03 – Ways of Seeing (1)

Kieran Healy

January 24, 2024

Ways of Seeing (1)

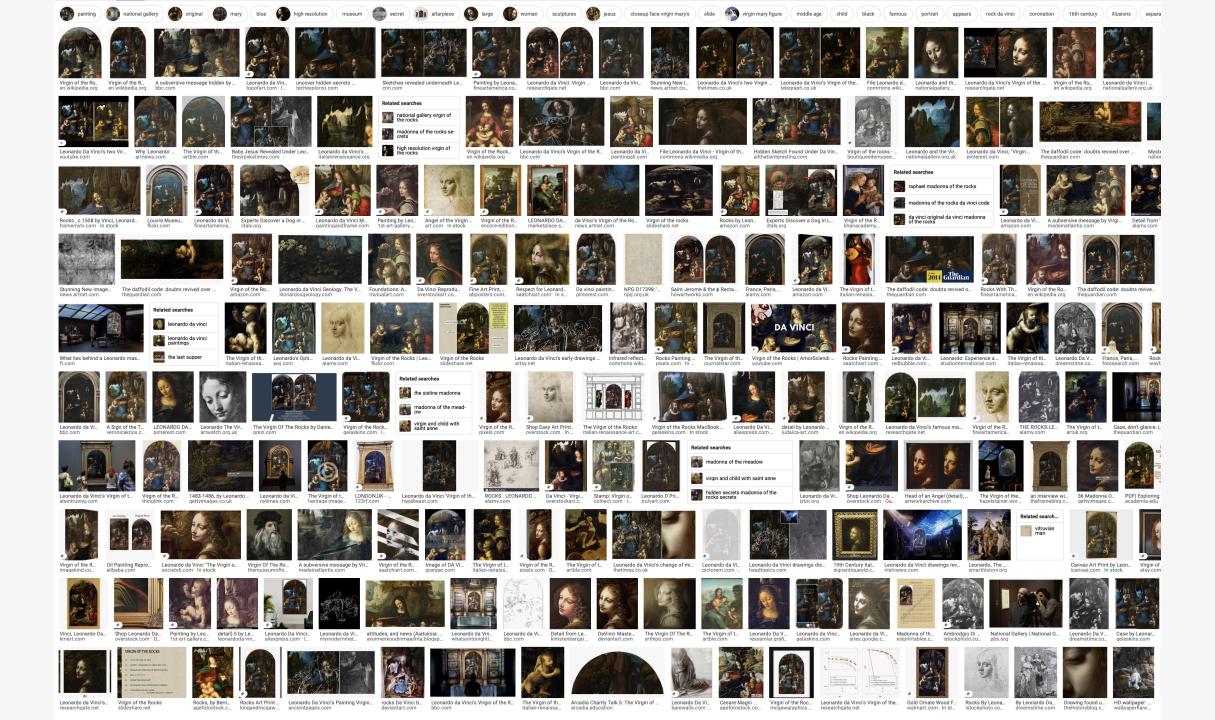






"The process of seeing paintings, or seeing anything else, is less spontaneous and natural than we tend to believe."







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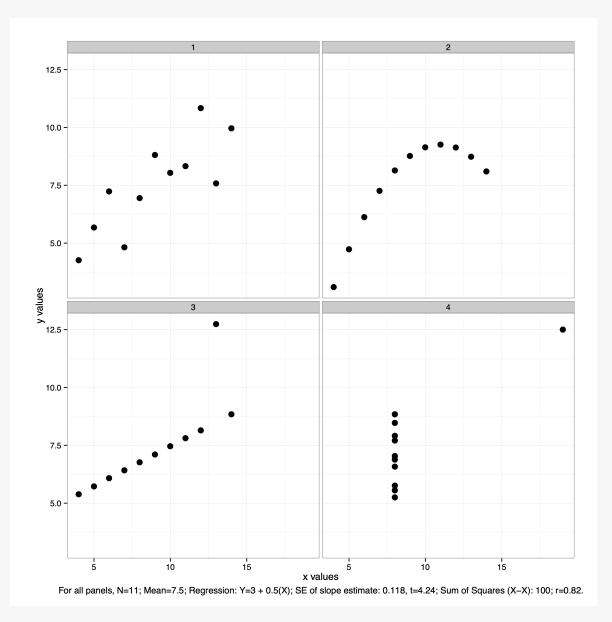
Megan Fox

is well known for her starring and supporting roles in blockbuster action, thriller and comedy studio and independent films. Fox is currently in production on another major blockbuster film due to be released in June 2014.

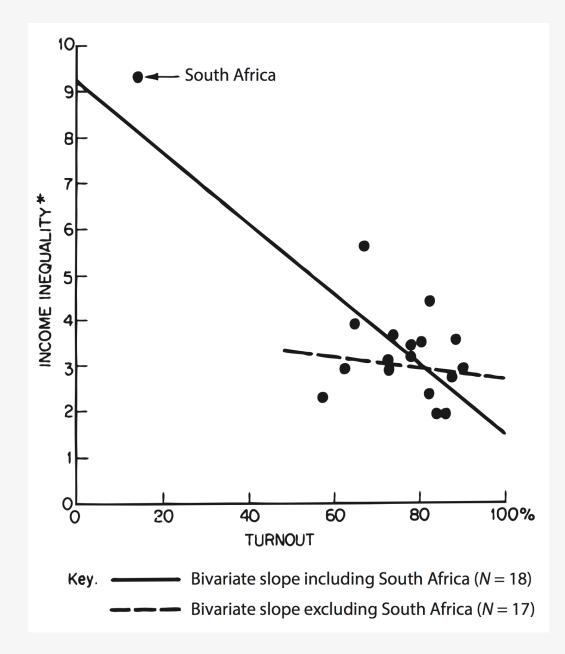
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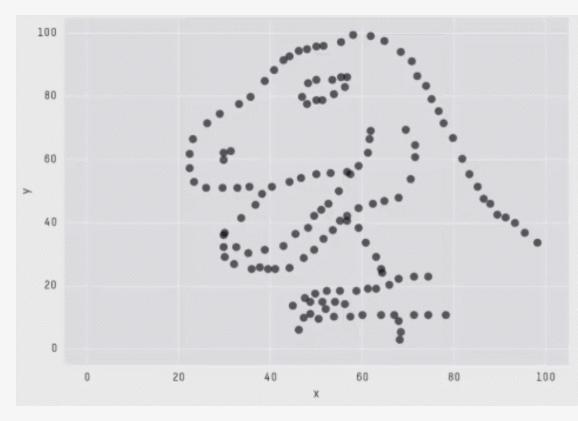
You should look at your data

