestibulum orci consequat tortor. Nunc pulvinar turpis vel ipsum. Pellentesque molestie commodo libero. In mattis nisl vulputate est. Sed condimentum tellus a justo. Donec non sapien. Nunc erat. Quisque congue lobortis metus. Nullam lobortis magna eget dolor. Aliquam erat volutpat. Sed ornare condimentum elit.

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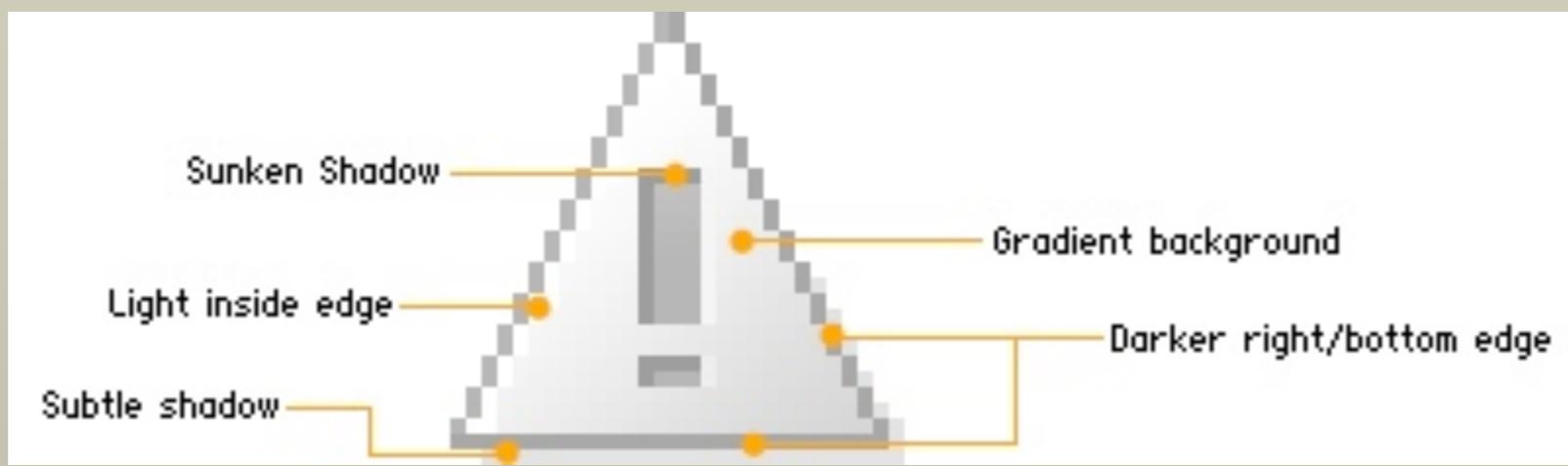
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1 White Pixel Line
at the top of the Drop Shadow

100% Zoom

Box He

Nam curs



Dan Cederholm *simplebits.com*



Doug Bowman stopdesign.com

MAKE YOUR MONEY
GO FARTHER.

Continental Airlines

The New York Times

Thursday, July 23, 2009 Last Update: 12:31 AM ET

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Continental Airlines

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U.S.POLITICS
N.Y./REGION
BUSINESS
TECHNOLOGY
SPORTS
SCIENCE
HEALTH
OPINION

ARTS

Books
Movies
Music
Television
Theater

STYLE

Dining & Wine
Fashion & Style
Home & Garden
Weddings/
Celebrations

TRAVEL

Blogs
Cartoons /
Humor
Classifieds
Corrections
Crossword/
Games
Education
First Look
Learning
Network
Multimedia
NYC Guide

Obama Moves to Reclaim the Debate on Health Care

By SHERYL GAY STOLBERG and JEFF ZELENY 1 minute ago

President Obama sought to convince an increasingly skeptical American public that



James Hill for The New York Times

HEALTH OPINION

ARTS

Books

Movies

Music

Television

Theater

STYLE

From Drug Industry

• Obama Criticizes Arrest of Harvard Professor

In China, a Rocky Ascent for Basketball

By DAN LEVIN

China's troubled professional league may hold lessons for the N.B.A. as it taps into the

U.S. Is on Aims, Not Kyrgyz Abuses

J. LEVY

pressive practices, President Kurmanbek Bakiyev has asked from President Obama for reversing a decision to close an American air base.

