

# *movies, tennis & the universe*

*kim albrecht*

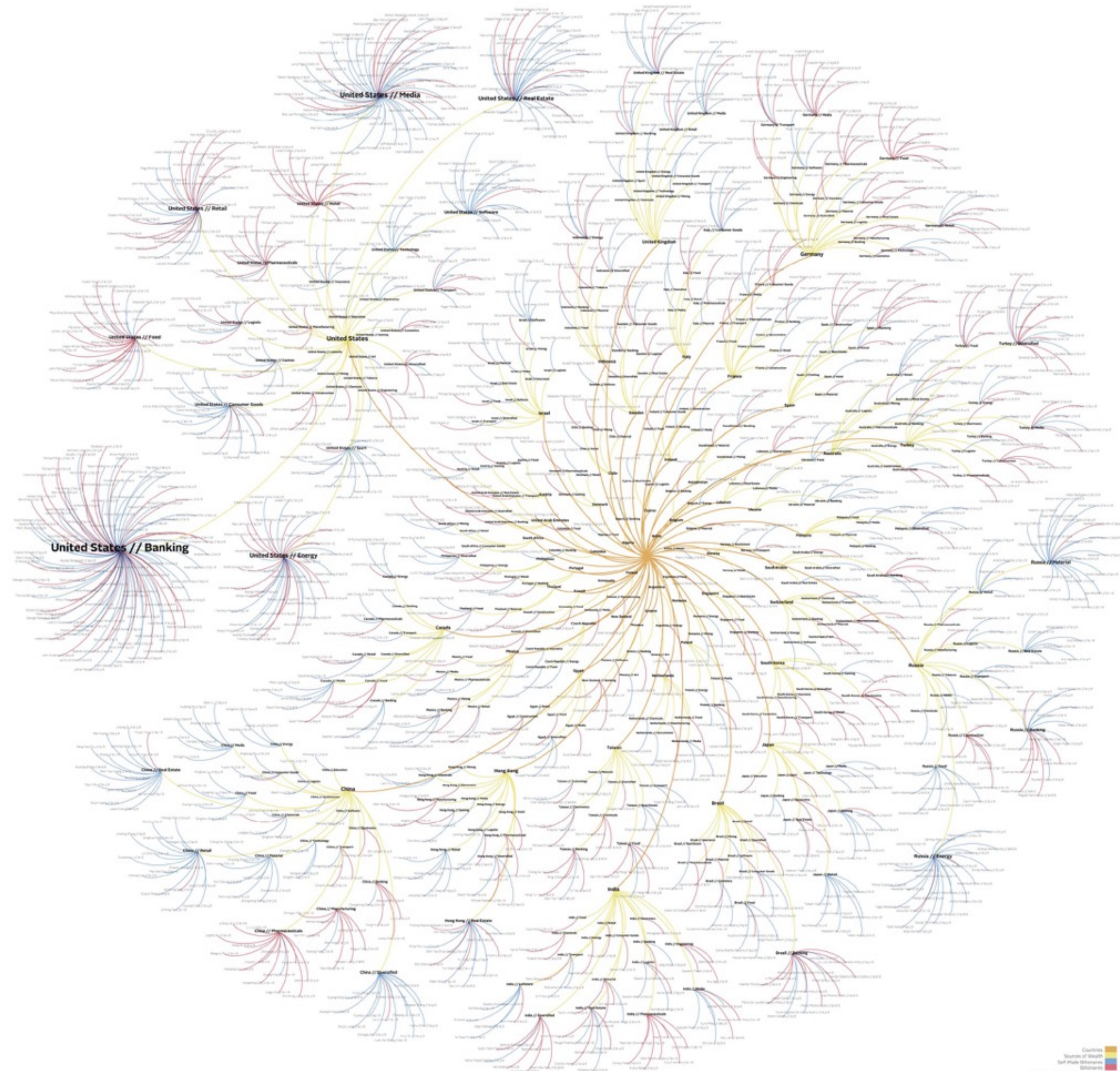
*kimalbrecht.com*

*center for complex network research*

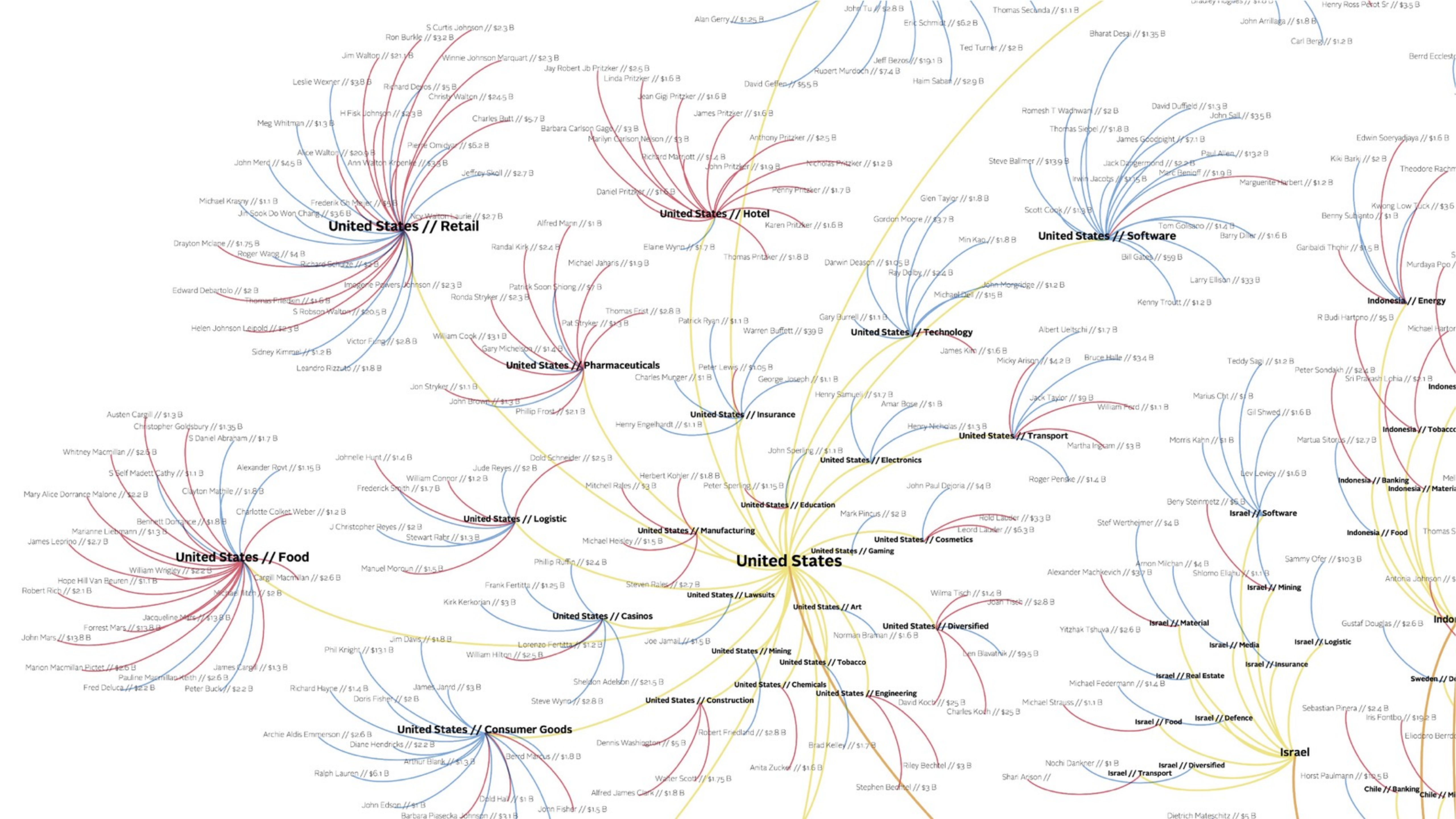
*me@kimalbrecht.com*

*@kimay*

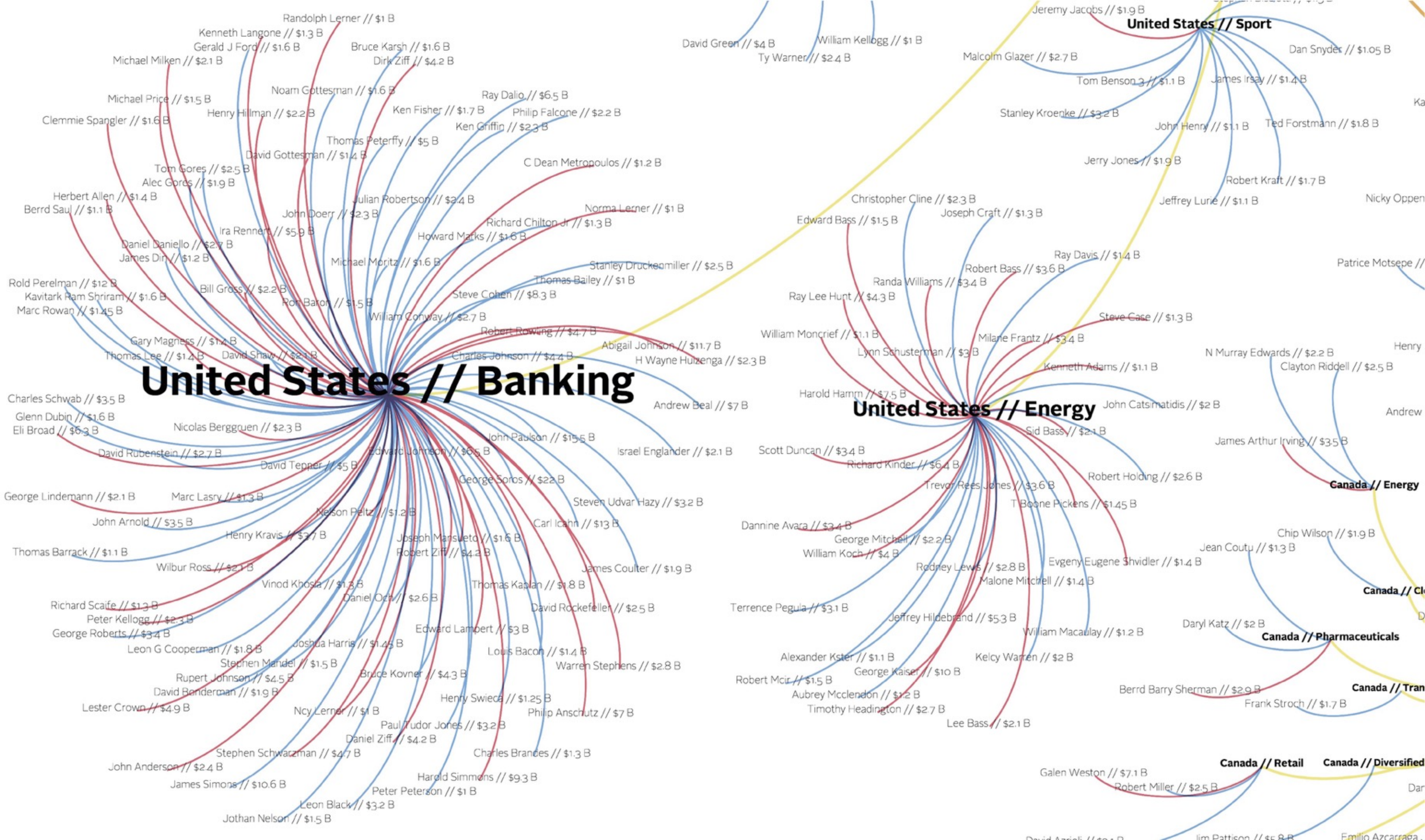




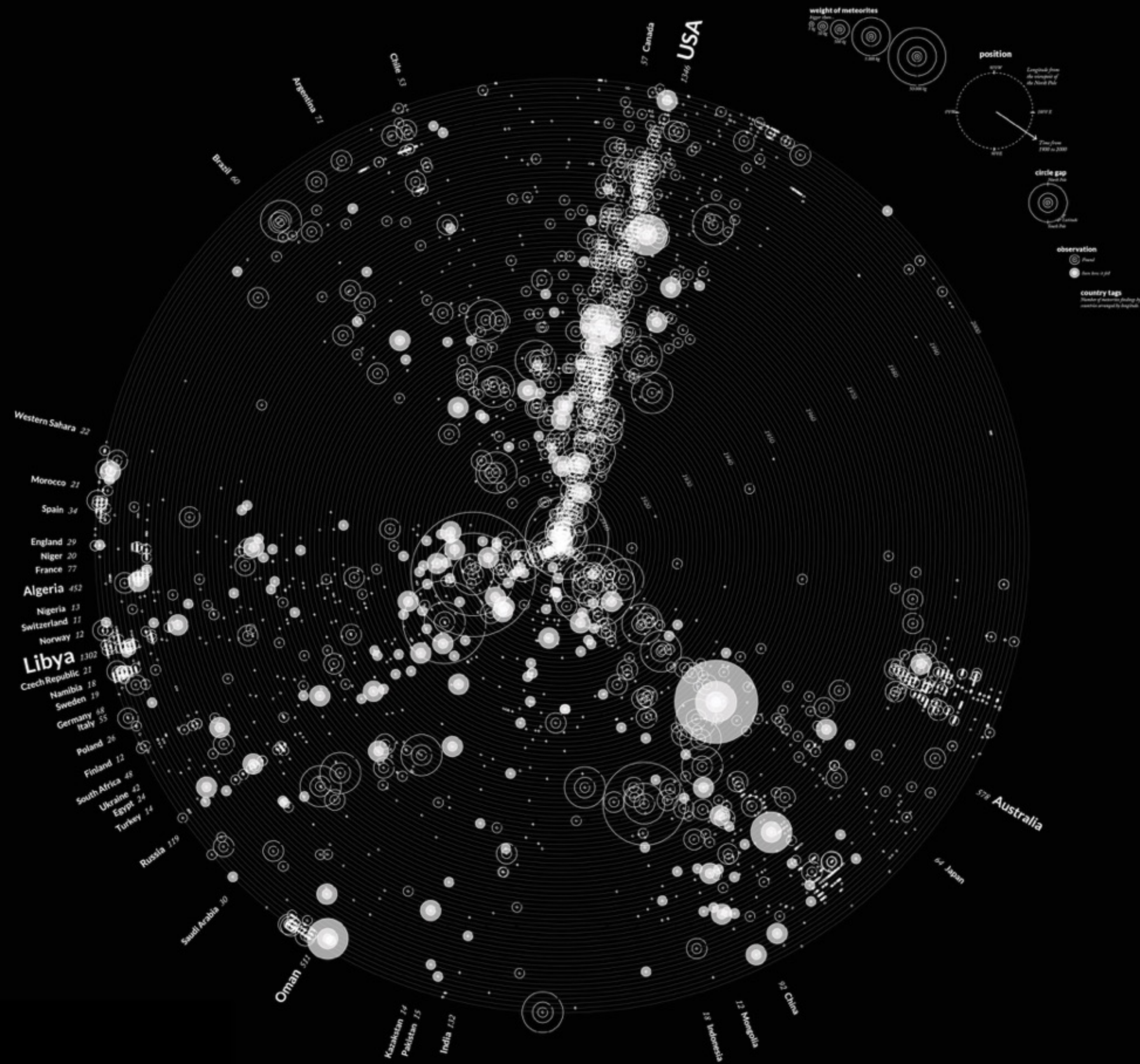














# weight of meteorites

bigger than...

5 kg

50 kg

500 kg

5,000 kg

50,000 kg

# position

Longitude from the viewpoint of the North Pole

0°W

90°W

180°E

Time from 1900 to 2000

# circle gap

North Pole

Latitude

South Pole

# observation

Found

Seen how it fell

# country tags

Number of meteorites findings by countries arranged by longitude.

Western Sahara 22

Morocco 21

Spain 34

England 29

Niger 20

France 77

Algeria 452

Nigeria 13

Switzerland 11

Norway 12

Libya 1302

ch Republic 21

Brazil 60

Argentina 71

Chile 53

Canada 57

USA 1346





# ***culturegraphy***

*university of applied sciences potsdam  
kim albrecht, marian dörk & boris müller*

***culturegraphy.com  
kimalbrecht.com***

***@kimay***

The Godfather - 1972



Why culture?

## Predicting



Because everything in her home is waterproof, the housewife of 2000 can do her daily cleaning with a hose



# Data

Referenced in
<a href="#">The Greatest Show on Earth</a> (1952)
<a href="#">Dateline: Disneyland</a> (1955) (TV Special) characters are shown at the park's opening, as is teacup ride
<a href="#">The Alphabet Conspiracy</a> (1959) (TV Movie) The Mad Hatter and the Jabberwock appear.
<a href="#">Disneyland '59</a> (1959) (TV Movie) Characters appear in the parade.
