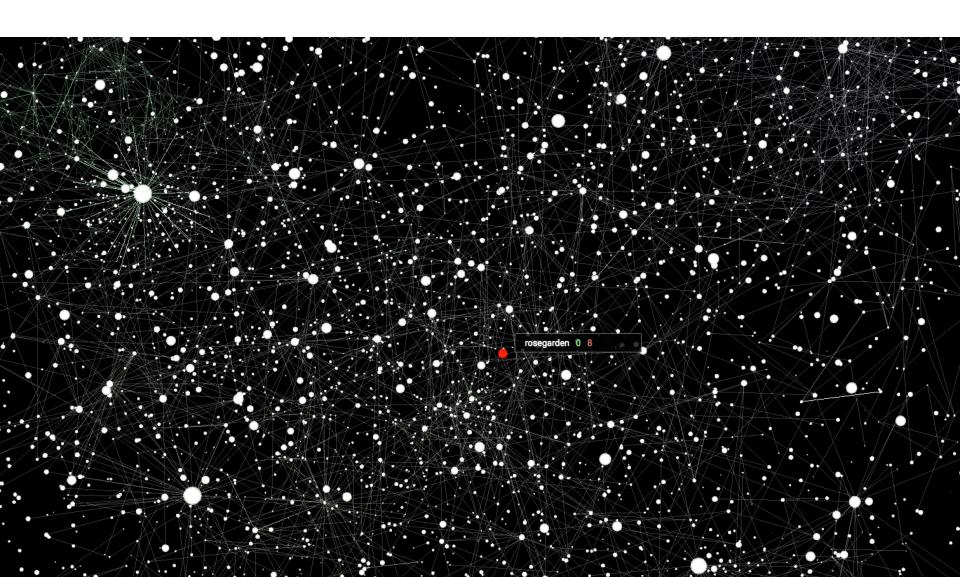
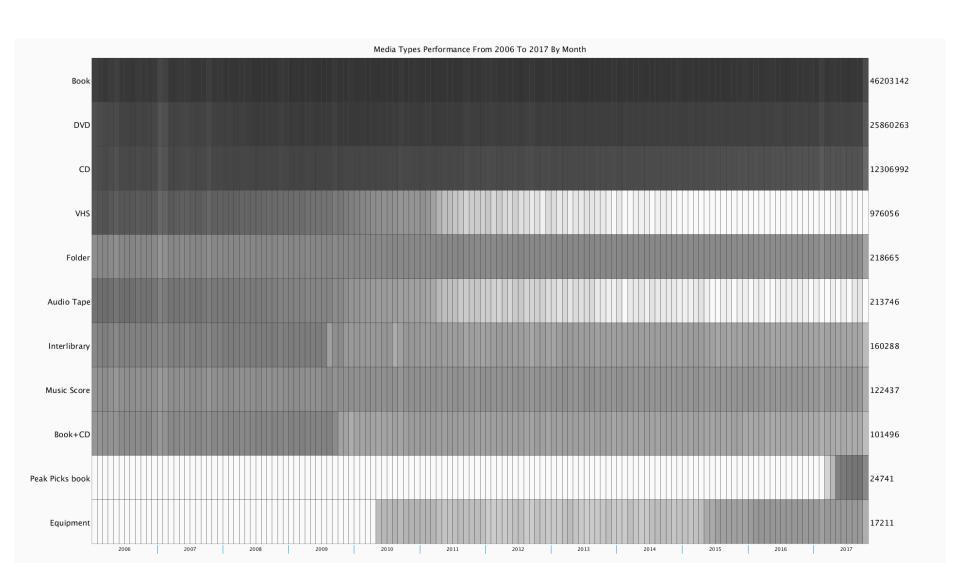
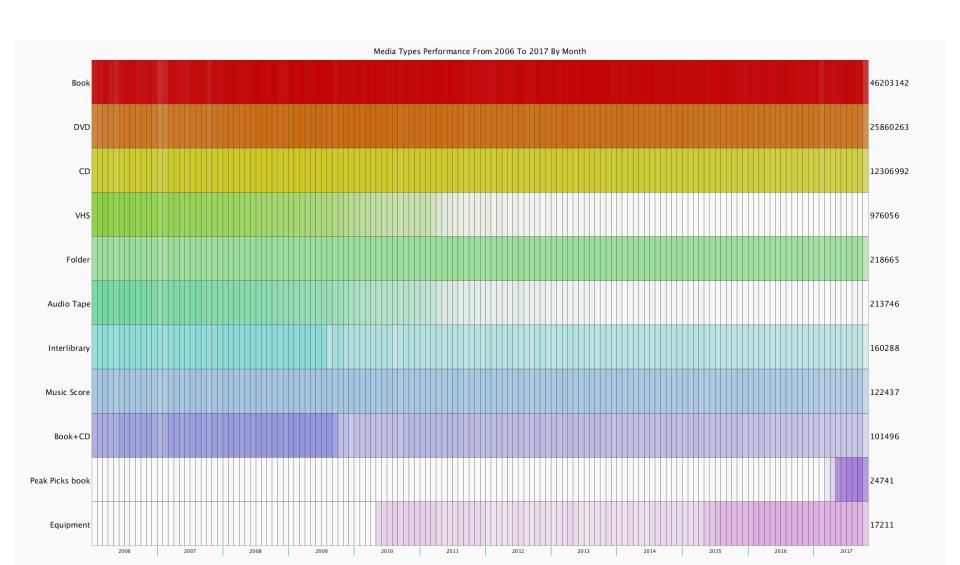
Design / Visual Language Basics