Bush and Obama Emphasize the Positive

DENY

Obama said the U.S. was on track to withdraw all forces from Iraq by next August.

• Video: Iraqi Leader Visits With Obama

Court Redraws Disputed Area in Sudan

By SHARON OTTERMAN

An international court redefined the borders of a disputed oil-rich region between north and south Sudan.

• Times Topics: Sudan

Summer Camp '09: A Swim, a Cough, a Quarantine

By TAMAR LEWIN

Tamiflu and hand sanitizer are added to the usual routines of water activities and arts and crafts.



OPINION »

HAPPY DAYS

The Doctor Is Within

Years of contact with the Dalai Lama reveal a man less metaphysical than practical, writes Pico Iyer.

PERSONAL TECH »

Cellphone Grips Worthy of Congress's Time

Unfair practices include text-messaging fees, double billing and international roaming charges.

Cameras for Going Off the Deep End

Cameras that won't suffer when you're swimming.



MARKETS »

At 12:41 AM ET

JAPAN

CHINA

Nikkei

HangSeng

9,830.34

Shanghai

+107.18

19,696.97

+1.10%

3,319.22

+448.80

+22.60

+2.33%

+0.69%

Data delayed at least 15 minutes

GET QUOTES

My Portfolios

Stock, ETFs, Funds

Go

The New York Times

Small Business GO ▶

Today, your blood
will travel 12,000 miles.



“ I've never liked the adage *Less is more*... I say *Less is better*, which is neither cute nor clever, but almost always true.

John Gruber *Independent Days*

Application 4

Design from the
inside, out



Warren Parsons Photo



Renter
Advantage #34
Low Maintenance
Landscaping

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salisburyTM
homes

comfortable quality homes

news

[loan calculator](#)



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features
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news



Loaded with **FREE** features

Some of the [standard features included on every Salisbury home](#):

- Category 5 Computer Network Wiring
- 16"x7" MARTIN® 2-Car Garage Door
- Solid Oak Face Cabinets
- Wilson Art® Countertops in Kitchen & Bathrooms
- Magic Chef® Electric Range, Maytag® Dishwasher, & Rangehood (Bronze package)
- 40-Gallon Water Heater

[More standard features ...](#)



Enjoyable communities

All Salisbury Homes communities have spacious lots with enjoyable benefits such as [clear streams, protected streets, and much more](#).

With [plenty of available communities to choose from](#), you'll find the community that best suits your family.

Some communities have [up to 85 available lots!](#)



[View our most popular floor plans](#)

Search by category:

(Multi-Level)

(Rambler)

(Two-Story)



Data Migration

Complete, secure, flexible image migration services that handle any kind of legacy PACS data

[Overview](#)[Reasons to Migrate](#)[Turnkey Solutions](#)[Hyper-Migration](#)[Get Started](#)

Data Migration Solutions

Reasons to Migrate



As diagnostic imaging technologies advance, and hospitals upgrade to these new solutions, clinicians require the legacy data be available through the new imaging

environment. Moving the data or "priors" to a more robust, capable and powerful environment helps them facilitate better patient care through seamless, accessible, expedited data access.

[» Details](#)

Turnkey Migration Solutions



DataFirst DICOM image migration services are completely automated, fully customized and infinitely configurable to meet the specific requirements of your organization.

From project inception through sample testing to final closeout, a dedicated team of migration engineers and other resources are available to answer questions, discuss protocols and deliver results.

[» Solutions](#)

Hyper-Migration

The DataFirst Approach

We can migrate data from multiple types of legacy storage including Tape, Magneto Optical Disk (MOD), CD, DVD, and spinning disk.