Seeing things



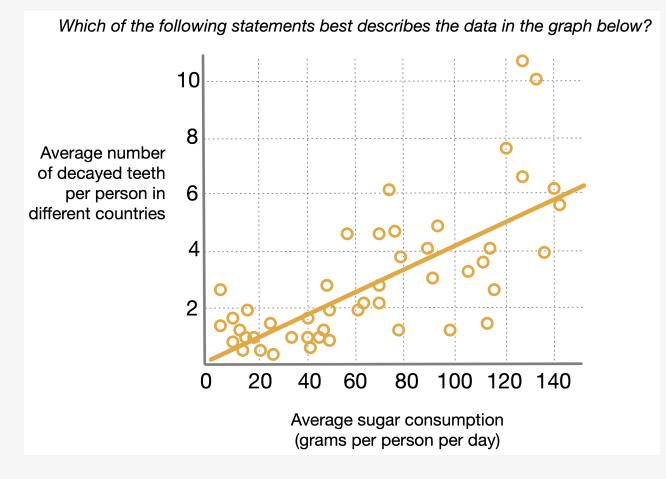
Anscombe's Quartet





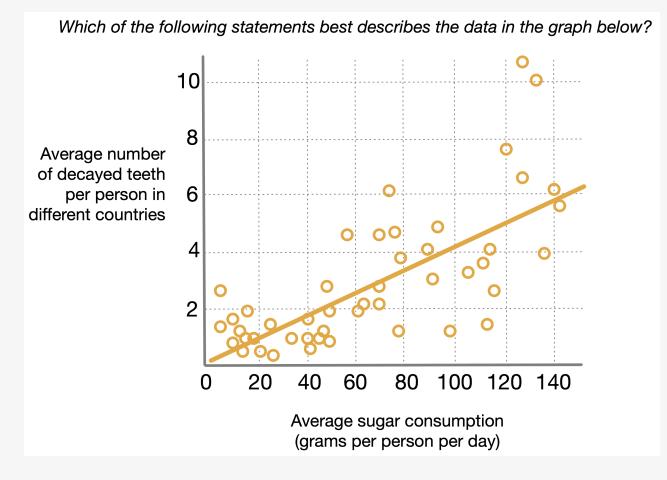
Х	Mean:	54.2659224
Y	Mean:	47.8313999
Х	SD :	16.7649829
Y	SD :	26.9342120
Сс	orr. :	-0.0642526

Cairo; Matejka & Fitzmaurice



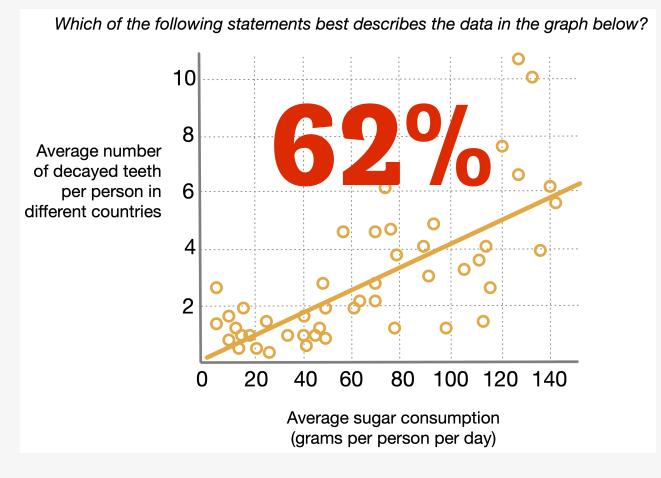
Pew Research

- A. In recent years, the rate of cavities has increased in many countries
- B. In some countries, people brush their teeth more frequently than in other countries
- C. The more sugar people eat, the more likely they are to get cavities
- D. In recent years, the consumption of sugar has increased in many countries