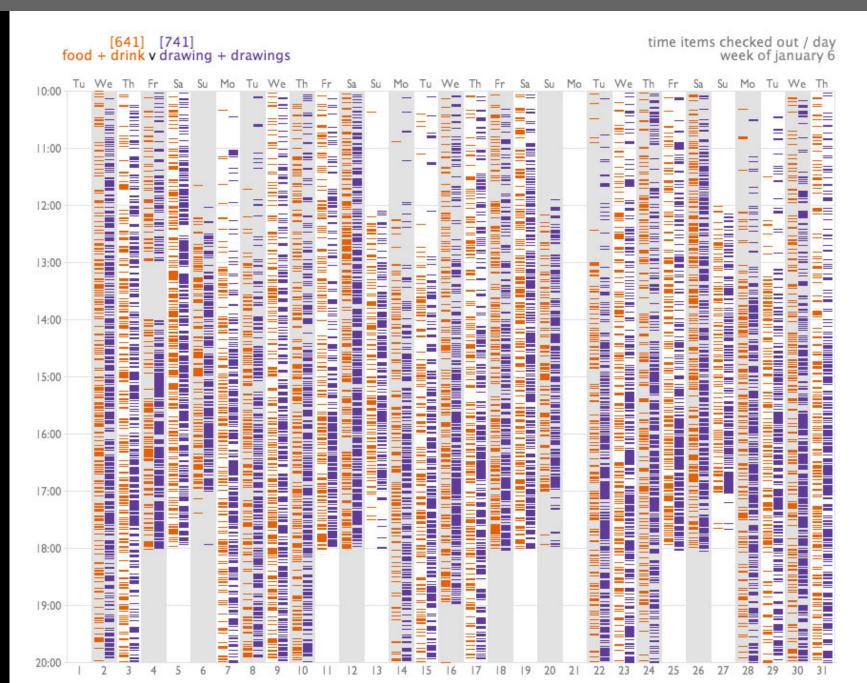


Media History 2006-2017

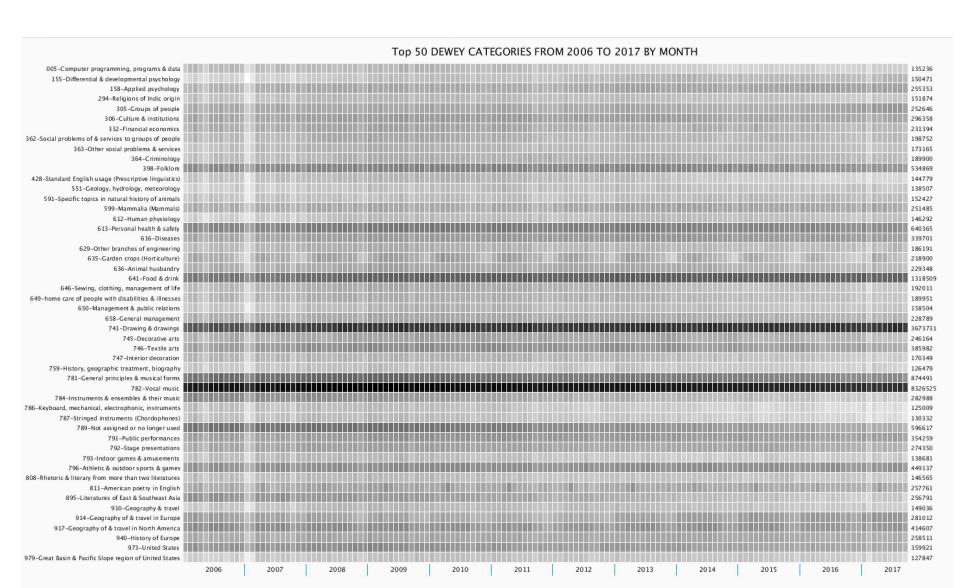


Media History 2006-2017

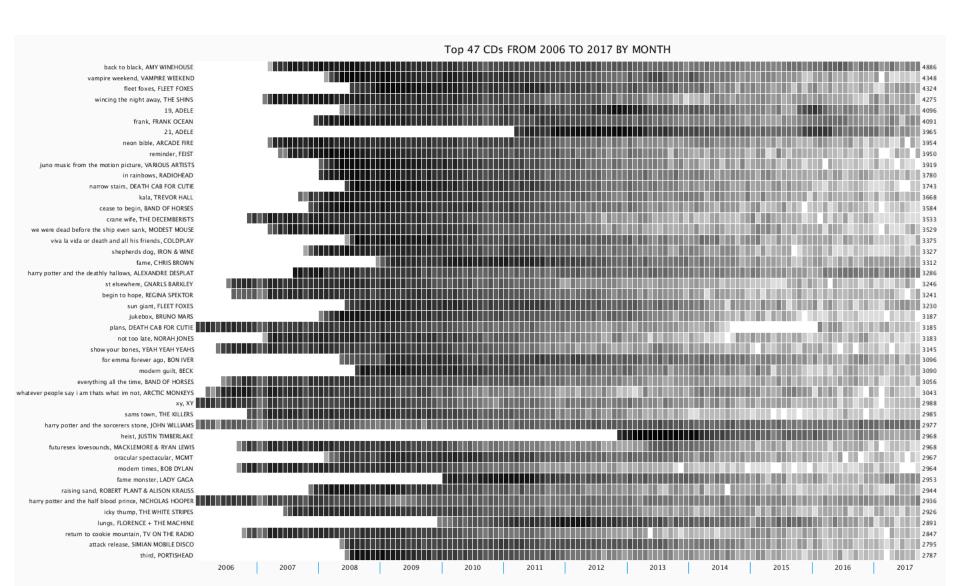




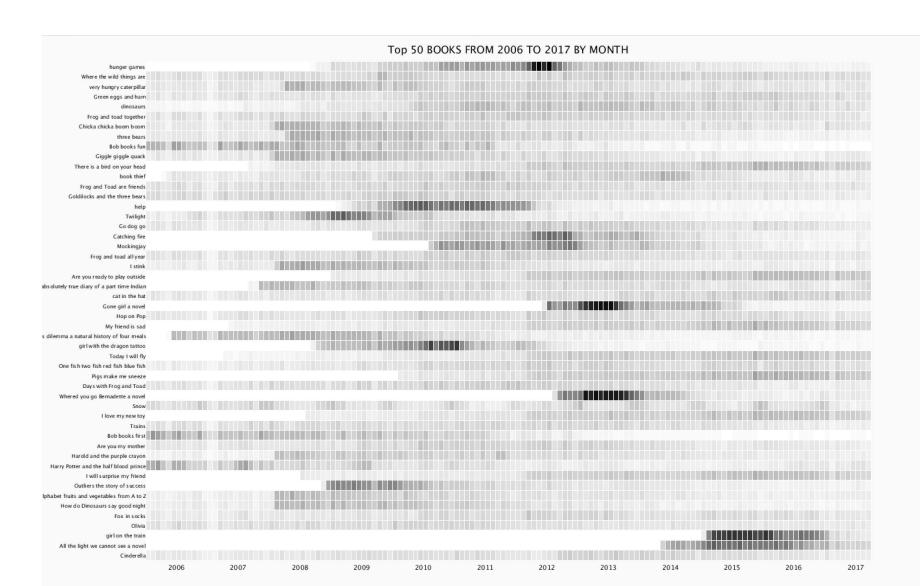
Top Dewey Categories

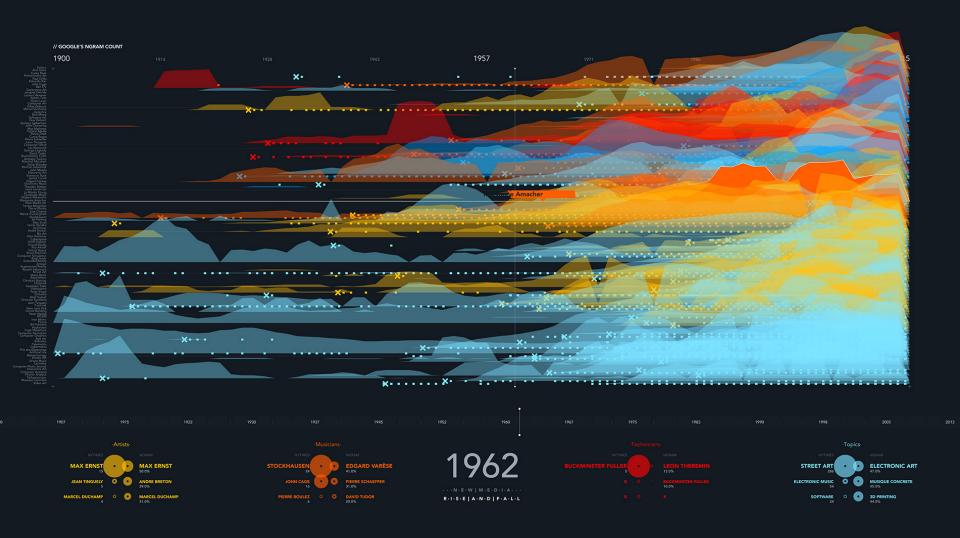


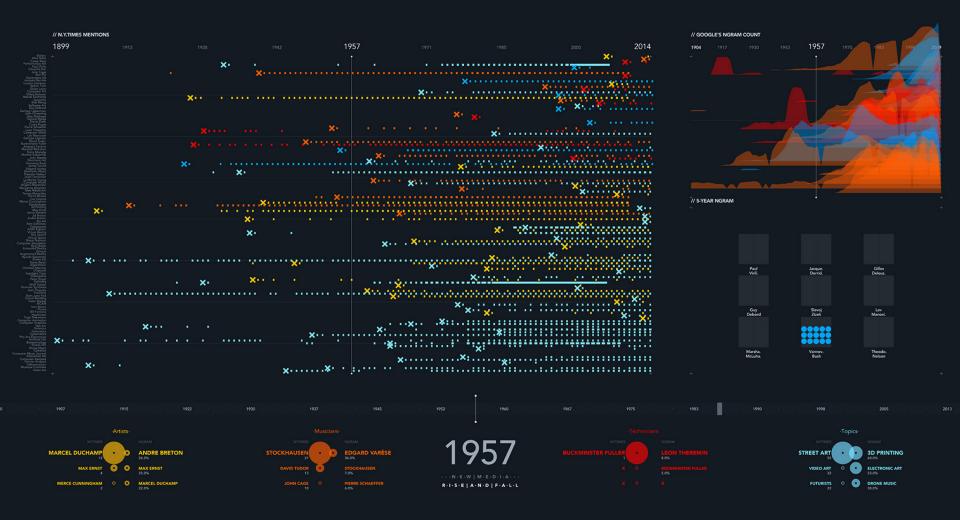
Top cd Checkouts

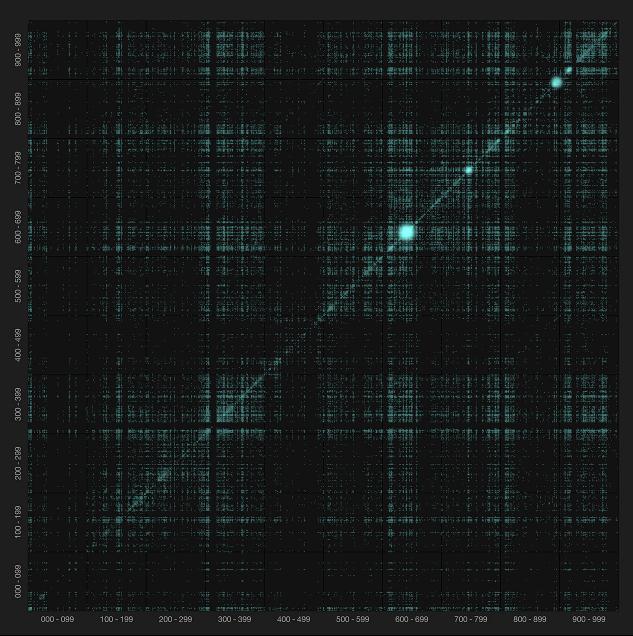


Top 50 Books 2006-2017









Frequently Borrowed Together

use the radio buttons to zoom

000 - 099 Computer science, information & general works

100 - 199 Philosophy and psychology

200 - 299 Religion

300 - 399 Social sciences

400 - 499 Language

500 - 599 Science

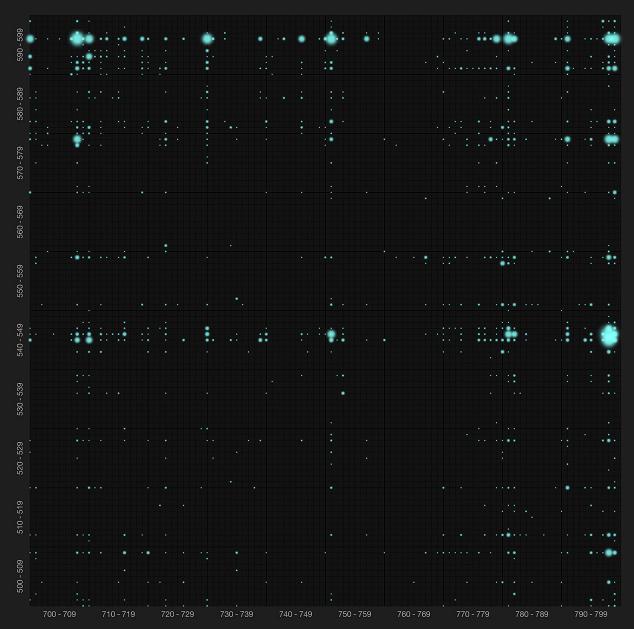
600 - 699 Technology

700 - 799 Arts & recreation

800 - 899 Literature

900 - 999 History & geography

Anastasiya Lazareva | Winter 2015 | Computer Science



Frequently Borrowed Together

use the radio buttons to zoom

000 - 099 Computer science, information & general works
100 - 199 Philosophy and psychology
200 - 299 Religion

300 - 399 Social sciences400 - 499 Language

400 - 499 Language 500 - 599 Science

• 600 - 699 Technology

• 700 - 799 Arts & recreation

800 - 899 Literature

900 - 999 History & geography

500 - 509 Science

510 - 519 Mathematics

520 - 529 Astronomy

530 - 539 Physics

540 - 549 Chemistry

550 - 559 Earth sciences & geology

560 - 569 Fossils & prehistoric life

570 - 579 Biology

580 - 589 Plants

590 - 599 Animals (Zoology)