Legacy Archive



Datafirst DICOM Server



LEGACY DICOM DATA?

We start with source data from any system—broken, old, slow, unreliable, or intermittent.

DATAFIRST MIGRATION ENGINE

Our software creates a computerized bridge between the old and new systems.

TARGET DICOM SYSTEM

All migrations are continuously monitored to provide responsive feedback and maintain exceptional quality.



Data Migration.

Complete, secure, flexible
migration services that handle any
kind of legacy PACS data

Innovative DICOM Solutions for 20 Years

DataFirst is a solutions-based
software engineering firm located in
historic Raleigh, NC. Our primary
goal is to provide specialized DICOM
tools to enhance your business.

[» Read More](#)

Archival Storage.

Fully-automated, sophisticated,
robust, data archival storage
systems for companies of every size

Our Products

- [Data Migration](#)
- [Archival Storage](#)
- [Custom Solutions](#)

Contact Us

Tel: 1-800-634-8504
Fax: (919) 876-6651
Sales@DataFirst.com

The DataFirst Advantage

1. EXCEPTIONAL EXPERIENCE

DataFirst has been providing our OEM channel partners and direct customers with breakthrough products for more than two decades.

2. ADVANCED TECHNOLOGY

DataFirst has always focused on protecting, securing and migrating data using only the most effective methods available.

3. COMPREHENSIVE SUPPORT

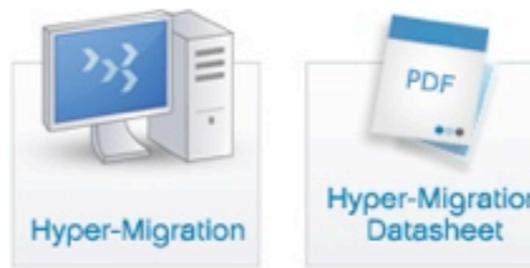
DataFirst's full-time, in-house support team gives you maximum flexibility to adapt to new and evolving markets.

[» Discover the DataFirst Advantage](#)

Spotlight on: Hyper-Migration

MIGRATING YOUR DICOM DATA QUICKLY & SAFELY

DataFirst Hyper-Migration is a cost-effective upgrade option to conventional DICOM data migration. For organizations that can benefit from the service, DataFirst moves data from the legacy PACS system to the target system rapidly with minimal resources:



**“ Copywriting is interface
design. Great interfaces are
written. Good writing is
good design.**

37Signals Getting Real

Application 5

**Above all else,
*show the content***

Healthcare reform tops agenda for Obama's prime-time news conference

Budget to reshape the Golden State

Judiciary panel delays Sotomayor vote; Leahy expects confirmation

President pushes hard on health

Charges dropped against black Harvard scholar

Senate vote blocks plan to add F-22s

Measure to Expand Gun Rights Falls Short in Senate

Gates speaks to an interviewer he knows well

California dodges bullet with budget deal--for now
Automakers warn against reversing dealer cuts

Michelle Obama attends new teachers White House reception
California officials pass landmark measure to
Ron Bloom tells Congress: Don't reverse dealer cuts
Polit. Specter, Toomey even in Pa. Senate race
Anti-tax CEO says Presidents' tax law is

Millions Greet Solar Eclipse in Asia With Excitement, Religious Fervor

North Korea, counter-terrorism take ASEAN centre stage

Biden pledges support for Georgia

Honduras Crisis Talks Postponed

Pakistan Looks at Swat and Sees India

UN to Israel: Freeze 'natural settlement growth'