Pew Research

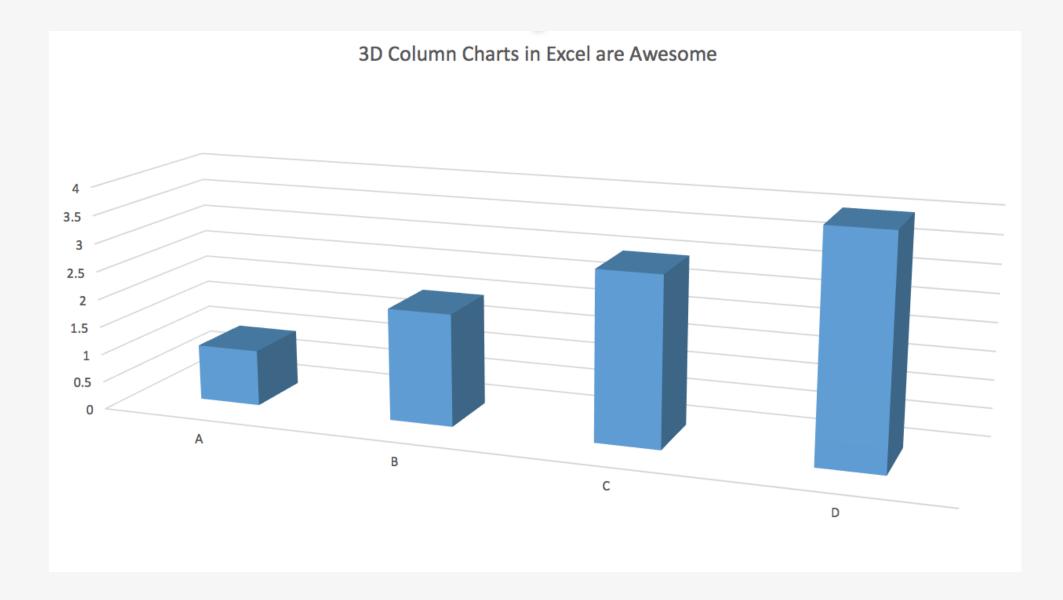
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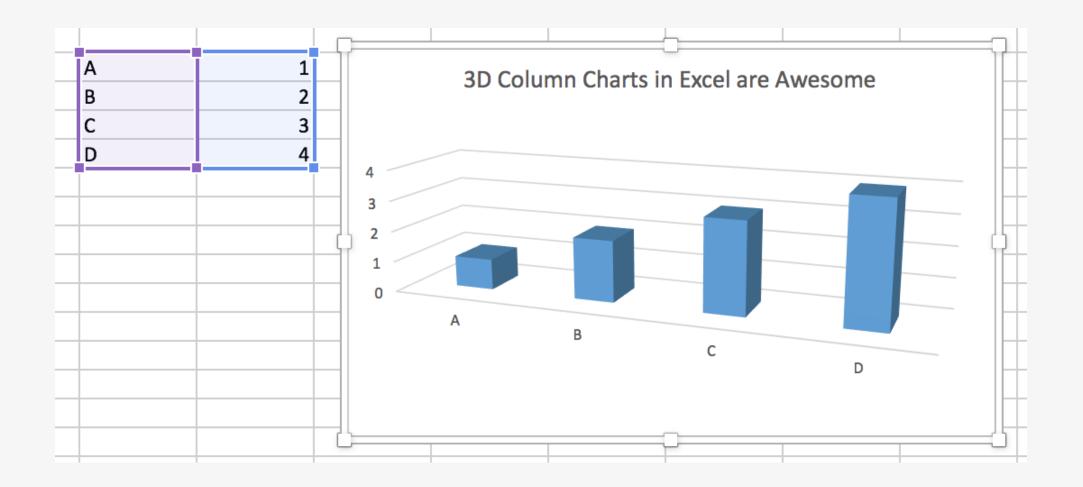


Pew Research

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Not Seeing Things

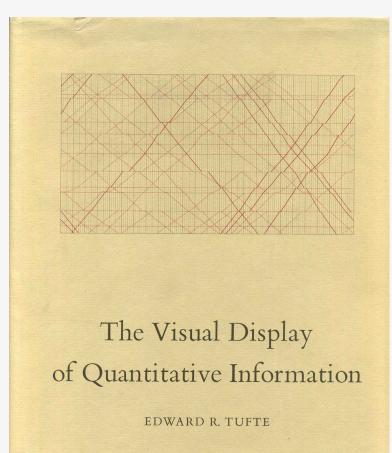


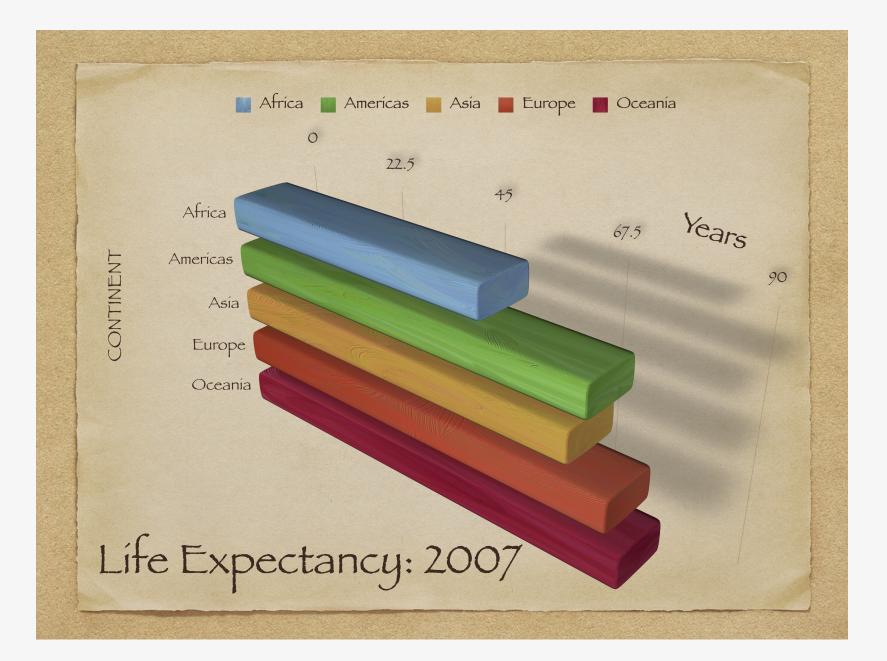


Bad Taste Bad Data Bad Perception

Bad Taste: Simplify, Simplify?