700 - 709 Arts

710 - 719 Area planning & landscape architecture

720 - 729 Architecture

730 - 739 Sculpture, ceramics, & metalwork

740 - 749 Graphic arts & decorative arts

750 - 759 Painting

760 - 769 Printmaking & prints

770 - 779 Photography, computer art, film, video

780 - 789 Music

790 - 799 Sports, games & entertainment

Anastasiya Lazareva | Winter 2015 | Computer Science

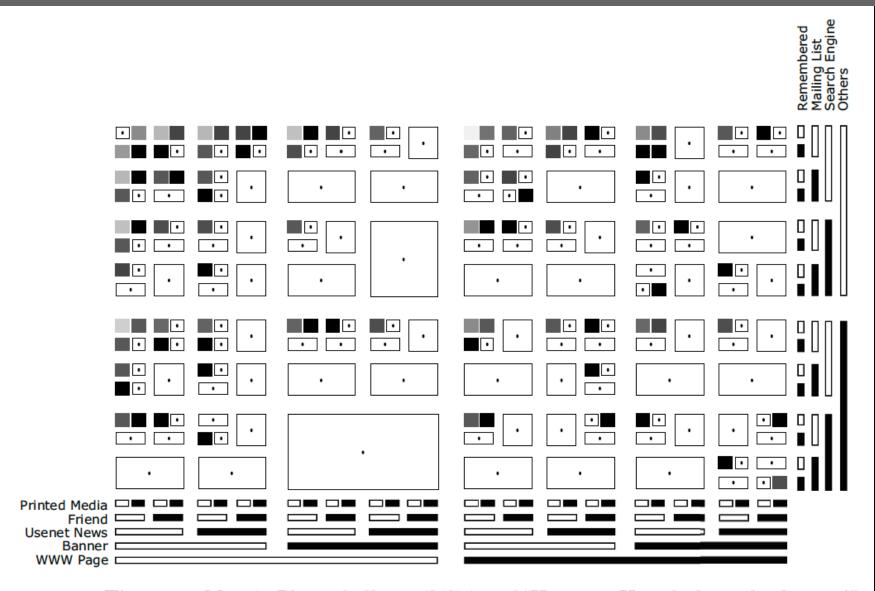
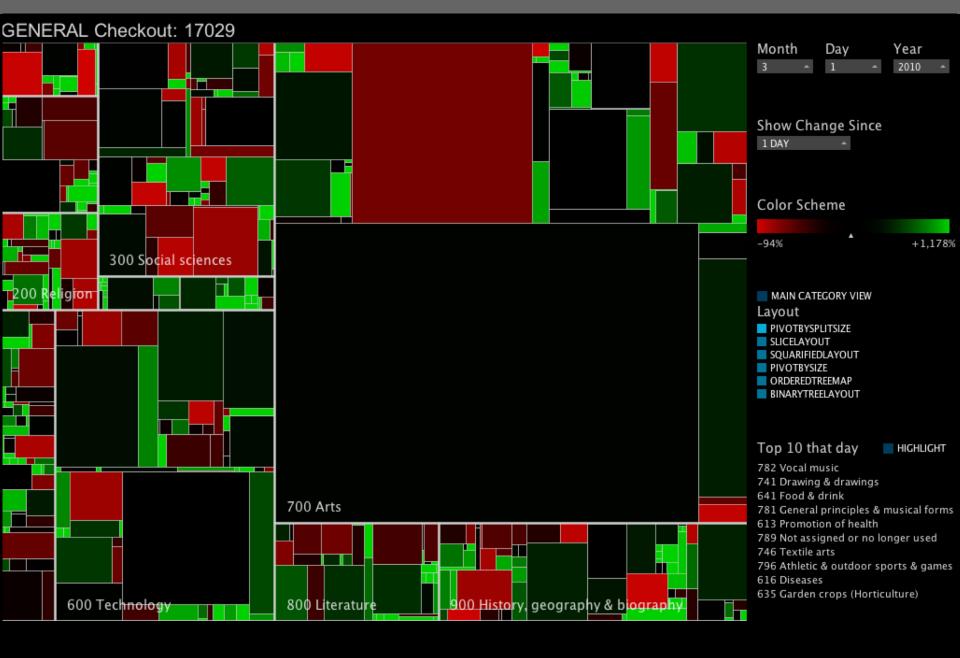
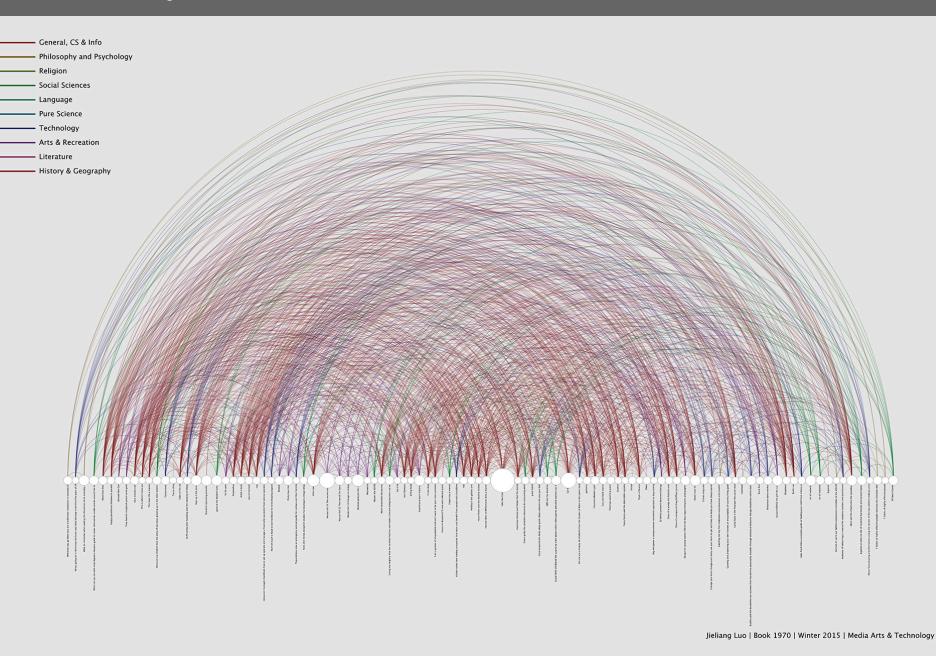
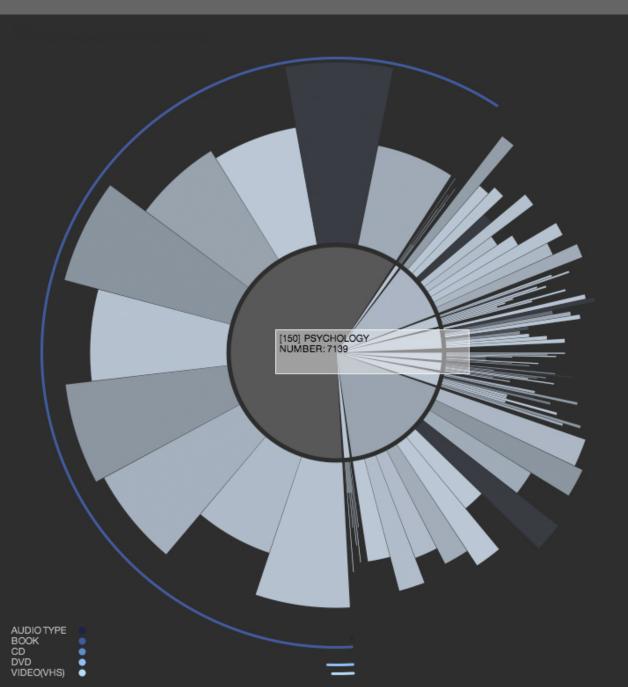


Fig. 5.13. Mosaic Plots of all possibilities of "How you Heard about the Survey?" Gray-shading has been used to mark cell sizes. Empty cells are combined where possible and tagged by a circle. 112 of the possible 512 combinations are empty.