Darkness falls in Asia during total eclipse

Pakistanis fighting the Taliban press for military backup

Zelaya supporters rethink Honduras sanctions

Continental Airlines Relents, Apologizes For Frisking Kalam

Clinton fears NKorea-Myanmar nuclear links

Key Sri Lankan road is re-opened

Police issue search warrants on northeast Asia situation

South Sudan says it 'Will Respect' International Ruling

Antiterror Campaign in Indonesia Comes Under Question

Chinese Migrants Relocate on Northeast Asia Situation

Police issue search warrants of Jakarta hotel bombing suspect

Contador spoils the Schleck party

Authorities Not Investigating Roethlisberger

Michael Jackson Planned To Co-Direct Film About Orphan's Life Story

Movie deal could strengthen hold on Jackson estate

NFL looks into allegations against Roethlisberger

Add a personal message:

Twins-Athletics Preview

Yankees are all alone in first place

Mischa Barton 'Making Improvements,' Says Rep

Charges against Kiefer Sutherland over Jack McCollough head-butt...

Werth's walkoff homer in 13th lifts Phils over Cubs for 10th ...

Dodgers rout Reds after Manny scare

Boise State to the Mountain West? Perhaps

O'Bannon vs. NCAA

Paula Watch ramps up for 'Idol' judge contract

Hailey Glassman has love for Jon Gosselin, but 'no respect' for Kate

Sam Raimi to direct Warcraft flick

Rock legends to perform at Rock & Roll Hall of Fame induction

Treasurys Down As Upcoming Debt Supply Overshadows Bernanke

TOPWRAP 2-Solid results hint at recovery; Bernanke wary on jobs

Delta narrows Q2 loss to \$257M

Morgan Stanley Reports 3rd Straight Weak Quarter

Swine flu: how the numbers add up

Apple's Mac Price Cuts Buoy Earnings Even as PC Market Slumps

Rising Bad Loans Overshadow Strong US Banking Revenue

Starbucks tops earnings expectations on cost cutting

Asian Stocks Finish Seventh Day on Speculation Profits Will Increase

Goldman Sachs wakes up on stock markets

Media Research Groups To Q2 Profit On Cost Cuts

Leaked CO prof. surges on handset, tablet

Yankee, Apple

Apollo 11 Moon Landing Delivered 40 Years Of Spin-Off Tech

NASA: Robots working perfectly in space mission

Chinese authorities investigate iPhone worker's death

Research In Motion Crashes Apple's Party

Microsoft Windows 7 Family pack confirmed, RTM available on August 6

Asus Will Power Pack Logic Kindle-Read

Vertu Companions On Media Proposes

Airman loses legs after routine health surgery

We can't afford to touch national health care system

Milken Institute Health

China's New Do-It-Yourself Doctors

US schedules trials of new swine flu vaccine

Airman loses legs after routine health surgery

Don't let fear block health care reform

Milken Institute Health

China's New Do-It-Yourself Doctors

Thailand's death toll from A/H1N1 flu rises to 44

Virginia killer's records found

Australia starts 1st swine flu vaccine trials

Airman loses legs after routine health surgery

We can't afford to touch national health care system

Milken Institute Health

China's New Do-It-Yourself Doctors

LESS THAN 10 MIN. AGO

MORE THAN 10 MIN. AGO

MORE THAN 1 HOUR AGO

sshhh! This is a working library.

search

/ go

READING

WRITING

WORK

ABOUT

RECENTLY

6.18.09

On the library

I wonder if the promise of an ebook isn't the book but the library.

6.14.09

Beginnings

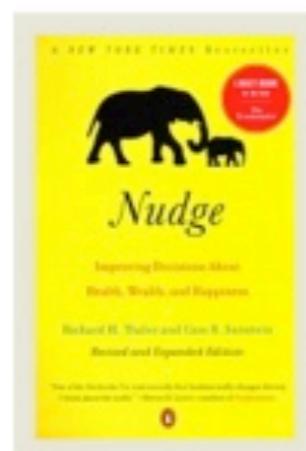
The relaunch of *A Working Library*, and what I've come to think of as the new beginning.

