movies, tennis & the universe

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

Thanks to: Ágnes Horvát & Andreas Spitz

Internet Movie Database
Alice in Wonderland (1951)
Connections
Movies by connections maps films by year on the Y axis and by number of references on the X axis.
A second visualization orders the movies by communities on the X axis.
By genre shows how connected different genres are to each other.
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.
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

Popularity ↔ Performance
The celebrity is a person who is known for his well-knownness.

Pulitzer winning historian Daniel J. Boorstin
How are performance and popularity related to each other?
Roger Federer

Roger Federer (German: [ˈfɛdɛʁɐ]; born 8 August 1981) is a Swiss professional tennis player who is currently ranked world No. 3 by the Association of Tennis Professionals (ATP).[4] Many commentators and players regard Federer as the greatest tennis player of all time.[5] 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 (including 237 consecutive weeks),[23] 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 Australian Open to the 2016 Australian Open. He is the only man in the Open Era to reach at least the semifinals of all four Grand Slam singles tournaments in the same year.

Federer has won 19 Grand Slam men's singles titles and 28 ATP World Tour singles titles. He is the only man to have won at least two singles titles in each of the calendar years from 2001 to 2017. He is the first and only man to have won a singles title at the Australian Open, French Open, Wimbledon, and US Open in the same year, a record that he has achieved a record 16 times. He is a three-time Olympic gold medalist (2008, 2012, 2016). Federer's career earnings exceed $100 million, which is the highest in men's tennis history.
Status quo
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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