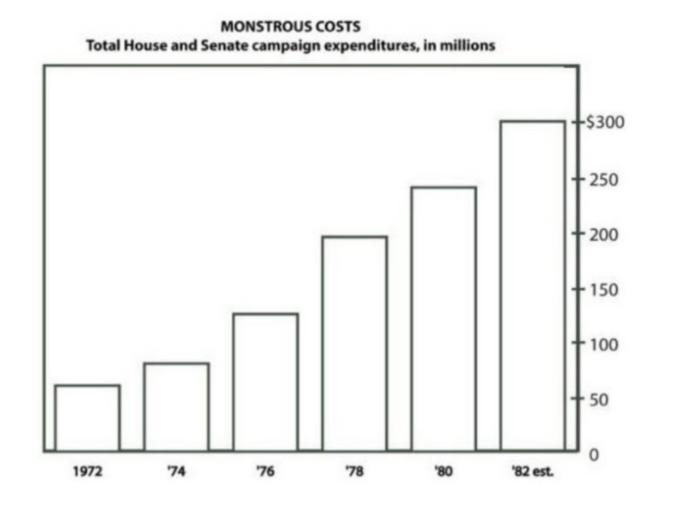
Tufte's "Data to Ink Ratio"

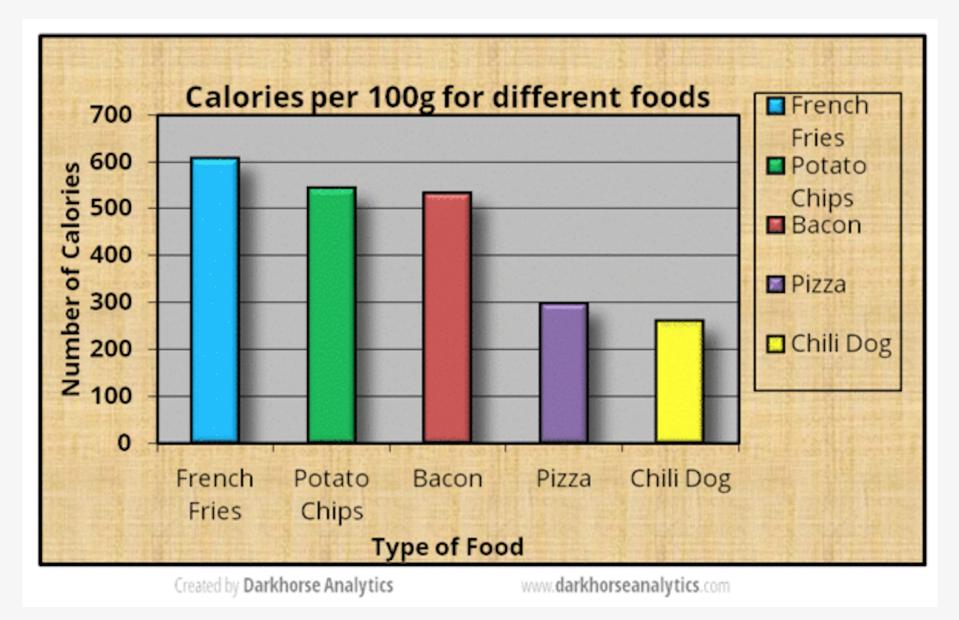




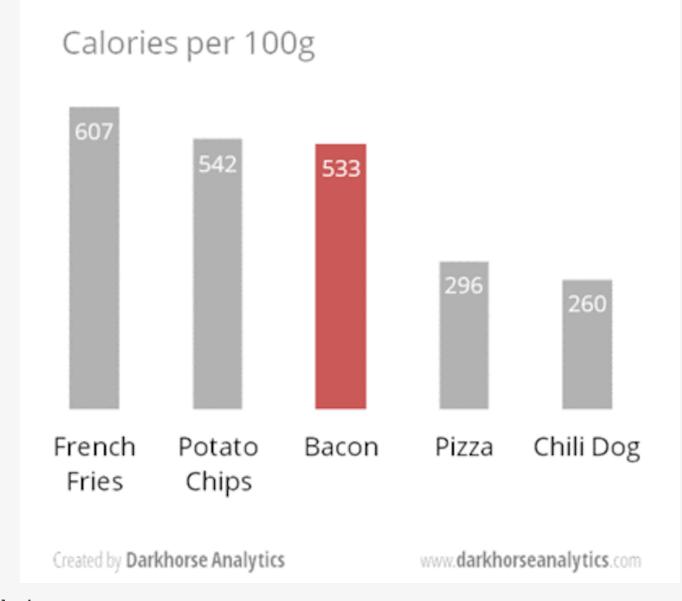


Nigel Holmes

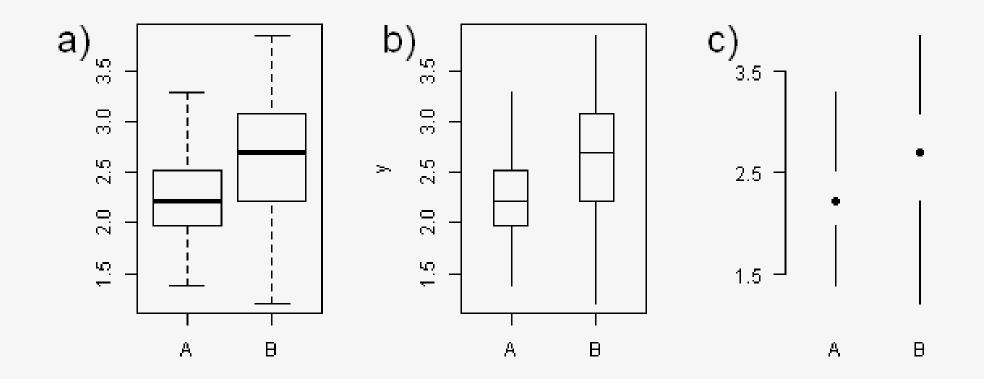




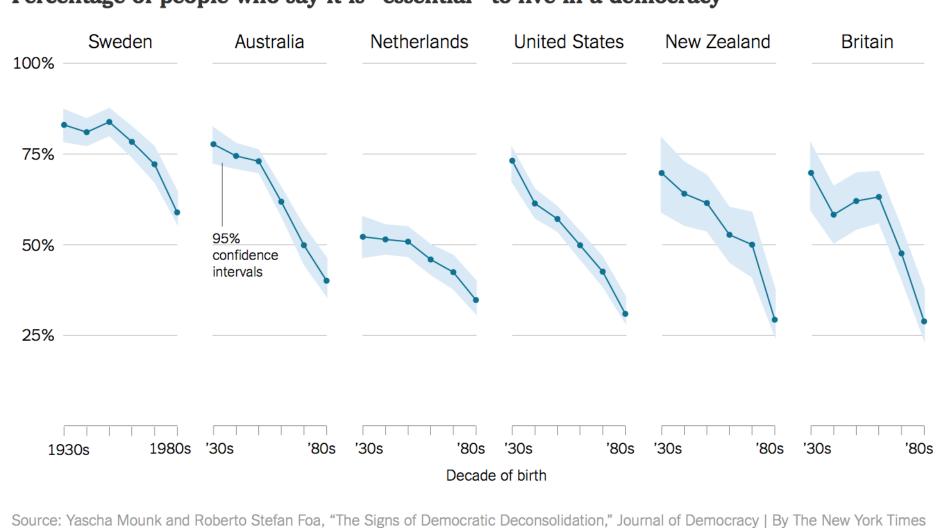