3.30.09

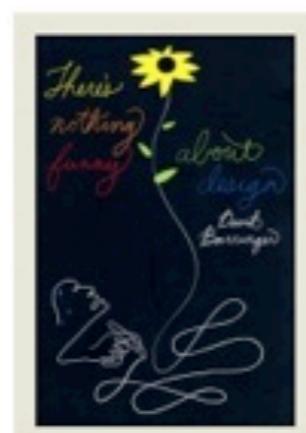
On feeding

As I write this, I am baking bread. Or, at least, I am trying to bake bread.

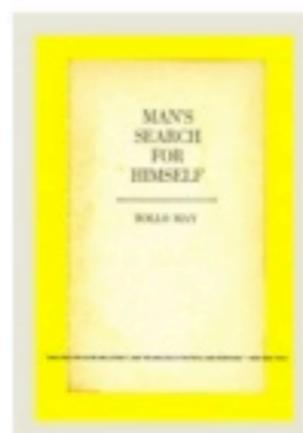
NEW BOOKS / [see all](#)



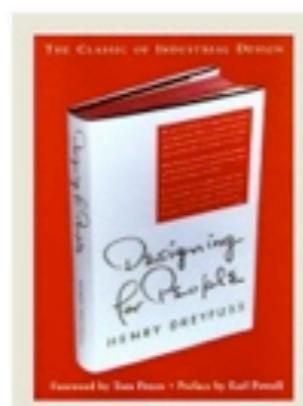
Nudge
CASS R. SUNSTEIN,
RICHARD H. THALER



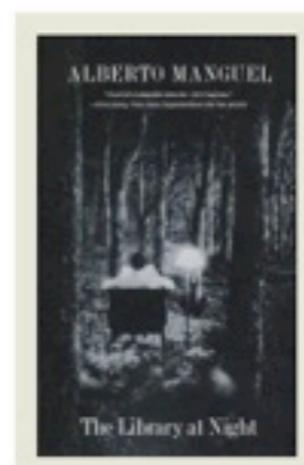
*There's nothing funny
about design*
DAVID BARRINGER



Man's Search for Himself
ROLLO MAY



Designing for People
HENRY DREYFUSS



The Library at Night
ALBERTO MANGUEL

NEW NOTES / [see all](#)

6.28.09

Caring critics

On *There's nothing funny about design*

6.14.09

Beginnings

This post marks the relaunch of *A Working Library*, and what I've come to think of as the new beginning. I have a lot of love for the previous editions—which managed to be charming and warm despite the asceticism of the design and varying success of the posts. But loving something doesn't make it last, and it was time to move on.

This new design maintains the simplicity and readerly layout, while avoiding some of the more awkward quirks of the previous designs. There are more graceful ways to manage clutter and support the reading experience than hiding the navigation on page load. Likewise, a well designed book (read: site) need not open on page 3, but can admit of a cover or table of contents to welcome the reader in. Ergo, the [home page](#) now supports browsing *before* reading.

In addition, I've increased the type size considerably. The more I read online, the more I believe larger sizes are more comfortable, especially for reading long form. And the book covers are shown much larger as well—part of a general desire on my part to better communicate how much the physical form of the book remains a part of the reading experience.

Perhaps most significantly, I've broken the content into two main sections: Reading and Writing. The former is home to the books in the library and—new to this edition—reading notes. These are short, excerpt-driven notes that aim to record something that struck me while I'm reading. The early months of this site included a lot of writing of this



Span Gateleg Table

\$299.00



Felix Side Chair

\$89.95

Ready to Assemble



Felix Side Chair

\$89.95

Ready to Assemble



Felix Side Chair

\$89.95

Ready to Assemble



Trestle Drop-Leaf Table

\$499.00

Ready to Assemble



Trestle Bench

\$199.00

Ready to Assemble



Cabria Woven Chair/Cushion

\$29.95 - \$139.00



Trestle Sideboard

\$499.00

Ready to Assemble



Delano 3-Piece High Dining

Table/Barstool Set

\$699.00

open stock \$757.00

Ready to Assemble



LIFE AT GREENBRIDGE ... IS THE BEST LIFE IN TOWN

NOW OPEN:
RESIDENTIAL.
RETAIL.
OFFICE.