<a href="#">Walt Disney's Wonderful World of Color: This Is Your Life Donald Duck</a> (1960) (TV Episode) Characters make an appearance at the end
<a href="#">A Woman Is a Woman</a> (1961) Ana Karina's character says, "Happy Unbirthday" as she feeds the rabbit at the dance club.
<a href="#">Walt Disney's Wonderful World of Color: Disneyland Goes to the World's Fair</a> (1964) (TV Episode) characters are shown at the 1964 World's Fair
<a href="#">Aroused</a> (1966) When a police detective asks Ginny her name, she sarcastically responds: "Alice In Wonderland".
<a href="#">Walt Disney's Wonderful World of Color: Disneyland Around the Seasons</a> (1966) (TV Episode) characters are shown during Fantasy On Parade
<a href="#">Willy Wonka &amp; the Chocolate Factory</a> (1971) Wonka says, "Button button whose got the button?"
<a href="#">Knife of Ice</a> (1972) Uses the "Mouse's Tale" story from Alice in Wonderland
<a href="#">The Magic of Walt Disney World</a> (1972) (Short) costumed characters shown
<a href="#">M*A*S*H: Hanky Panky</a> (1977) (TV Episode) Hawkeye says, "I'm late for a very important date. No time to say goodbye, hello! I'm late, I'm late, I'm late!"
<a href="#">The Turning Point</a> (1977) Emma quotes from "Alice in Wonderland"
<a href="#">Puff the Magic Dragon</a> (1978) (TV Short) Alice's mushroom is shown and mentioned by Puff.
<a href="#">S.O.B.</a> (1981)
<a href="#">A Dream Called Walt Disney World</a> (1981) (Video)
<a href="#">Alicja</a> (1982)

## Internet Movie Database

Alice in Wonderland (1951)