MAT 259 Visualizing Information



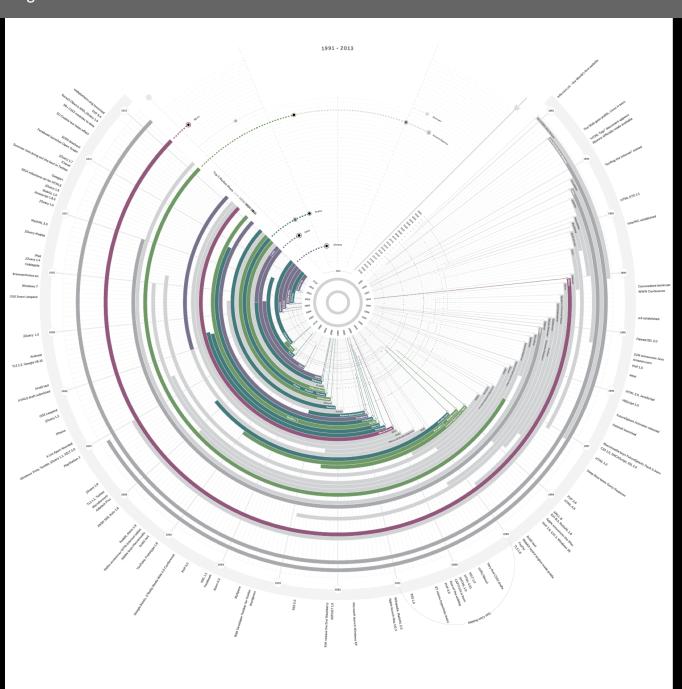


THE HOTTEST BOOK QIAN LIU | CIRCULAR TREE MAP

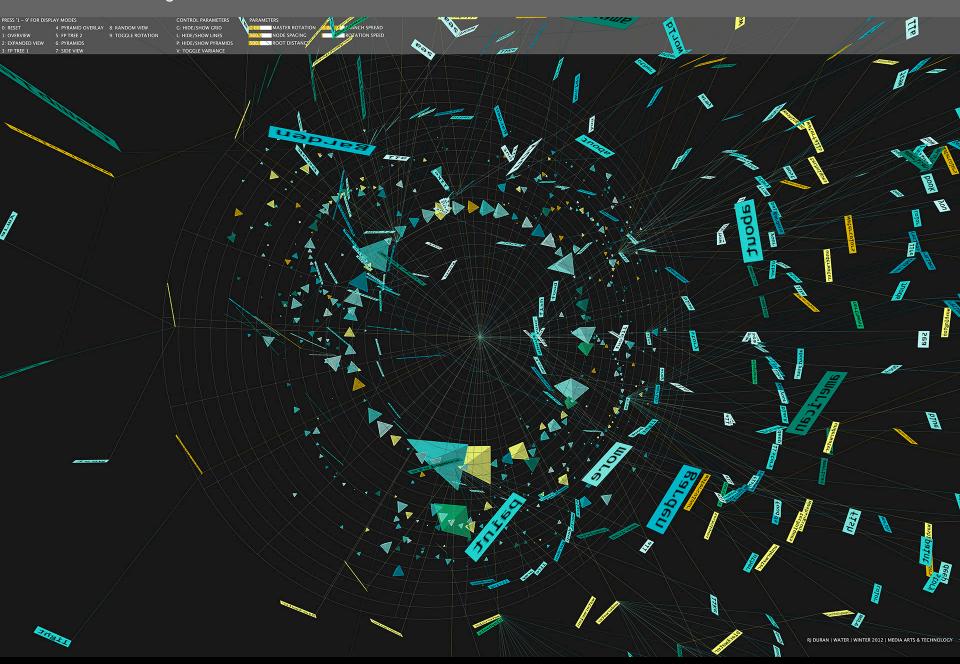
TOP 10 BOOK'S NUMBER, CATEGORY AND TITLE

[158]	Maximum achievement the proven syst
[158]	fundamentals 8 plays for winning th

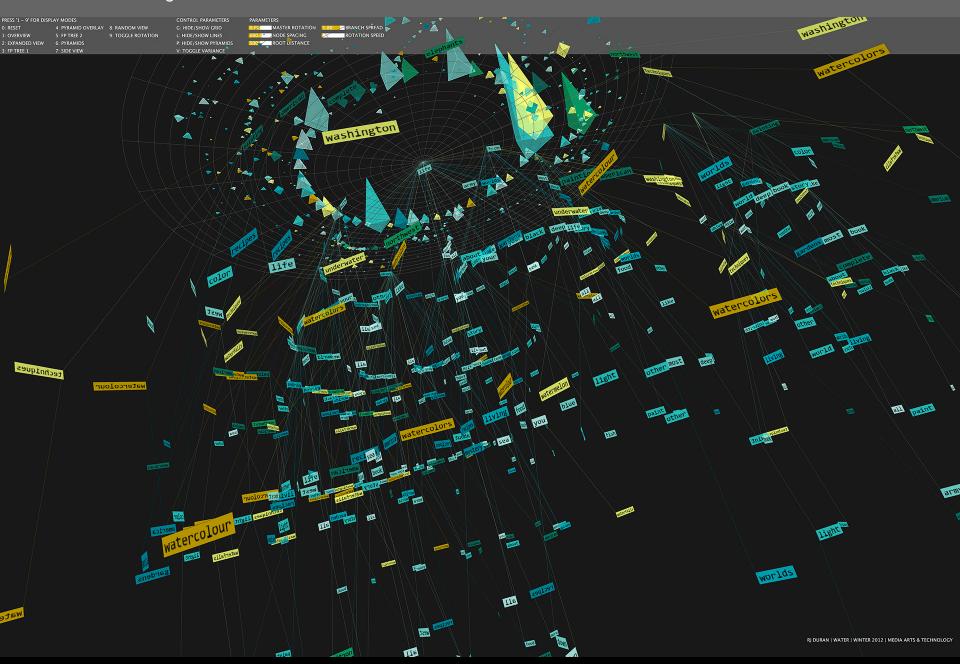
- [158] fundamentals 8 plays for winning th...
 [158] Get anyone to do anything and never...
 [152] Emotions revealed recognizing faces...
 [153] Blink the power of thinking without...
 [170] Caught in the act reflections on be...
 [155] Learned optimism
 [153] artists way a spiritual path to hig...
 [158] Emotional alchemy how the mind can ...
 [155] needs of the dying a guide for brin...