With its ideal location in the heart of downtown Chapel Hill, beautiful interior appointments, and cutting-edge, green design you'll see why life at Greenbridge is the best life in town.



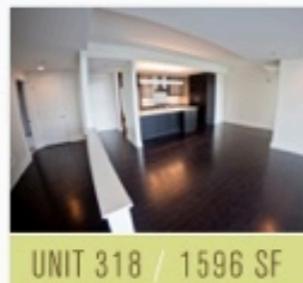
LATEST NEWS

NEW SHOP "LIGHT" NOW OPEN
GREENBRIDGE LAUNCHES WEBSITE
GRAND OPENING SPECIAL PRICING: UNITS STARTING AT \$299,000

FEATURED HOMES



UNIT 517 / 858 SF



UNIT 318 / 1596 SF



UNIT 512 / 1243 SF



UNIT 617 / 848 SF



UNIT 420 / 1376 SF



UNIT 417 / 1270 SF



UNIT 1301 / 3330 SF



UNIT 224 / 1625 SF



UNIT 734 / 3335 SF

RETAIL & OFFICE SPACE



FEATURED RETAIL:
UNIT 102

This 2,200 SF space along Merritt Mill Rd. is ideal for a wine bar or cocktail lounge.

UNIT 420 1376 SF



OUR FEATURED PROPERTY

GRAND OPENING Special Price (*Regular list price \$599,000*)

Savor the evening on your terrace as you watch the sunset and the night life come alive.

Being four floors up affords great views afar, yet the local scene is just steps away. This condo enjoys our most popular combination of materials, which includes cherry wood floors and custom cabinetry, white terrazzo "Glace" countertops, satin nickel ...

1 UNMATCHED LOCATION

Walking distance to vibrant downtown restaurants, shops & entertainment

18 miles to RDU airport, 11 to downtown Durham & 30 to downtown Raleigh

2 LUXURIOUS AMENITIES

Artisan cabinetry, FSC certified wood flooring, Bosch appliances & CREE LEDs

Event lounge, private courtyard, multimedia theater & concierge staff

3 GREEN DESIGN

Solar/thermal hot water heating, living rooftop & low-flow faucets

Recycled glass & concrete countertops, dual flush toilets

UNMATCHED LOCATION



THE BEST OF NC.

Hike Asheville's lovely Blue Ridge mountains, relax on the beaches of North Carolina's Outer Banks, or take bike rides in nearby Duke Forest



WALK TO DOWNTOWN.

Greenbridge offers all the benefits of living downtown, which means you can walk to all the great restaurants, markets, entertainment venues and cafés Chapel Hill & Carrboro are known for

LUXURIOUS AMENITIES

CUSTOM QUALITY FINISHES.

We feature North Carolina artisan cabinetry, locally manufactured Bosch stainless-steel appliances, and FSC-certified maple, cherry and locally sourced bamboo wood floors.



COMMUNITY BENEFITS.

- Professional concierge
- Comprehensive building security & maintenance
- 900 sq. ft. fitness center
- 28-seat multimedia theater
- Indoor bicycle storage & rental
- Versatile event lounge & private community terrace
- Ground floor retail

You may also find full-tile glass & porcelain mosaic kitchen backsplashes; automated lighting shades & audio controls; and floor-to-ceiling windows & balconies.

**“ In an architecture of content,
the information becomes the
interface.**

Visual Explanations 146

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Dvorak Inside Track Ulanoff Costa Segan Bajarin Miller Analyst's View

SEARCH PC MAG.COM COLUMNS [Home](#) > [Columns](#) > [John C. Dvorak](#) > [My Son Bought a Mac](#)

John C. Dvorak

MORE ON THIS

My Son Bought a Mac

07.13.09



If I was going to buy a new laptop this minute, a MacBook Pro is probably what I'd get, too.

[67 Comments](#)

By [John C. Dvorak](#)

It was a somber day for the Dvorak family recently when my son switched to the Mac, likely never to return to the PC. I saw this coming. The family flag is flying at half mast.