Connections

Thanks to:  
Ágnes Horvát  
& Andreas Spitz







search for movies

Go

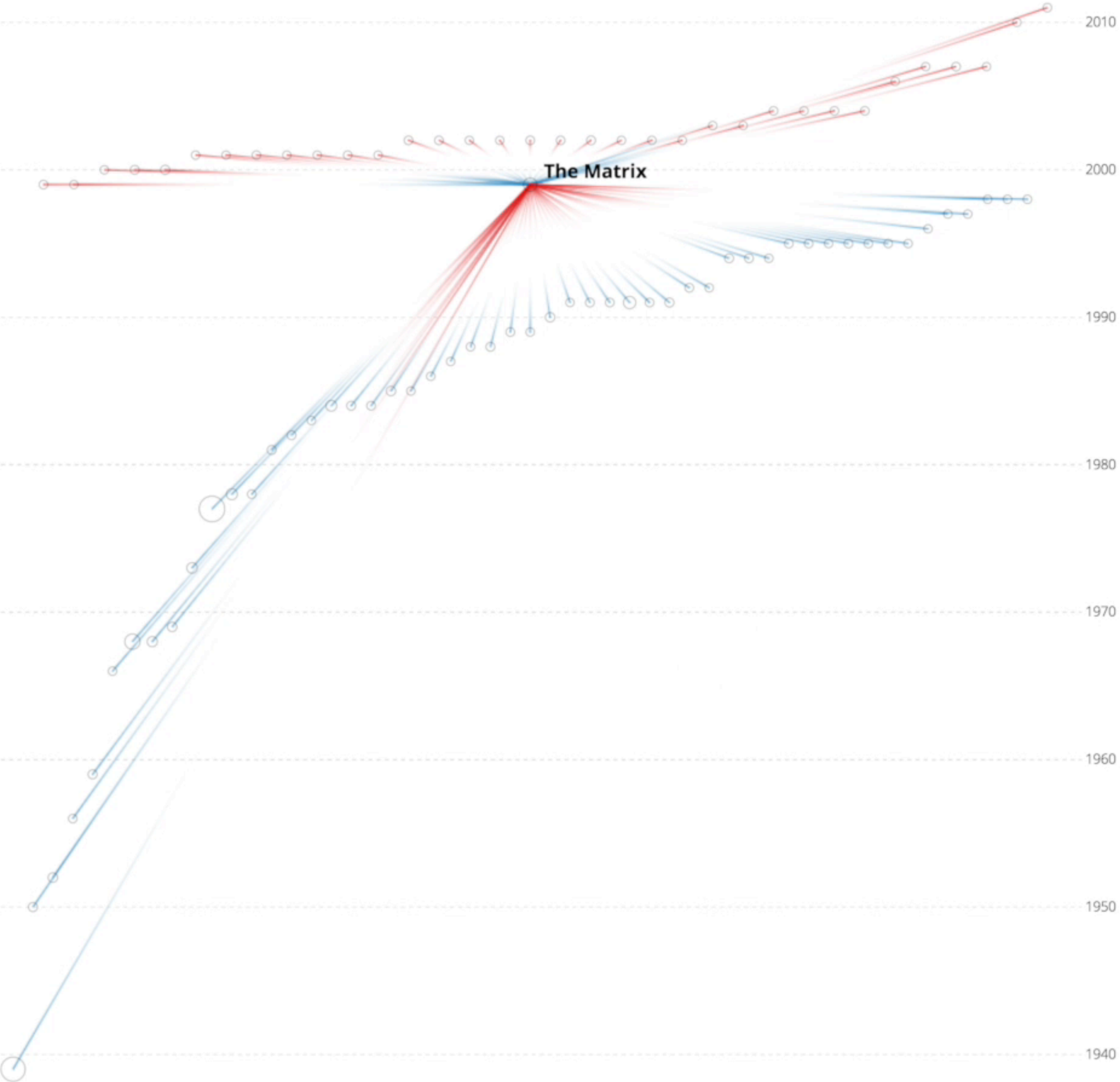
movies

- by movie
- by connectedness
- by community
- by genre

people

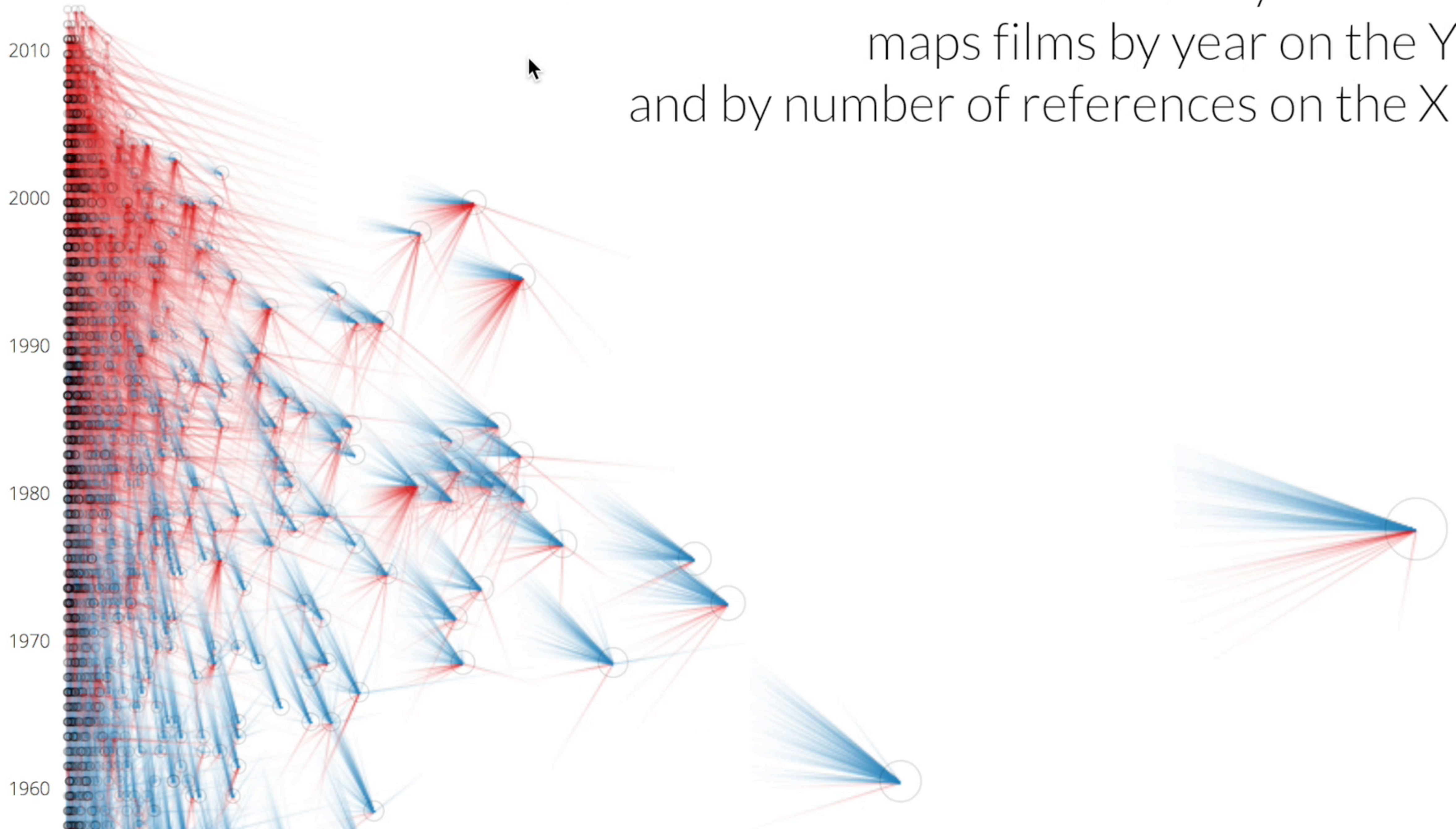
- by person
- by connectedness
- by community

- book
- findings
- credits



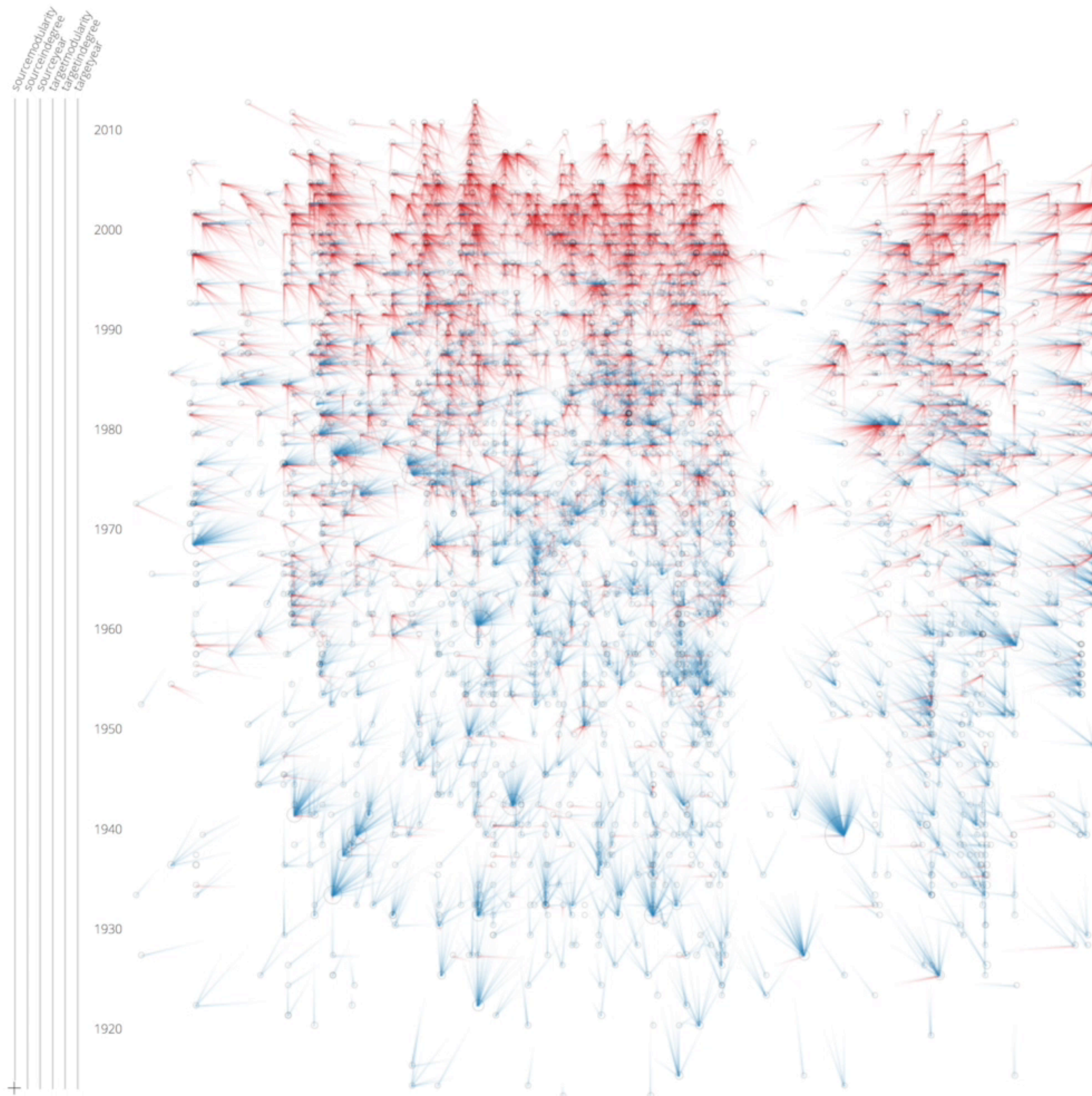


Movies by connections  
maps films by year on the Y axis  
and by number of references on the X axis.