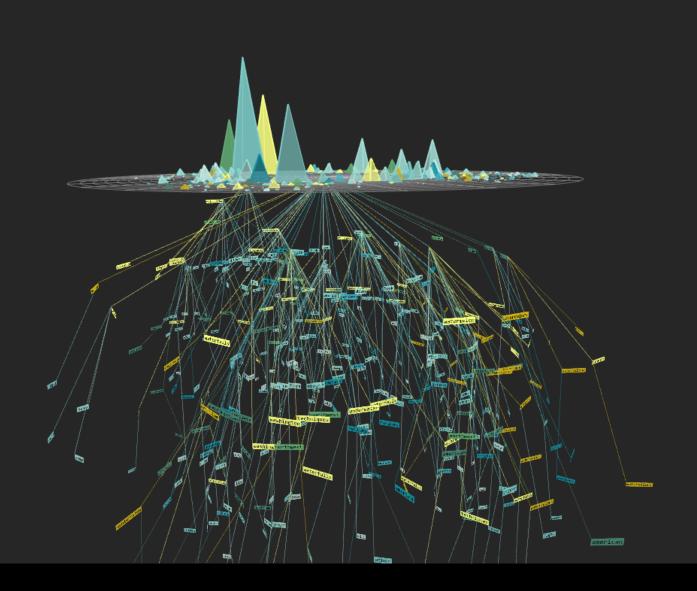


MAT 259 Visualizing Information



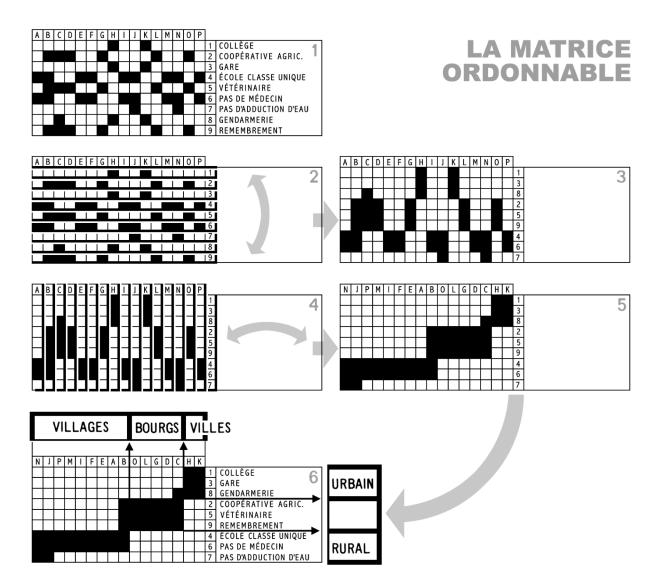
MAT 259 Visualizing Information



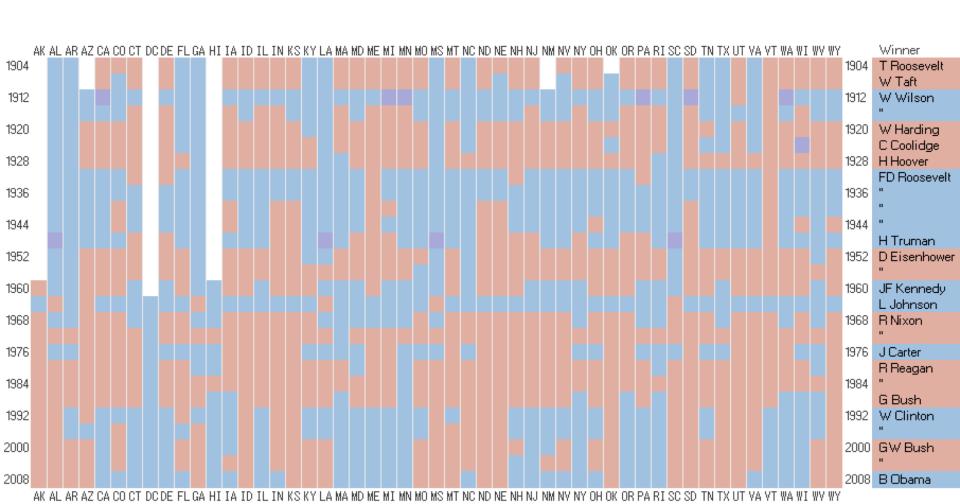


WATER

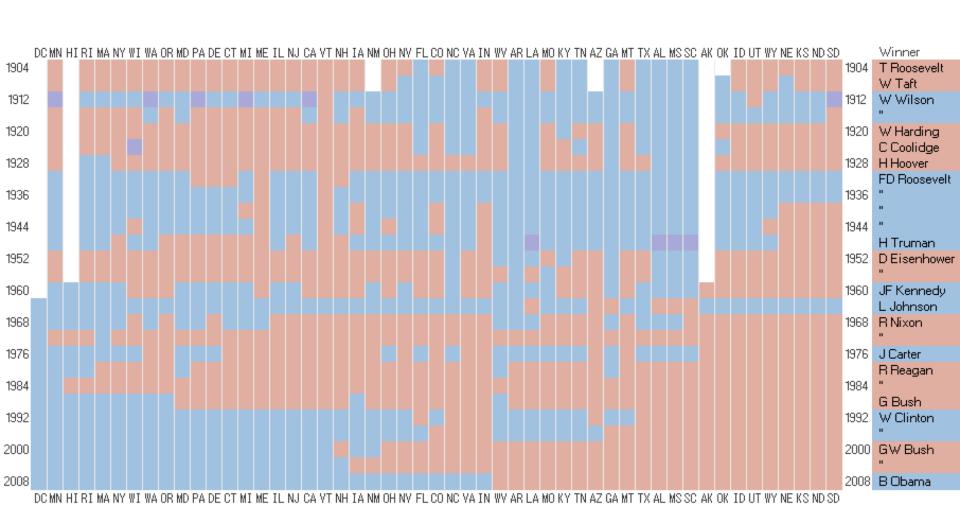
Cartographer Jacques Bertin: Reorderable Matrix



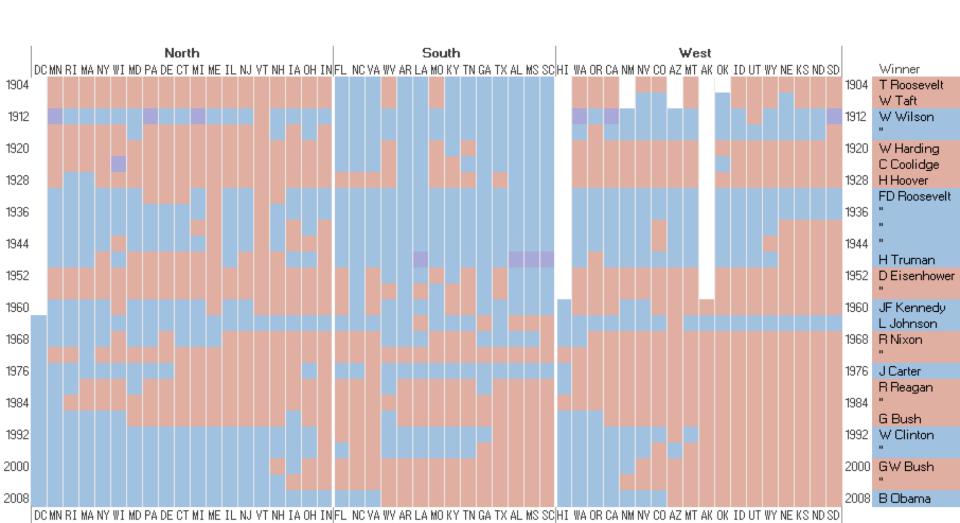
US Political History: Alphabetical



US Political History: Most recent results



US Political History: 3 regions



Function of Design

- Coherence, Clarity, Communication
- Visual Identity: Gives an overall identity, a branding through formal design choices (form, color, font, etc.)
- Rule-based process to structure information
- Good Design aims to be invisible! Does not take over content that it represents

Visualization is Culture Specific

- Scientific visualization deals with data that has a natural geometric structure (e.g., MRI data, wind flows)
- Information visualization handles abstract data structures such as trees or graph
- Graphic Design: Emphasis on the aesthetics and language of visual form
- Visual (Culture) Analytics: Science of analytical reasoning through visual interfaces

The Grid System (Brockmann)

The The ultingrid s Grid System

The ultimate resource in grid systems.

It permits a number of possible uses and each designer can look for a solution appropriate to his personal style. But one must learn how to use the grid; it is an art that requires practice. "

Josef Müller-Brockmann

"The grid system is an aid, not a guarantee.



Show Grid

Join The Forum

Search

Articles

The Golden Proportion

The golden section— a precise way of dividing a line, music or anything else-is showed up early in mathematics.

06.Jan.2010

The Golden Ratio in Web Design

You would be surprised to find out that most aesthetically pleasing designs, works of art, objects and even people have math in common. Specifically the Golden Ratio...

06.Jan.2010

Tools

Fluid 960 Grid System

A jQuery based fluid grid system template based on Nathan Smith's 960 Grid System. Allows multiple layouts including 12 or 16 fluid columns and 12 or 16 fixed columns.

06.Jan.2010

Masonry

Masonry is a layout plugin for jQuery that arranges elements vertically then horizontally according to a grid.

06.Jan.2010

Books

Universal Principles of Design

Universal Principles of Design is the first comprehensive, cross-disciplinary encyclopedia of design.