"He didn't want to tell you because he was afraid you'd get mad and talk him out of it," said my wife on a dreary Washington state morning. "What? I wouldn't talk him out of it!" I retorted as I gritted my teeth.

13
diggs

digg it

Intel Centrino Inside®
Look for Intel Inside®

ThinkPad

Ultimate Business Tool
featuring Roll Cage Technology

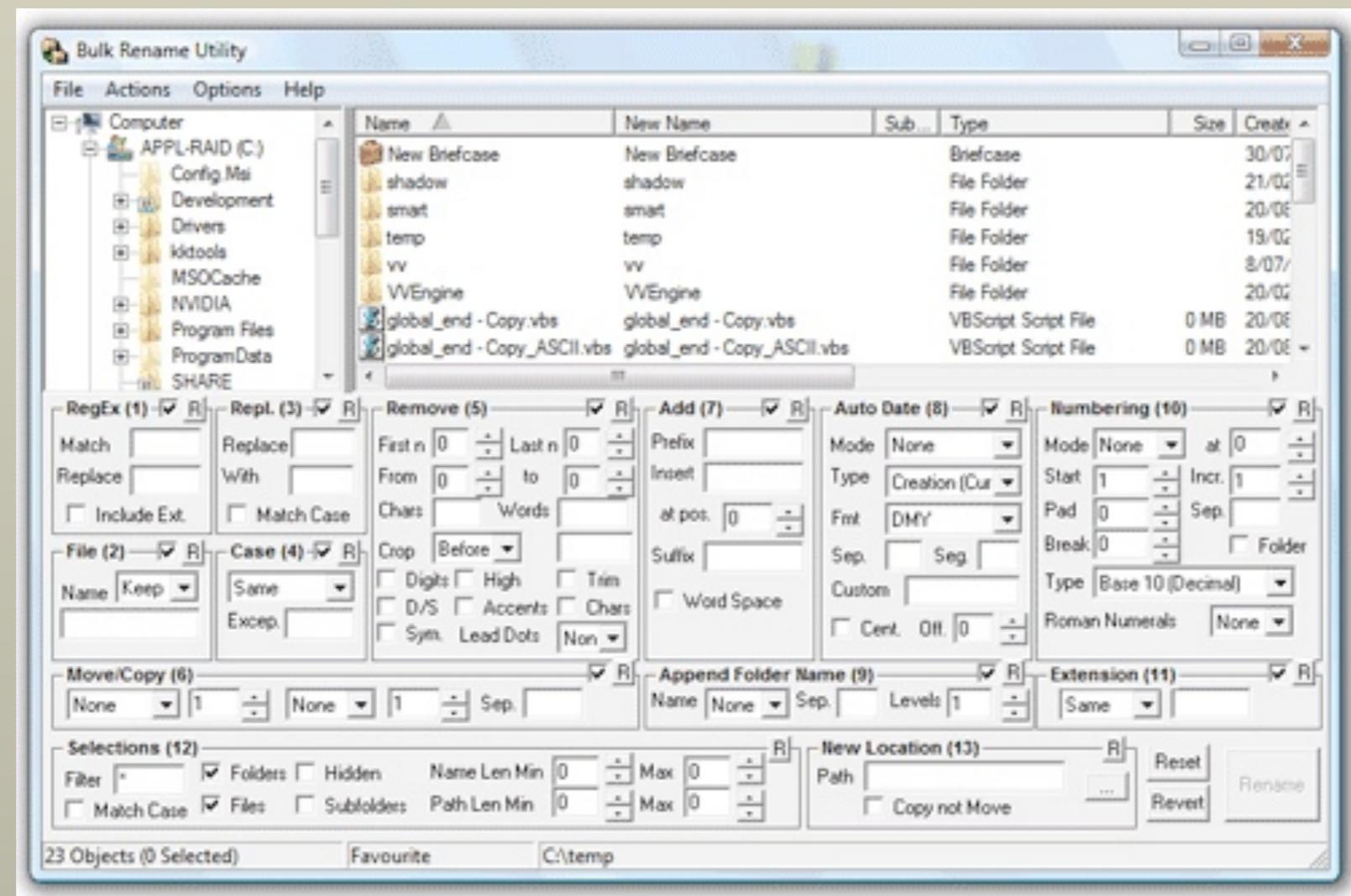
lenovo. ThinkPad.