Genre: ▼ all



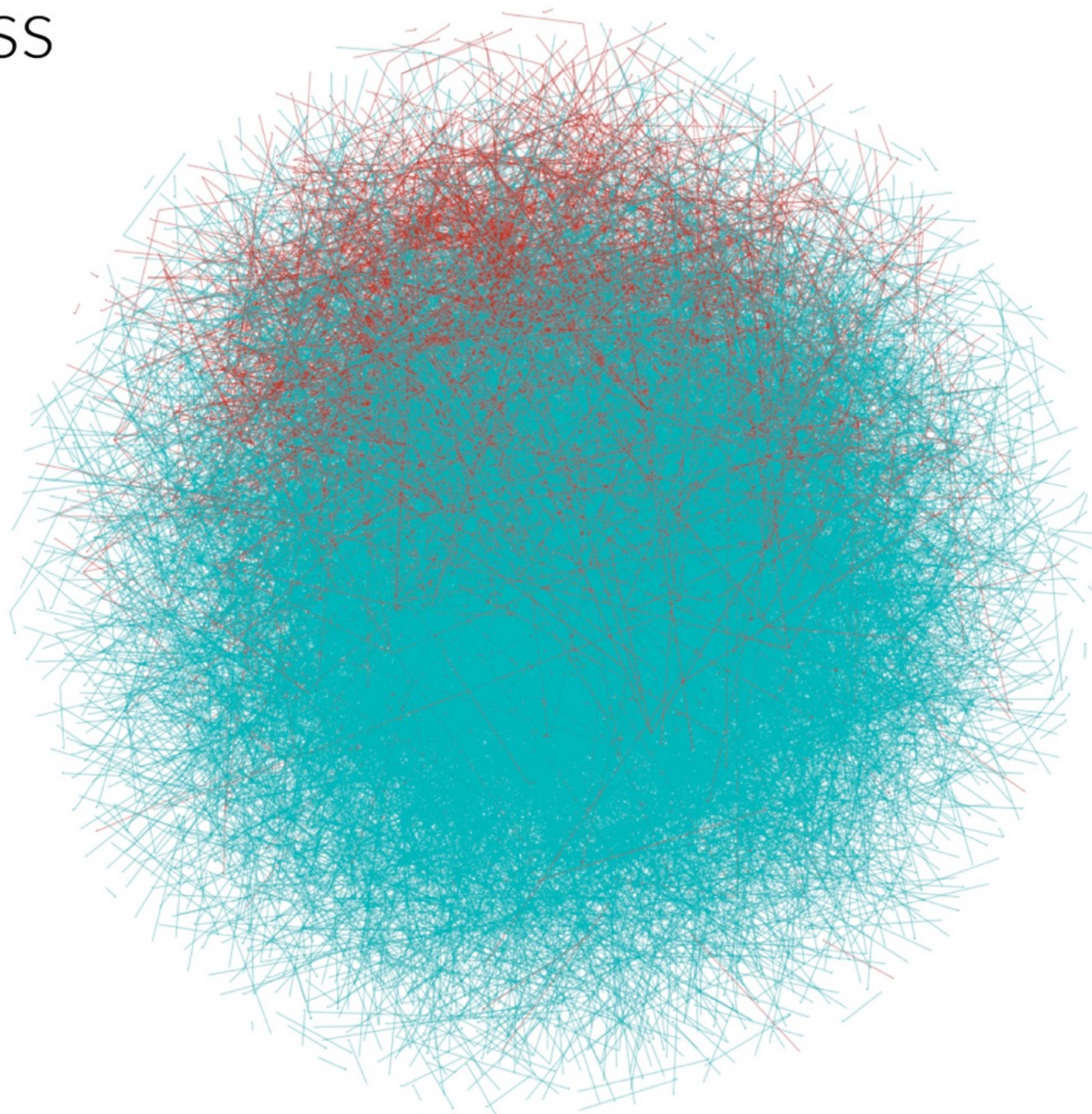
A second visualization  
orders the movies  
by communities  
on the X axis.