04.Nov.2009

Templates

Photoshop 4 Column Grid

A free 4 Column Photoshop grid template for a 1024×768 screen resolution by Ray Gulick.

08.Jun.2009

Blog

Buy Slammer = Help Haiti

The grid-generating app Slammer is part of the Indie+Relief initiative. Buy it and all proceeds from today (01/20) will be donated to Haiti.

20.Jan.2010

Eternal Network

Lovely minimal grid based site design that's reminiscent of old computer paper.

06.Jan.2010

Inspiration

Ace Jet 170
AisleOne
Athletics
BBDK
Blanka
Build
Corporate Risk Watch
Counter Print
David Airey
Design Assembly
Dirty Mouse
Experimental Jetset

Form Fifty Five
Grafik Magazine
Grain Edit
Graphic Hug
I Love Typography
Lamosca
Mark Boulton
Minimal Sites
Monocle
Neubau
NewWork
OK-RM
Original Linkage

Dobin Illama

Designing for the Web

A Practical Guide to
Designing for the Web has
written explanations of the
core principles of graphic
design in relation
to the web.

08.Oct.2009

InDesign 568x792 Grid System (12)

By Dario Galvagno. Adobe InDesign file with a grid system for a 568pts x 792pts page that is divided into 12 columns and rows using the Golden Ratio. Includes a 12pt baseline grid. 16.Apr.2009

Swiss Graphic Design





I deutsch

I english

Niggli Verlag für

Architektur Design Typografie Kunst

Niggli

	n'li		
+		Niggli Verlag für	Architektur Design Typografie Kunst
	deutsch		
	english		
			NIGGIL
		Verlag Niggli AG Steinackerstr. 8	CH-8583 Sulgen I Tel. +41 71 644 91 11 I Fax + 41 71 644 91 90 I info@niggli.ch

Recommended Swiss Graphic Fonts

Arial typeface Helvetica typeface Helvetica Neue typeface Univers typeface Univers Condensed typeface Times New Roman typeface

Recommended Swiss Graphic Fonts

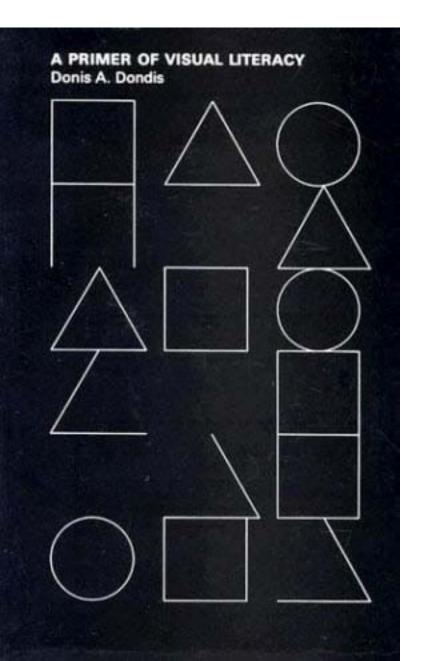
ABCDEFGHIJKLM NOPQRSTUVWXYZ abcdefghijklm nopqrstuvwxyz 1234567890 ABCDEFGHIJKLMN OPQRSTUVWXYZÀ ÅÉÎÕØabcdefghijklm nopqrstuvwxyzàåéîõ &1234567890(\$£.,!?)

ABCDEFGHIJKLMN OPQRSTUVWXYZÀ ÅÉÎÕabcdefghijklmn opqrstuvwxyzàåéî&1 234567890(\$£€.,!?) ABCDEFGHIJKLMNO PQRSTUVWXYZÀÅÉ abcdefghijklmnopq rstuvwxyzàåéîõøü& 1234567890(\$£.,!?)

46

Visual Basic Literacy: Basic Units (Dondis)

- Dot: Minimal unit, pointer, marker of space
- Line: Joins dots, articulator of space
- Shape: Line describes and encloses space
- Direction: Thrust of movement
- Tone: The intensity of lightness or darkness
- Color: Associative and symbolic meanings
- Texture: Quality of touching, looks/feels like
- Scale: Relative proportion & measurement
- Space: Organization of
- Motion: Visual elements guiding the viewer

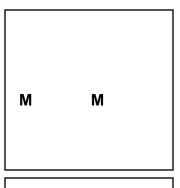


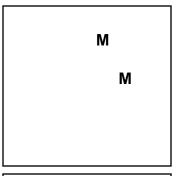
"A Primer of Visual Literacy" Donis A. Dondis

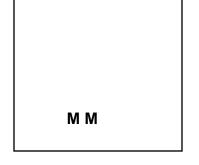
MIT PRESS, 1974

Clarifies the basic elements of design to show how they are used in simple syntactical combinations

Visual Organization / Space (Macro-micro, willi kunz)

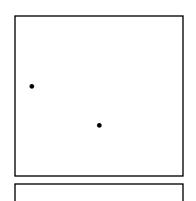




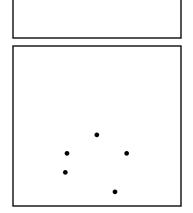


- Size and proportion of space are determined at the beginning
- Space is visually subdivided by the tension that develops between an element and the boundaries of the space
- Space: Depending on their visual placement within a given space, the same elements will assume different visual aspects of weight and movement

Visual Groupings in Space

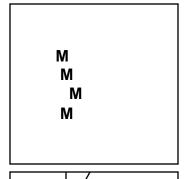


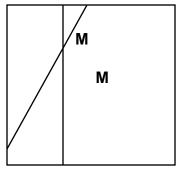
- Attraction & Grouping: 2 dots fight for attention in their interaction
- Distanced: Create individual statements as they repel each other
- Close together: There is an attraction force
- Perception: dictates to make whole out of units
 - Connect the dots!! (we do it with the stars)

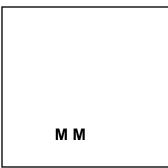


Opposites repel, similars attract

Weight, Im/Balance, Dis/Order, Un/Stable

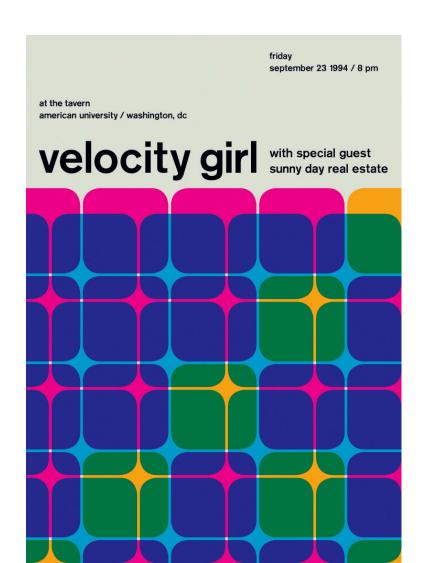






- Balance: Physiological, psychological
 - H-V construct: man to his environment
- Stress: Unstable causes stress
 - Stabilization: relative stress/balance
- Lower-left: most stable
- Harmony: (centered), no visual surprise
 - Search for balance with off-center mark
- Ambiguity: may obscure intent & meaning
 - Slightly off-center mark confounds
- Visual elements in stress location: more weight

Color Relationships





Color Relationships

- Black & White or color?
- If <u>black and white</u> what about grey tones?
- If <u>color</u>, how many? (Limit to 3 to 6?)