Darkhorse Analytics



Darkhorse Analytics

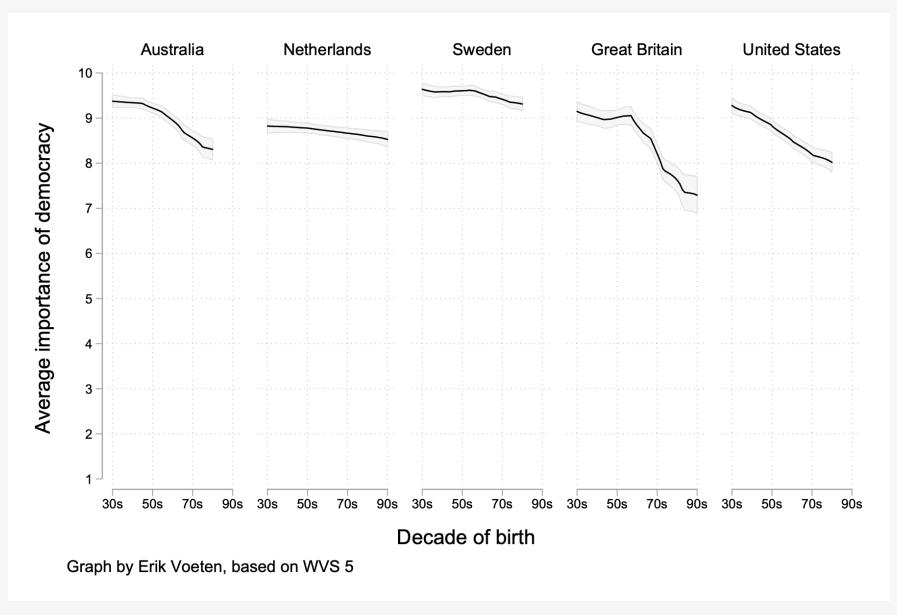


Bad Data: Junk-Free Junk Charts



Percentage of people who say it is "essential" to live in a democracy

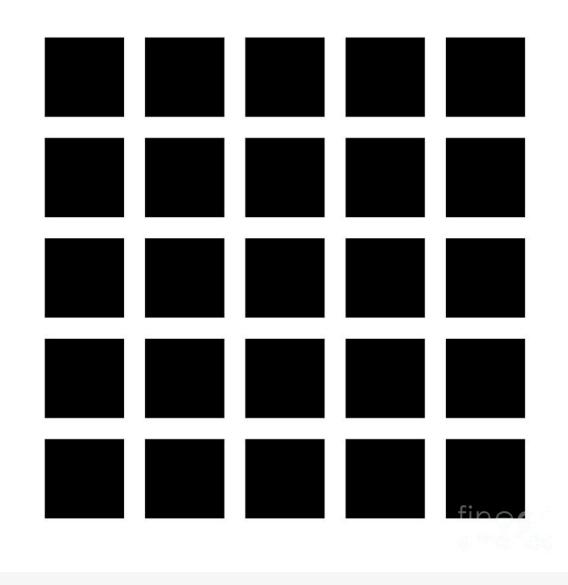