# Design Process

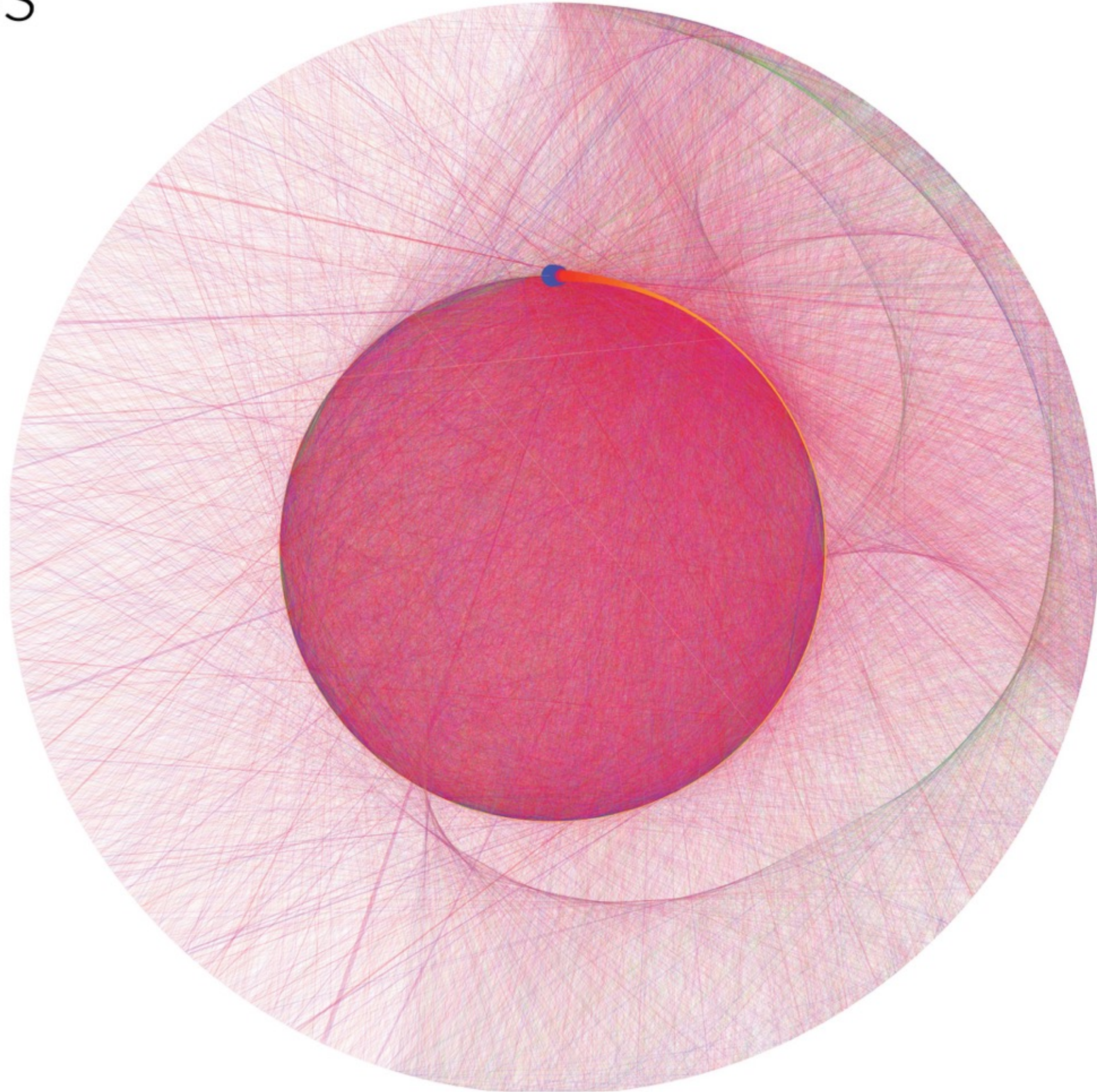


*Force-directed layout*

**red = Genre "Horror"**



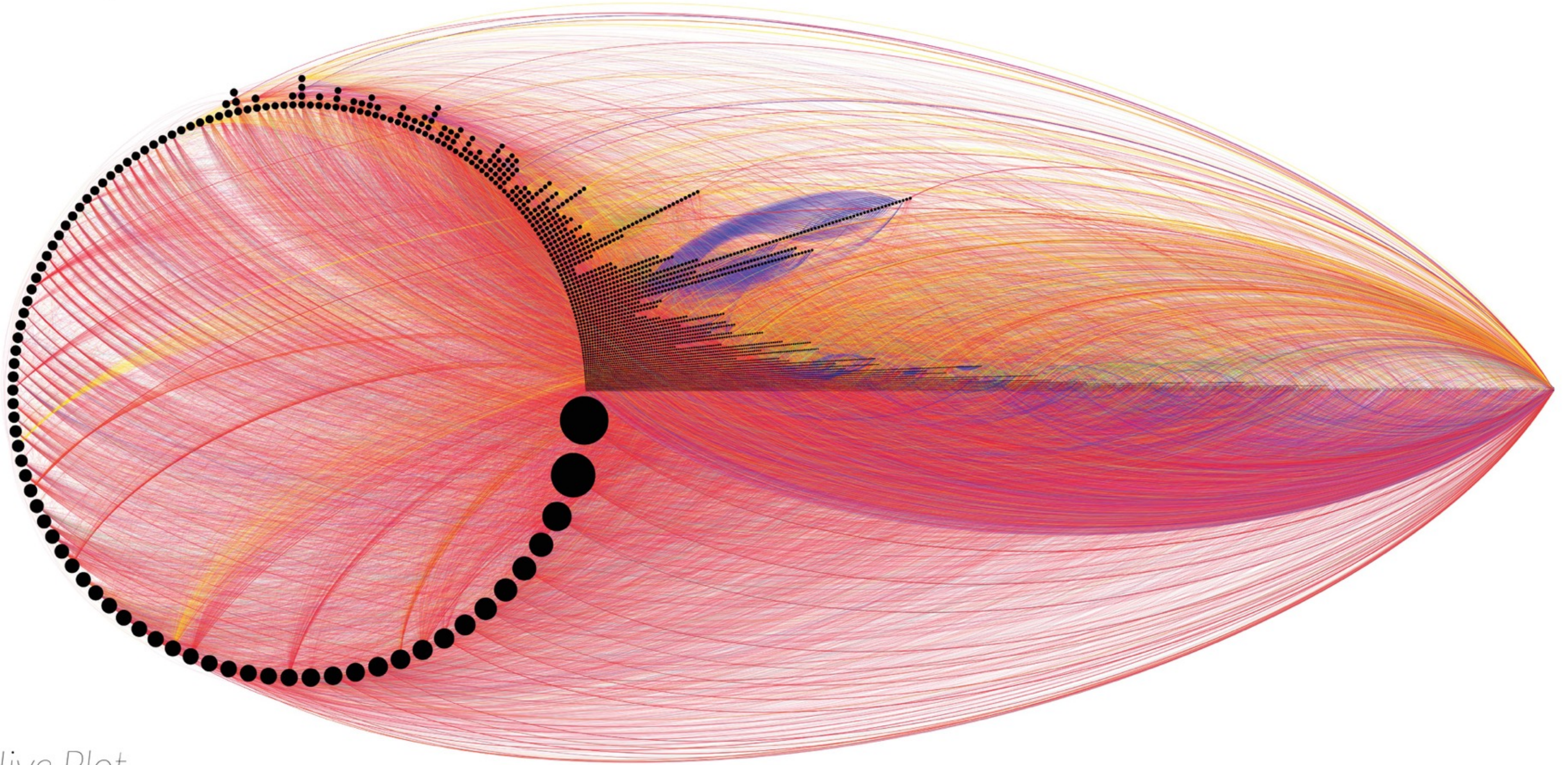
# Design Process



*Double circular layout*



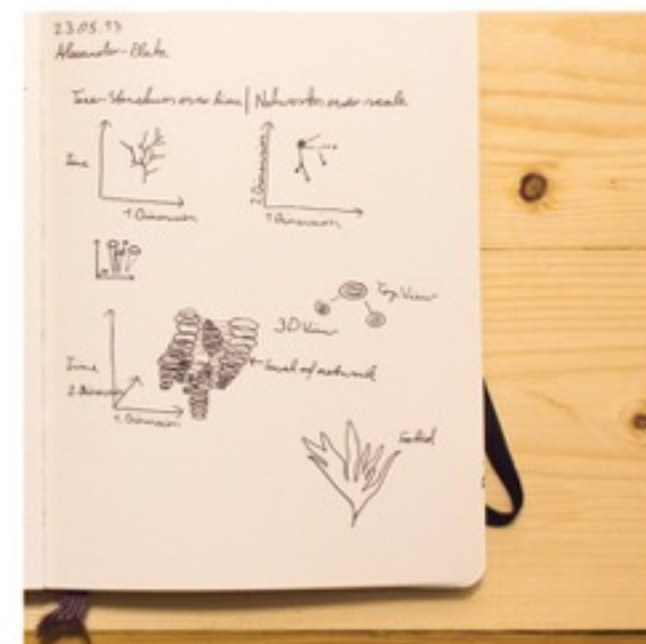
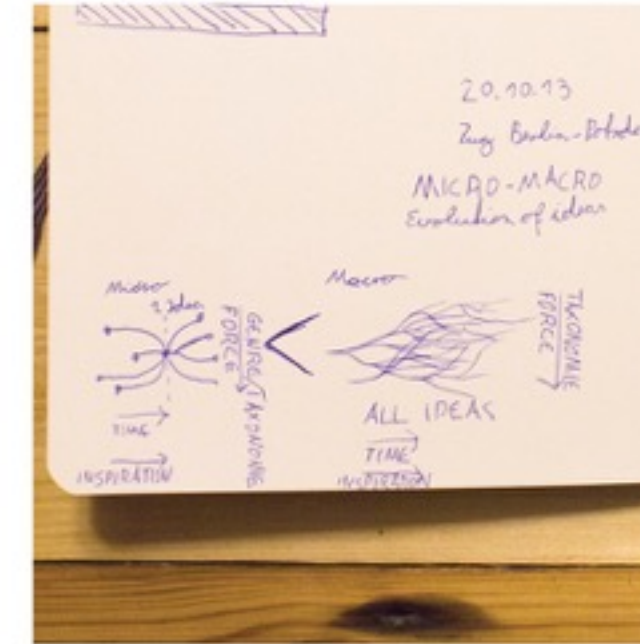
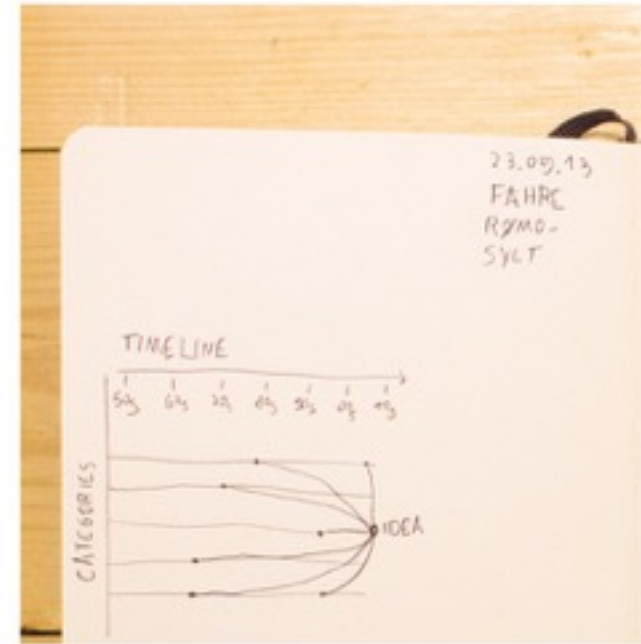
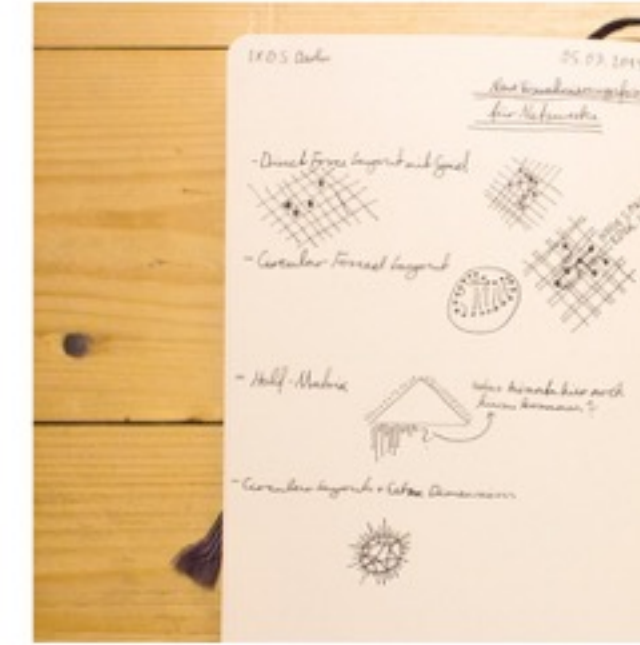
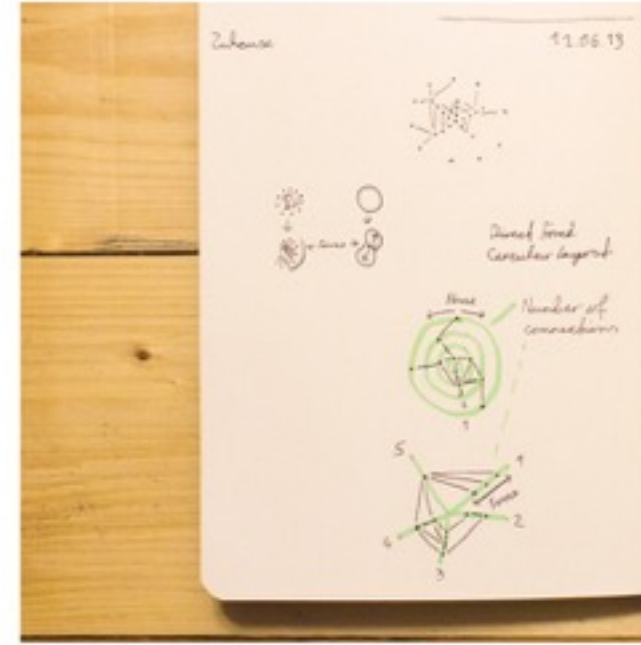
# Design Process



Hive Plot

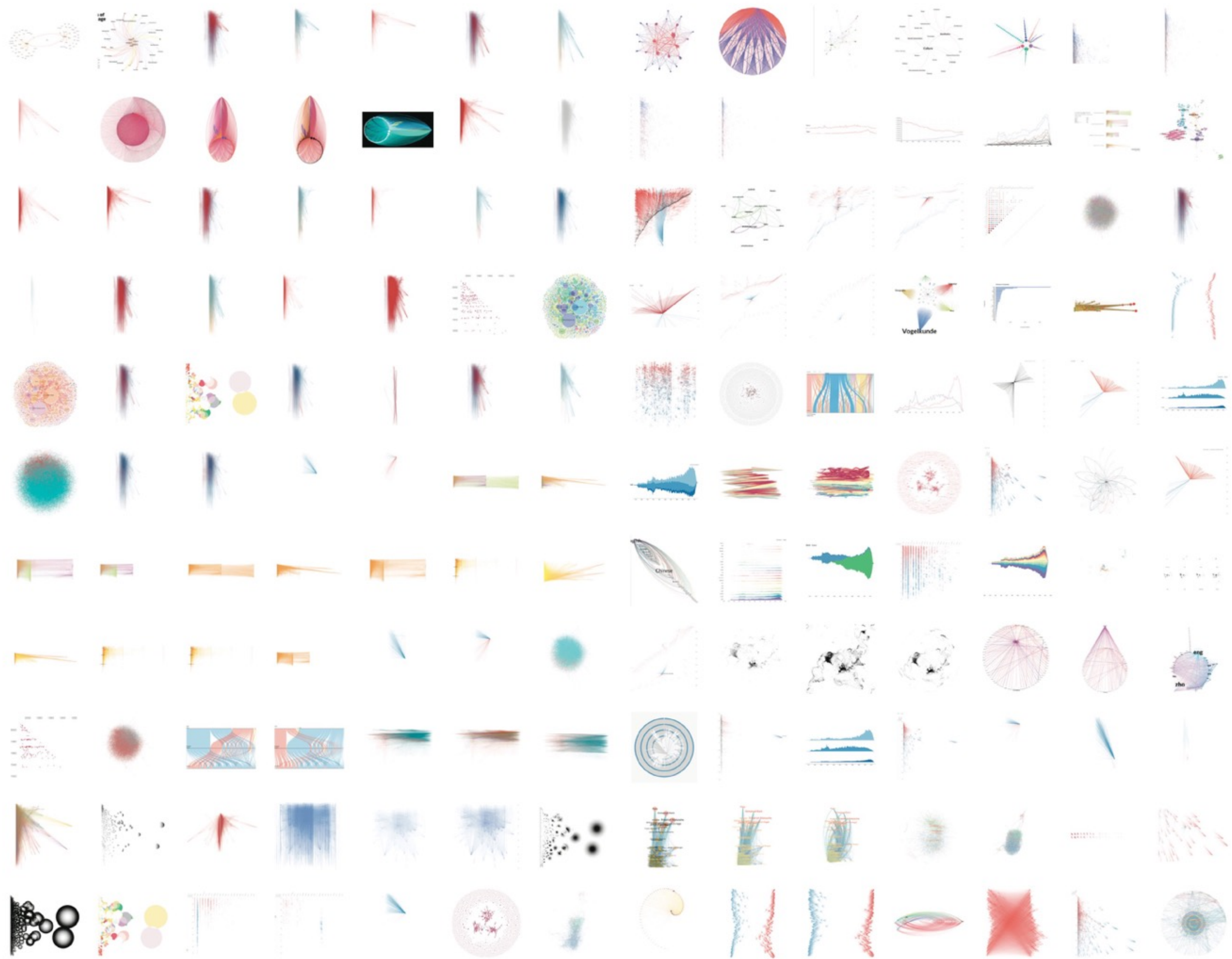


# Design Process





# Design Process





Who am I doing this for?  
What is the value?