Info Centers

- CDW Small Business Solutions Center
- HP Printing Center
- Lenovo ThinkPad & IdeaPad Notebook Store

powered by

John C.



Microtuner #1

tuning file


Tuning file **OPEN** **SAVE**

 Tones **44** Expand at load
 Key **C4** Consider intervals

Import SCL
Export SCL
Import MTS
Export MTS
Max/MSP

Ref.: 261.6255653006 Hz
Cents: +231.174094
Ratio: 8/7
>> JUST interval <<

PARTCH_43.scl
 Harry Partch's 43-tone pure scale

© 2008 Victor Cerullo

Enable MTS SysEx receive function

Note	Key	Pitch values in Hertz
60	C4	261.6255653006
61	C#4	264.89588486686
62	D4	269.80136421624
63	D#4	274.70684356563
64	E4	279.06726965397
65	F4	285.40970760065
66	F#4	287.78812183066
67	G4	290.69507255622
68	G#4	294.32876096318
69	A4	299.00064605783
70	A#4	305.22982618403
71	B4	310.07474405997
72	C5	313.95067836072
73	C#5	319.76457981184
74	D5	327.03195662575
75	D#5	332.97799220076
76	E5	336.37572681506
77	F5	343.38355445704
78	F#5	348.83408706747
79	G5	353.19451315581
80	G#5	359.73515228832
81	A5	366.27579142084
82	A#5	373.75080757229
83	B5	380.54627680087
84	C6	387.59343007496
85	C#6	392.4383479509
86	D6	398.6675280771
87	D#6	406.97310157871
88	E6	411.12588832951

REF **TRIM** **INS** **DEL** **α/β**  
EXPAND **PRE** **CLEAR** **12-OCT** **12-MAP**

69 A4 | 299.00064605783 | UPDATE

Add comments when saving

SoftBank 10:25 AM

THE PASSWORD ENGINE

Global Code testcode

Provider Acme service provider

Username myusername

Entry Code Keep OFF

Length 12 Punctuation !@#\$%^&*?_~

Notes:

Password Ready

Password: poscal0@q7g8

Strength: Good

No Changes to Save

Pronounceable Strings	OTHER CRITERIA	
ON	Uppercase	Lowercase
Use Words	OFF	ON
OFF	Punctuation	Numbers
ON	ON	ON

Save Revert Options + Help

SoftBank 10:36 PM

gpsGuide

Move ↑

Current Location Head North

Latitude	Longitude	Head	North
35 46 29.7N	139 28 2.1E	179 °	S

Latitude Longitude Bearing Dist

35 51 47.2N	139 30 7.8E	17 ° N	10.3km
-------------	-------------	--------	--------

DEST Loc: viva home

ORIGIN Loc: watertower matsu

Last Update 10:36:51 PM Accuracy 17m Good

Speed 0 #updates 1192 Accu racy

Odometer 81m Alti 111m ± 70m

You must move for accurate heading and bearing arrows

Stop Save Reset Help Config

“ Aesthetics matter: attractive things work better.

Donald Norman *Interactions Magazine*

Applications to Web Design

- 1 Design reveals content**
- 2 To clarify, add detail**
- 3 Design from the inside, out**
- 4 Smallest effective difference**
- 5 Above all else, show the content**

**“ ‘Make it look good!’ That’s
not what we think design is.
It’s not just what it looks and
feels like. Design is
*how it works.***

Steve Jobs *NYTimes Magazine*

Thank you

This has been
a *Sprocket House*
production.