New York Times



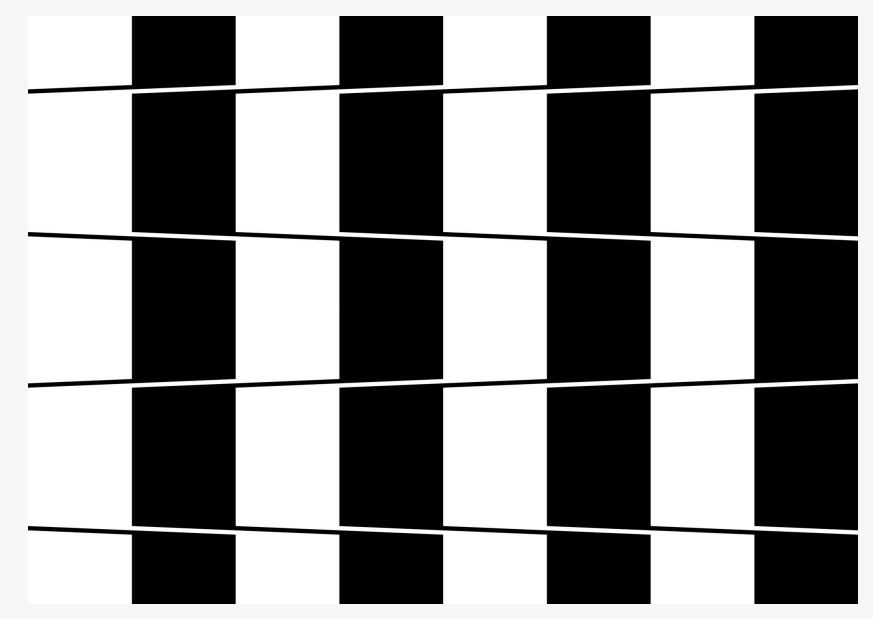
Erik Voeten

Bad Perception: Seeing and Not Seeing

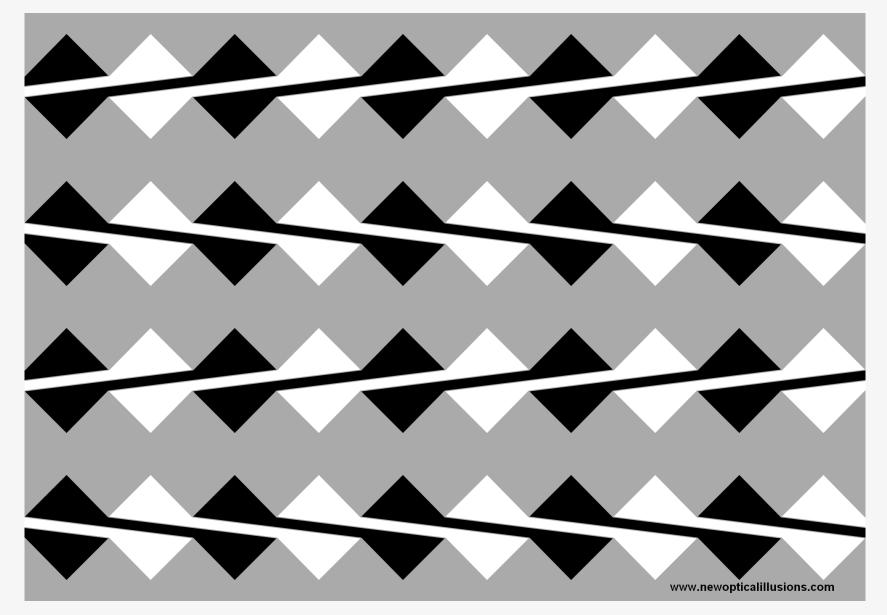
Edges & Contrasts



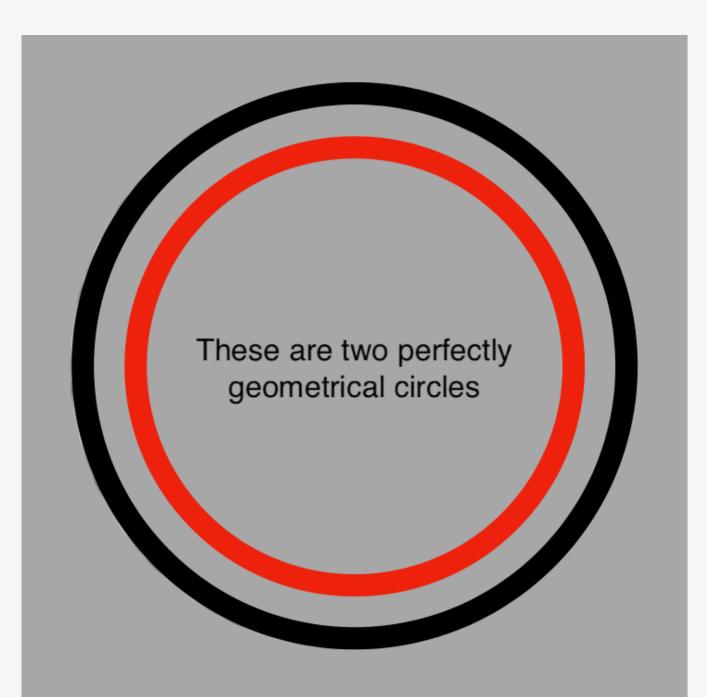
Hermann Grid Effect