Who am I doing this for?  
What is the value?

Not always clear  
nor easy to answer.



# Center for Complex Network Research



From explorative visualizations  
which help the scientists to  
**understand their subject matter**  
as well as **understand each other....**  
**...to tools for the online world.**



# Tennis & Success

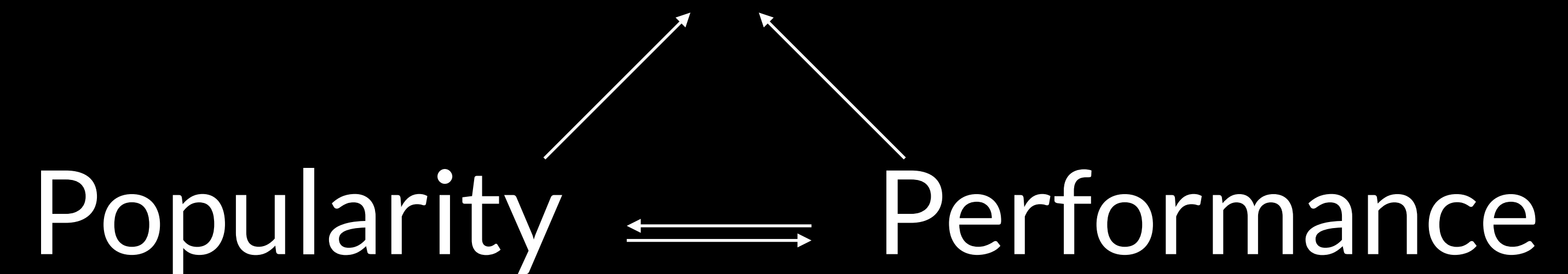
**Science by:**

Burcu Yucesoy

Albert-Laszlo Barabasi



# Tennis & Success









**The celebrity is a person  
who is known for his  
well-knownness.**

The Image: A Guide to Pseudo-Events in America.  
Pulitzer winning historian Daniel J. Boorstin







**How are performance  
and popularity related  
to each other?**



ROGER  
FEDERER

RANKING

3

SUI

f

AGE

34

(1981.08.08)

TURNED PRO

1998

WEIGHT

187

LBS (85KG)

HEIGHT

6'1"

(185CM)

BIRTHPLACE

BASEL, SWITZERLAND

RESIDENCE

SWITZERLAND

PLAYS

RIGHT-HANDED, ONE-HANDED BACKHAND

COACH

SEVERIN LUTHI AND STEFAN EDBERG

OVERVIEW

BIO

ACTIVITY

WIN/LOSS

TITLES & FINALS

PLAYER STATS

RANKINGS HISTORY

RANKINGS BREAKDOWN

AS OF 2015.10.19

SINGLES

DOUBLES

SINGLES	2015	3 RANK	– MOVE	53-9 W-L	5 TITLES	\$6,157,299 PRIZE MONEY
	CAREER	1 CAREER HIGH 2004.02.02		1049-236 W-L	87 TITLES	\$94,777,963 PRIZE MONEY SINGLES & DOUBLES COMBINED

PLAYER EQUIPMENT

Wilson Pro Staff RF97 Autograph

BUY NOW

Nike Zoom Vapor 9.5 Tour

BUY NOW

Nike Fall Premier RF Polo

BUY NOW

IN FOCUS

NEWS

VIDEO

Federer: "I Knew He Could Beat Me" Shanghai

Federer: Draw Analyst, Pizza Chef Shanghai

Federer, Nadal In Same Half of Shanghai Draw Shanghai

Novak & Roger: The Rivalry Best Rivalries

SEE MORE

SEE MORE

LAST EVENTS PLAYED

ATP

1000

ATP World Tour Masters 1000 Shanghai Shanghai, China 2015.10.12

SGL

56 DBL

24

Outdoor Hard

Total Financial Commitment

\$7,021,335

Prize Money

\$4,783,320

1 OF 7

SCORES

LATEST

ATP

ATP SCORES & STATS

SCORES CENTRE

WATCH LIVE

STATS CENTRE

500

ATP

Erste Bank Open Vienna, Austria

SCORES

DRAW

SCHEDULE

Quarterfinal - Centre Court

00:15:47

J. Rojer

H. Tecau

03

L. Kubot

M. Melo

02

Quarterfinal - Centre Court

01:14:04

D. Ferrer

F. Fognini

66

S. Johnson

K. Anderson

576

Winner: D. FERRER

Quarterfinal - Centre Court

02:37:53

M. Cilic

A. Kuznetsov

66

L. Pouille

R. Bautista Agut

42

R. Junaid

I. Zelenay

A. Rublev

D. Tursunov

7110

Winner: M. CILIC

Quarterfinal - Centre Court

01:10:24

L. Pouille

R. Bautista Agut

42

R. Junaid

I. Zelenay

A. Rublev

D. Tursunov

7110

Winner: R. BAUTISTA AGUT

Semifinal - Court 1

01:17:36

R. Junaid

I. Zelenay

567

A. Rublev

D. Tursunov

7110

Winners: RUBLEV / TURSUNOV

250

ATP

If Stockholm Open Stockholm, Sweden

SCORES

DRAW

SCHEDULE



ROGER

FEDERER

RANKING

3

SUI

AGE

34

(1981.08.08)

TURNED PRO

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SEVERIN LUTHI AND STEFAN EDBERG

OVERVIEW	BIO	ACTIVITY	WIN/LOSS	TITLES & FINALS	PLAYER STATS	RANKINGS HISTORY	RANKINGS BREAKDOWN
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AS OF 2015.10.19  

SINGLES	2015	3 RANK	— MOVE	53-9 W-L	5 TITLES	\$6,157,299 PRIZE MONEY
	CAREER	1 CAREER HIGH 2004.02.02		1049-236 W-L	87 TITLES	\$94,777,963 PRIZE MONEY SINGLES & DOUBLES COMBINED

## PLAYER EQUIPMENT


























IN FOCUS NEWS VIDEO

**PREMIUM CONTENT**

A photograph of Novak Djokovic and Roger Federer standing side-by-side, both holding trophies. Djokovic is on the left, wearing a grey polo shirt, and Federer is on the right, wearing a red polo shirt. They are both smiling. The background is a blurred crowd of spectators.[SEE MORE](#)[SEE MORE](#)

### LAST EVENTS PLAYED

 <b>ATP World Tour Masters 1000 Shanghai</b> Shanghai, China <b>2015.10.12</b>	 SGL 56 DBL 24	 Outdoor Hard	 <b>Total Financial Commitment</b> \$7,021,335	 <b>Prize Money</b> \$4,783,320	1 OF 7
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SCORES		LATEST	
Infos ATP SCORES & STATS			
SCORES	WATCH	STATS	
CENTRE	LIVE	CENTRE	
<div>  <div> <b>Erste Bank Open</b>            Vienna, Austria         </div> </div>			
SCORES	DRAW	SCHEDULE	
<div> <b>Quarterfinal - Centre</b>            Court         </div>			
<div>  <b>J. Rojer</b>   <b>H. Tecau</b> </div>	<div>  </div>	<div>           0 3         </div>	
<div>  <b>L. Kubot</b>   <b>M. Melo</b> </div>		<div>           0 2         </div>	
<div> <b>Quarterfinal - Centre</b>            Court         </div>			
<div>  <b>D. Ferrer</b> </div>	<div>  </div>	<div>           6 6         </div>	
<div>  <b>F. Fognini</b> </div>		<div>           4 2         </div>	
Winner: D. FERRER			
<div> <b>Quarterfinal - Centre</b>            Court         </div>			
<div>  <b>S. Johnson</b> </div>	<div>  </div>	<div>           5 7 6         </div>	
<div>  <b>K. Anderson</b> </div>		<div>           7 6 5 4         </div>	
Winner: S. JOHNSON			
<div>  <div> <b>Kremlin Cup by Bank of Moscow</b>            Moscow, Russia         </div> </div>			
SCORES	DRAW	SCHEDULE	
<div> <b>Quarterfinal - Centre</b>            Court         </div>			
<div>  <b>M. Cilic</b> </div>	<div>  </div>	<div>           6 6         </div>	
<div>  <b>A. Kuznetsov</b> </div>		<div>           2 1         </div>	
Winner: M. CILIC			
<div> <b>Quarterfinal - Centre</b>            Court         </div>			
<div>  <b>L. Pouille</b> </div>		<div>           4 2         </div>	
<div>  <b>R. Bautista Agut</b> </div>	<div>  </div>	<div>           6 6         </div>	
Winner: R. BAUTISTA AGUT			
<div> <b>Semifinal - Court 1</b> </div>			
<div>  <b>R. Junaid</b>   <b>I. Zelenay</b> </div>		<div>           5 6 7         </div>	
<div>  <b>A. Rublev</b>   <b>D. Tursunov</b> </div>	<div>  </div>	<div>           7 1 10         </div>	
Winners: RUBLEV / TURSUNOV			
<div>  <div> <b>If Stockholm Open</b>            Stockholm, Sweden         </div> </div>			
SCORES	DRAW	SCHEDULE	

# Roger Federer

From Wikipedia, the free encyclopedia

*"Federer" redirects here. For other uses, see [Federer \(disambiguation\)](#).*

**Roger Federer** (German: [ˈfɛːdərə]; born 8 August 1981) is a Swiss professional tennis player who is currently ranked world No. 3 by the [Association of Tennis Professionals](#) (ATP).<sup>[4]</sup> Many commentators and players regard Federer as [the greatest tennis player of all time](#).<sup>[a]</sup> Federer turned professional in 1998 and has been ranked inside the top 10 since October 2002.

Federer holds several records of the **Open Era**: holding the **world No. 1 position** for 302 weeks<sup>[18][19]</sup> (including **237 consecutive weeks**);<sup>[20]</sup> winning 17 **Grand Slam** singles titles; reaching each Grand Slam final at least five times (an all-time record); and reaching the **Wimbledon** final ten times. He is among the seven men (and among the four in Open Era) to capture a **career Grand Slam**. Federer shares an Open Era record for most titles at Wimbledon with **Pete Sampras** (7) and at the **US Open** with **Jimmy Connors** and Sampras (5).