Color Tools & References

http://tristen.ca/hclpicker/#/hlc/6/1/21313E/EFEE69

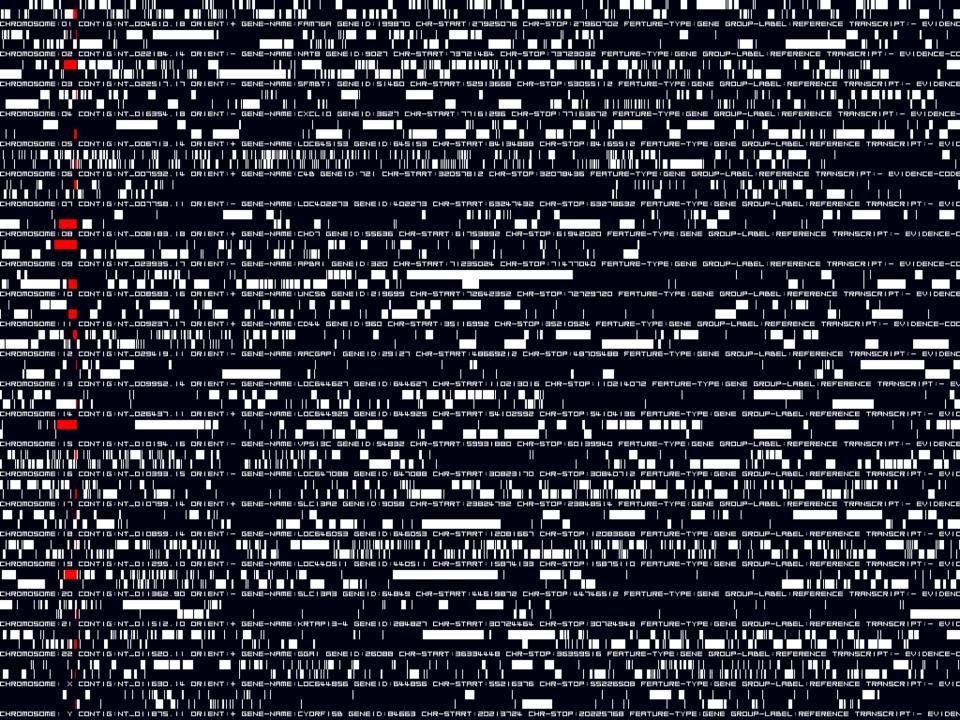
Problems of equidistant HSV

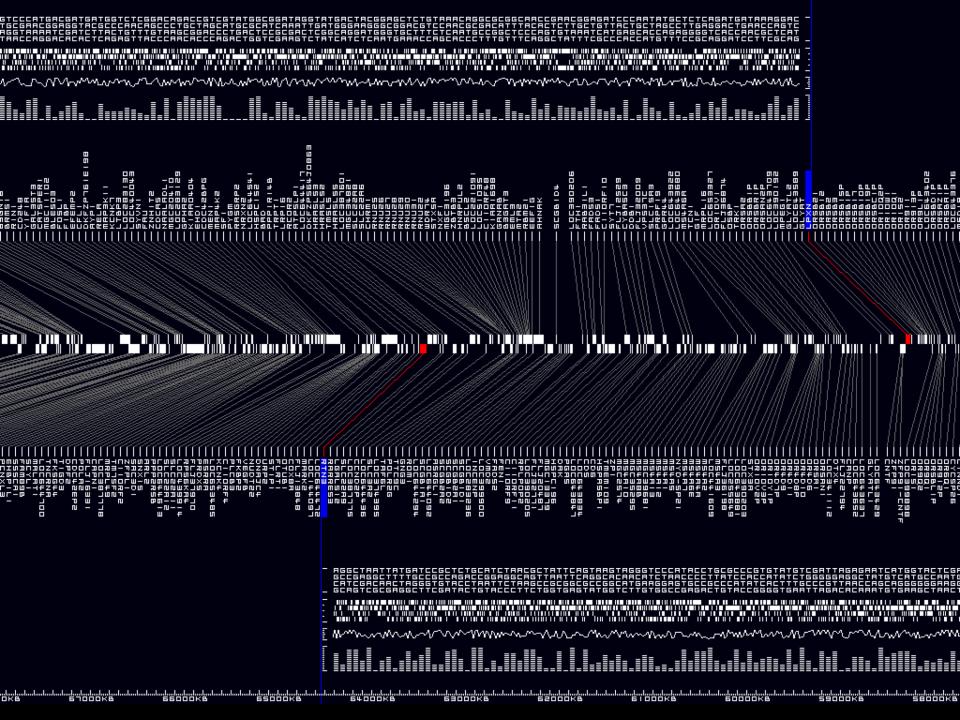
Swissted Graphic Posters

Ryoji Ikeda

Japanese sound and visual artist

- Uses scale, light, shade, volume, shadow, electronic sounds, rhythm
- Datamatics (2013)
- http://www.armoryonpark.org/photo_gallery/ slideshow/ryoji_ikeda





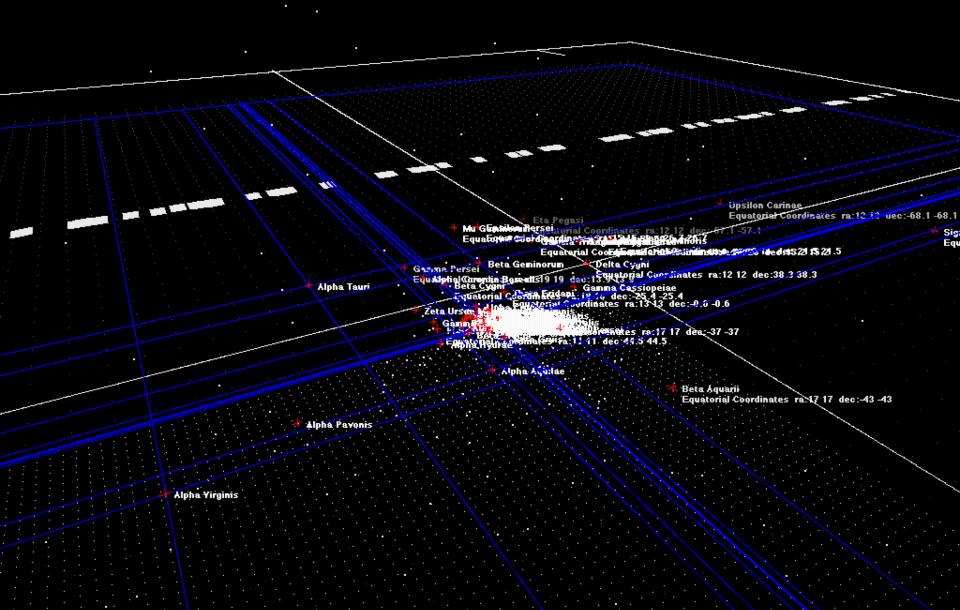


Image Complexity – Balance & Sub Division

- Too ordered is boring
- Too chaotic is confusing

Find a space between those two extremes

Strategy: Create an ordered system and then slightly disturb it

Conceptual Design

First phase of a project where quick sketches are used for **idea definition**:

- Provides a description of the proposed system
- What are the elements, how do they interface
- What it will look like
- Defines both the functionality and aesthetics of the project

Design Fundamentals

- Use all screen space and organize it
- Create subdivisions within a space
- Use hidden grid system
- Use easy to read fonts
- What color relationships to use