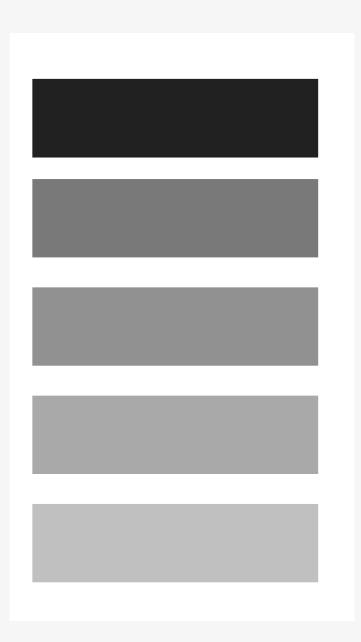


Fraser Columns



Fraser Diamonds

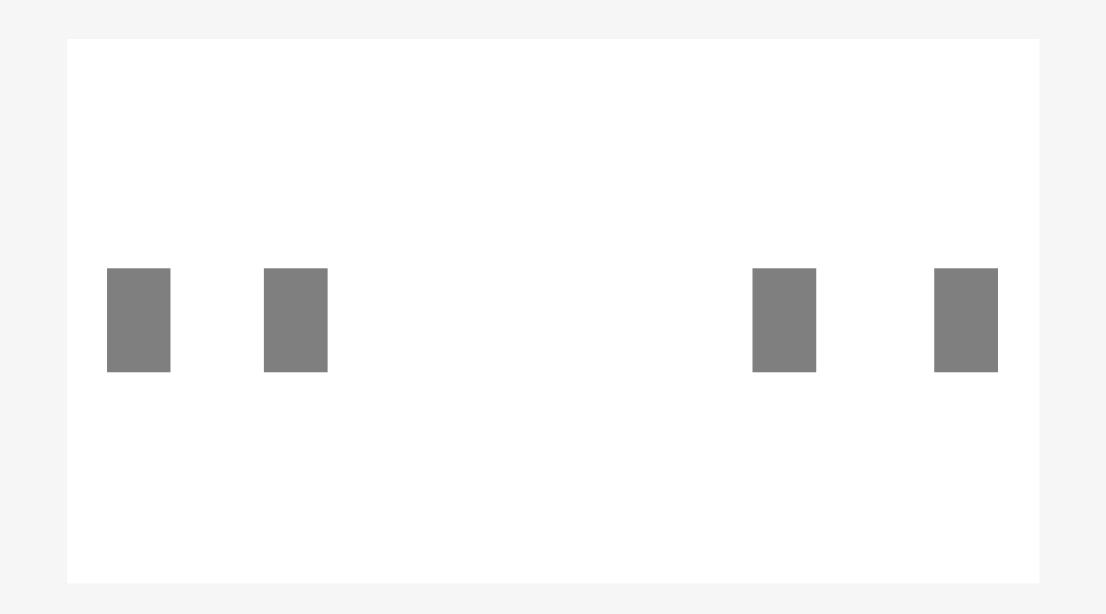


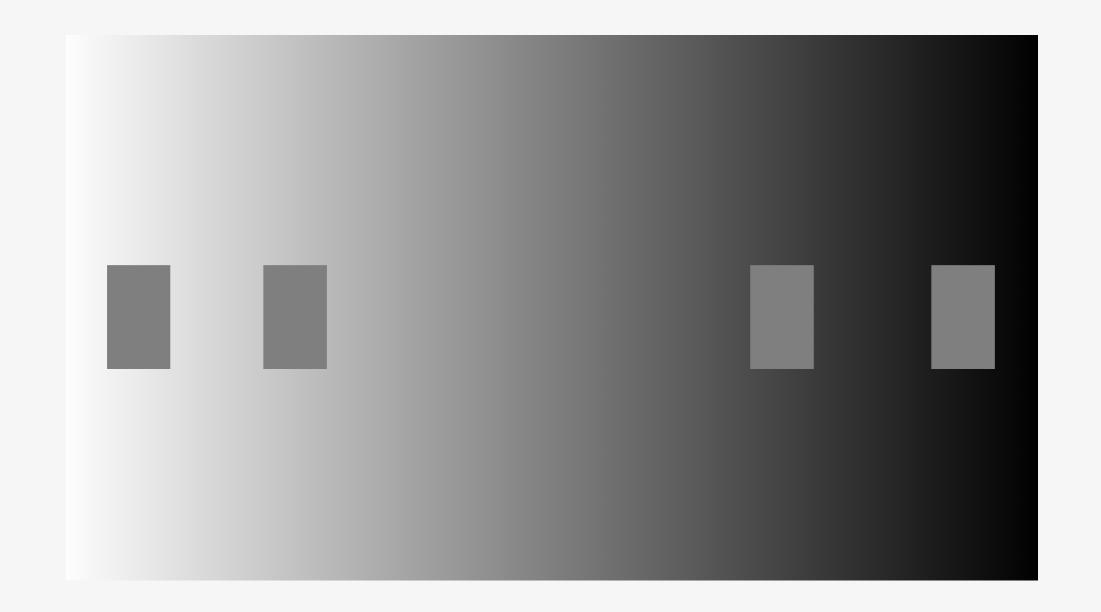


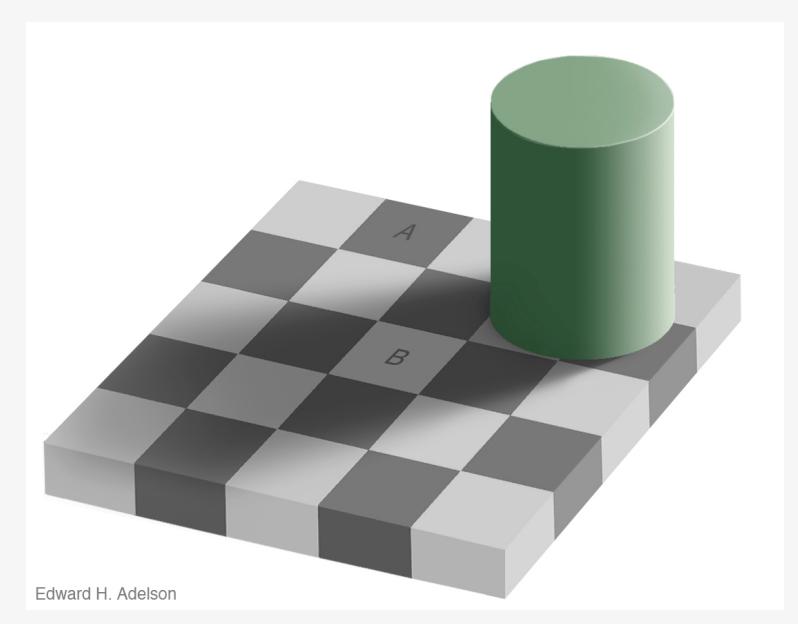
Mach Bands



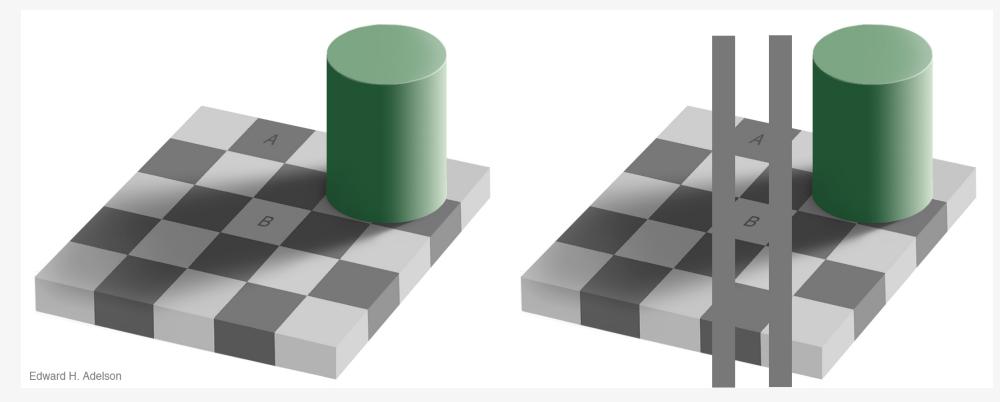
Mach Bands