Federer has reached 27 men's singles Grand Slam finals, including 10 in a row from the [2005 Wimbledon Championships](#) to the [2007 US Open](#), both statistics being records. He also appeared in 18 of 19 finals from the 2005 Wimbledon through to the [2010 Australian Open](#). He reached the semifinals at 23 consecutive Grand Slam tournaments, from the [2004 Wimbledon Championships](#) through the

## Roger Federer



### Federer at the 2009 Wimbledon Championships

Country (sports)  SwitzerlandResidence [Bottmingen, Switzerland<sup>\[1\]</sup>](#)

**Born** 8 August 1981 (age 34)  
Basel, Switzerland

<b>Height</b>	1.85 m (6 ft 1 in) <sup>[2]</sup>
---------------	-----------------------------------

Turned pro	1998
------------	------

<b>Plays</b>	Right-handed (one-handed backhand)
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Prize money	US\$ 94,777,963
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**Official website** [rogerfederer.com](http://rogerfederer.com) 

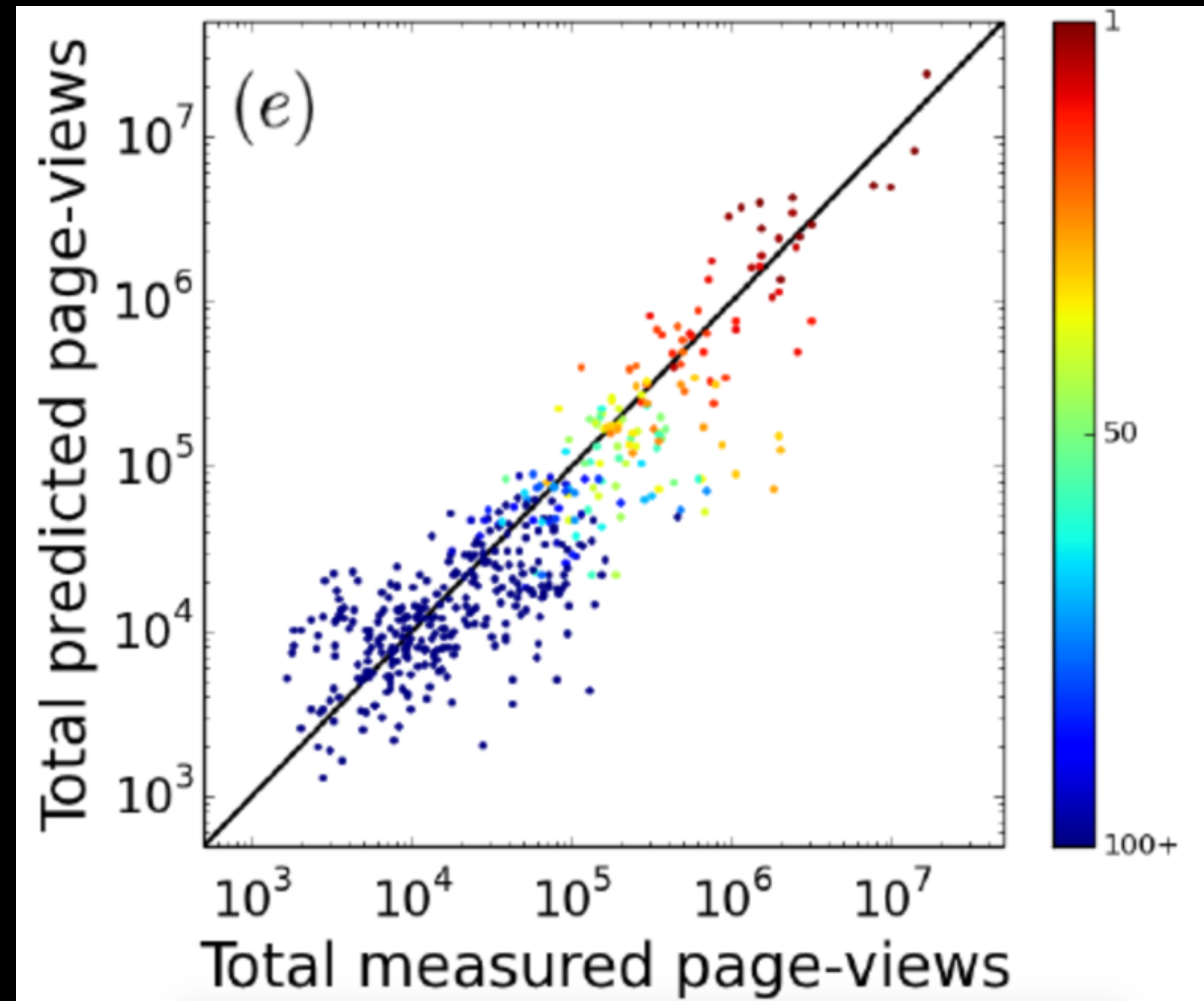
## Singles

**Career record** 1049–236 (81.63% in [Grand Slam](#) and [ATP World Tour](#) main draw matches, and in [Davis Cup](#))

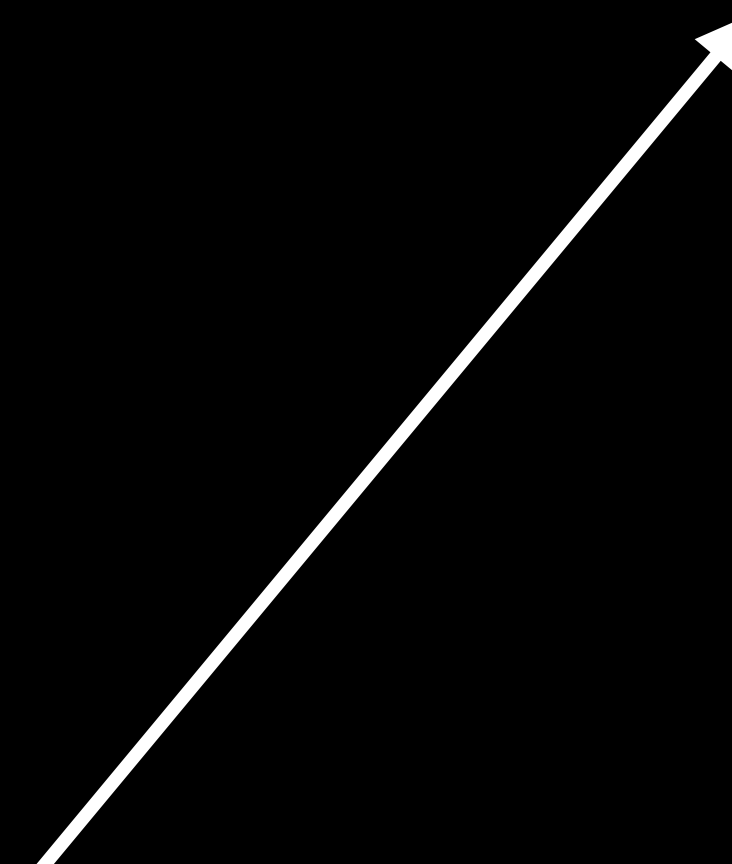
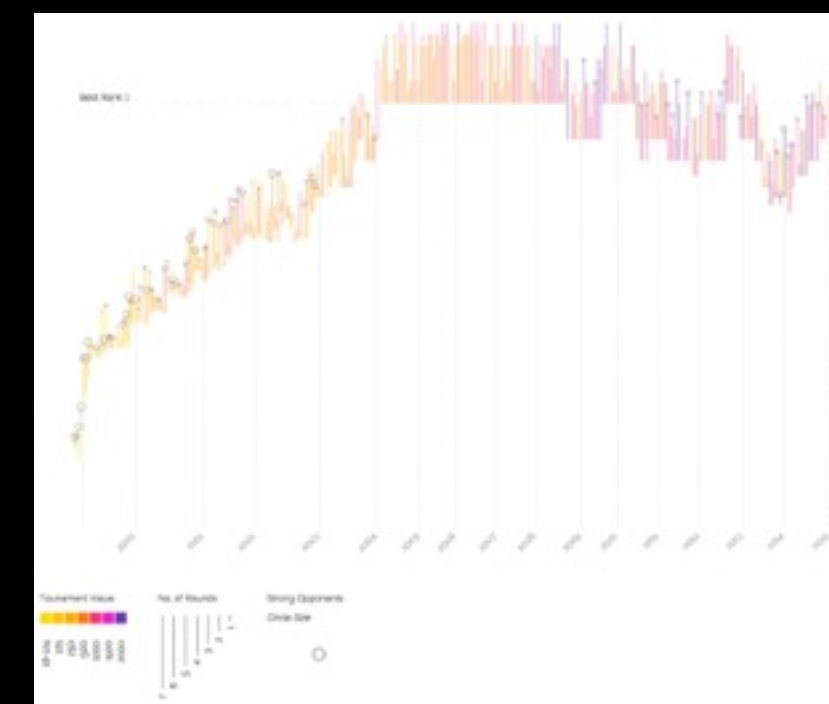
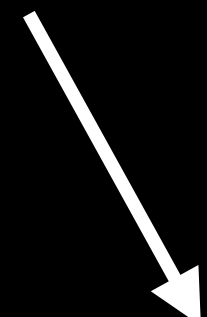
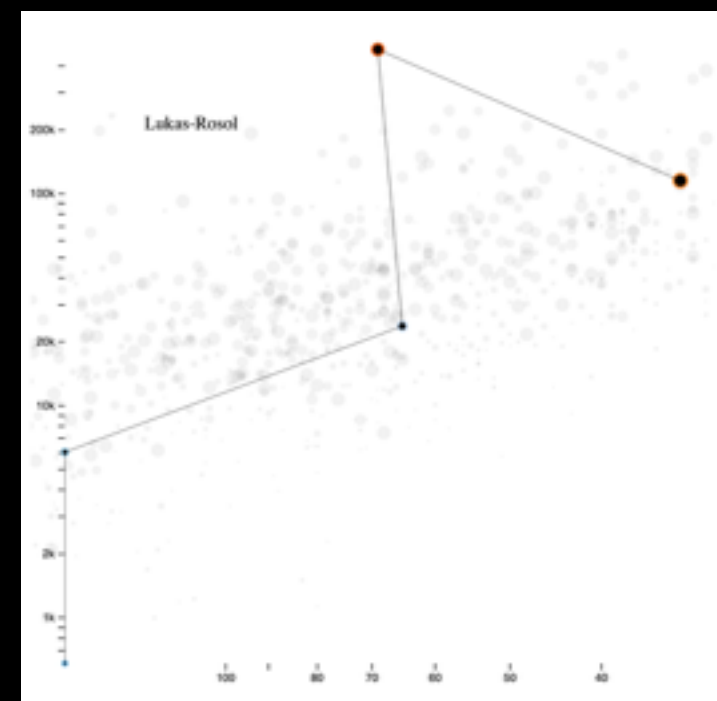
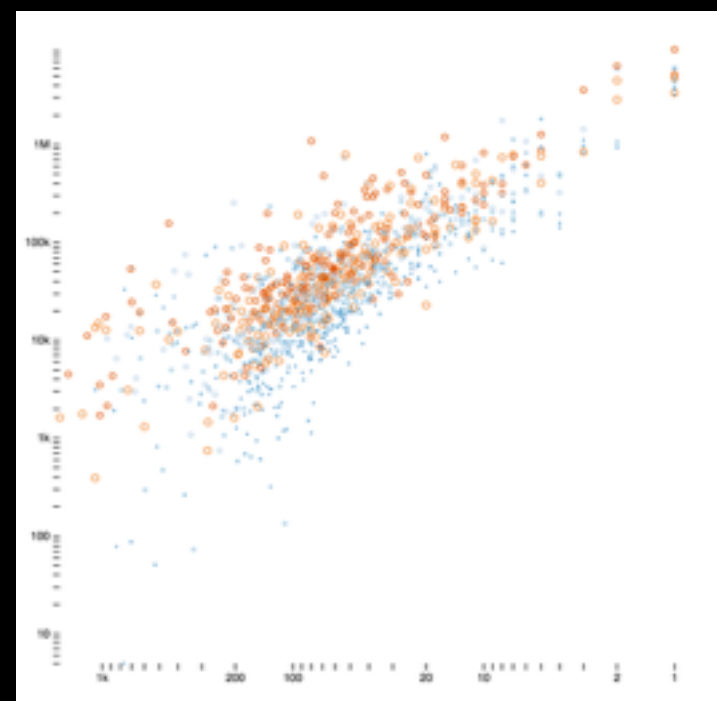
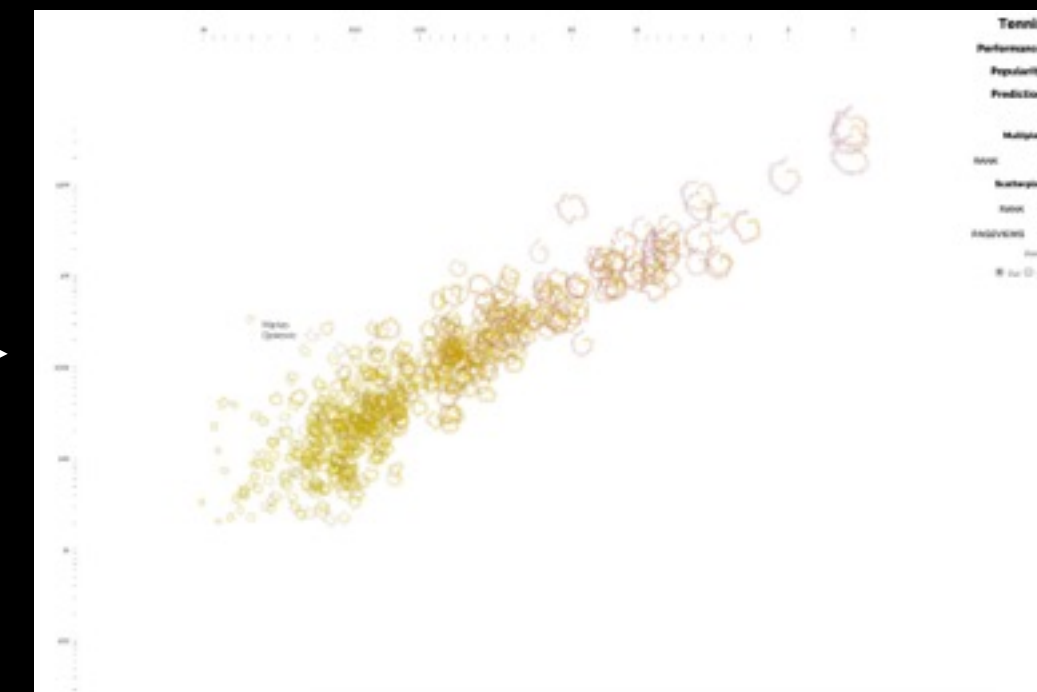
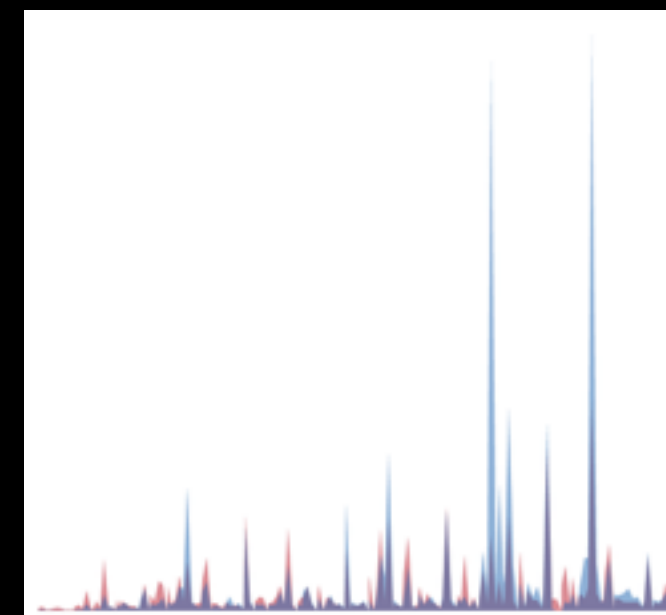
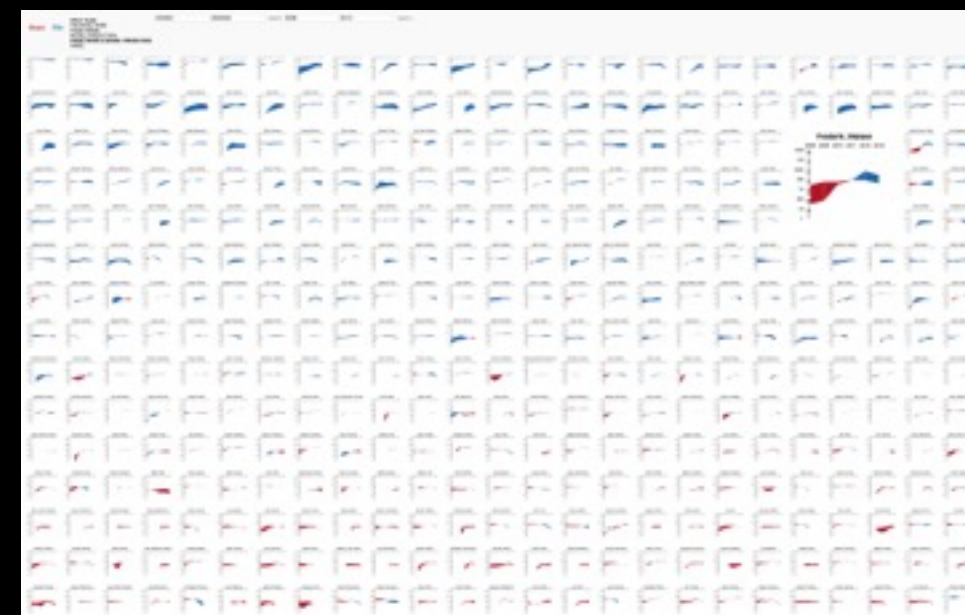
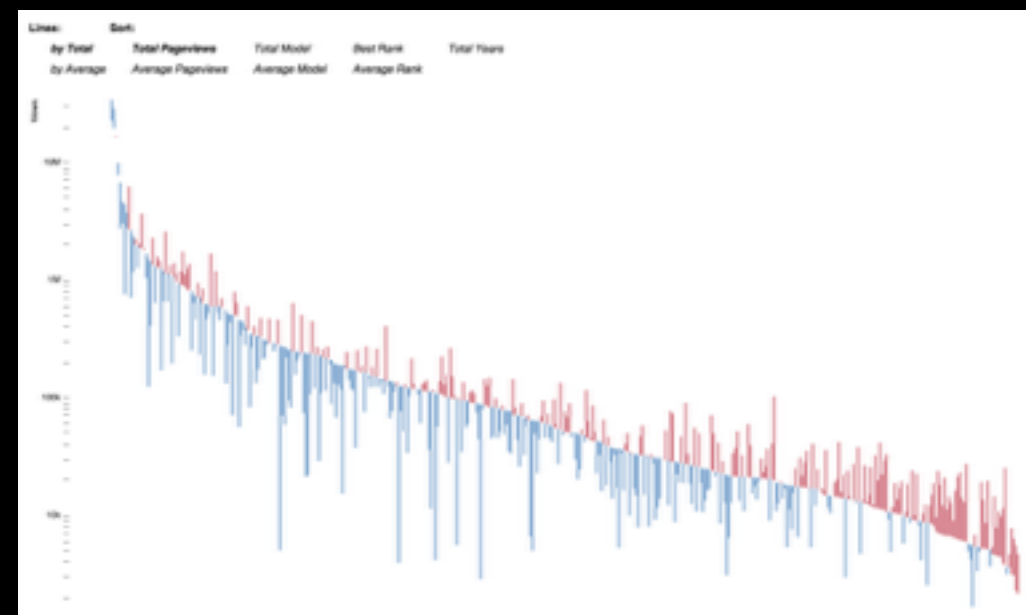
<b>Career titles</b>	87 (3rd in the Open Era)
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# Status quo







Design Process

@kimay



# Cosmic Web

**Science by:**

B. C. Coutinho

Sungryong Hong

Arjun Dey

Albert-Laszlo Barabasi

Lars Hernquist

Mark Vogelsberger



**epilogue**



Sciences — Humanities

“The Two Cultures”

C. P. Snow



Sciences — Humanities

“The Two Cultures”

Visualization as a “boundary object”  
or “trading zone” connecting  
Sciences & Humanities



Visualizations as  
knowledge generators.



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***kimalbrecht.com***  
*center for complex network research*

*projects:*  
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