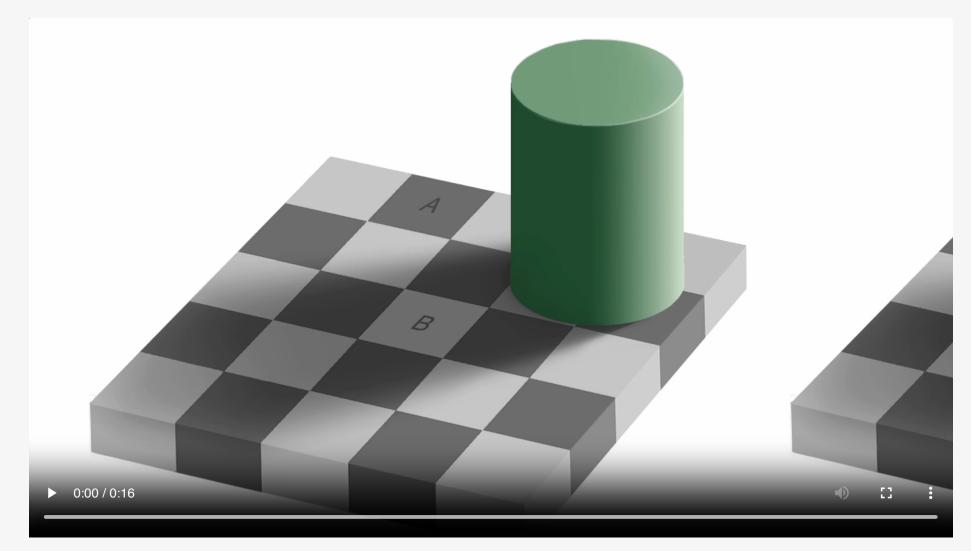




Edward Adelson

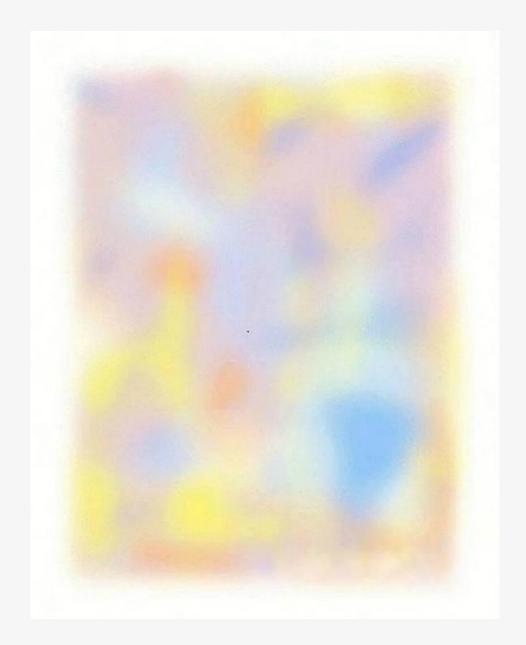


Edward Adelson

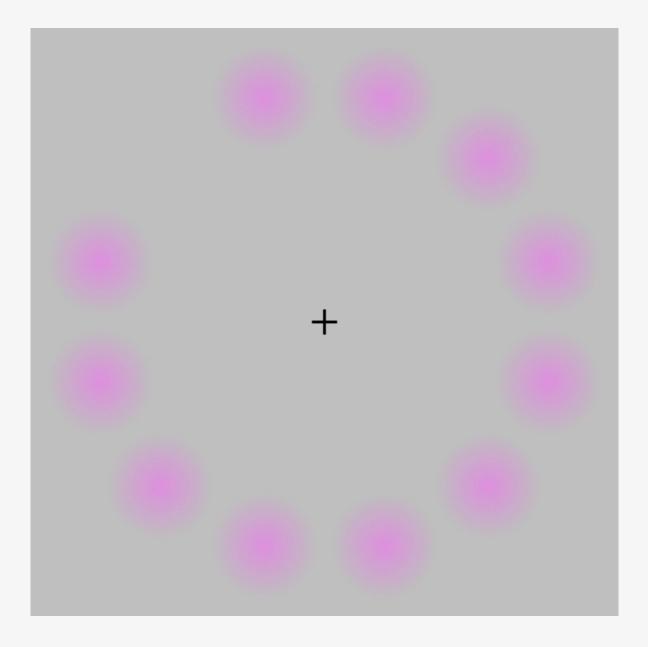


Edward Adelson

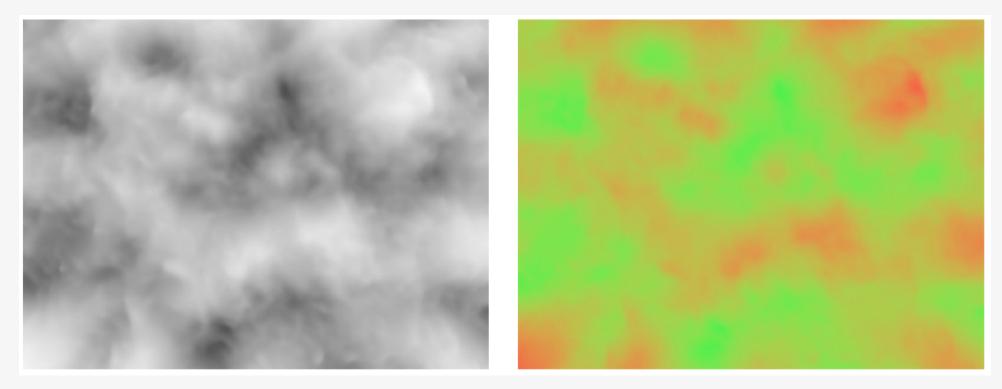
Luminance and Color



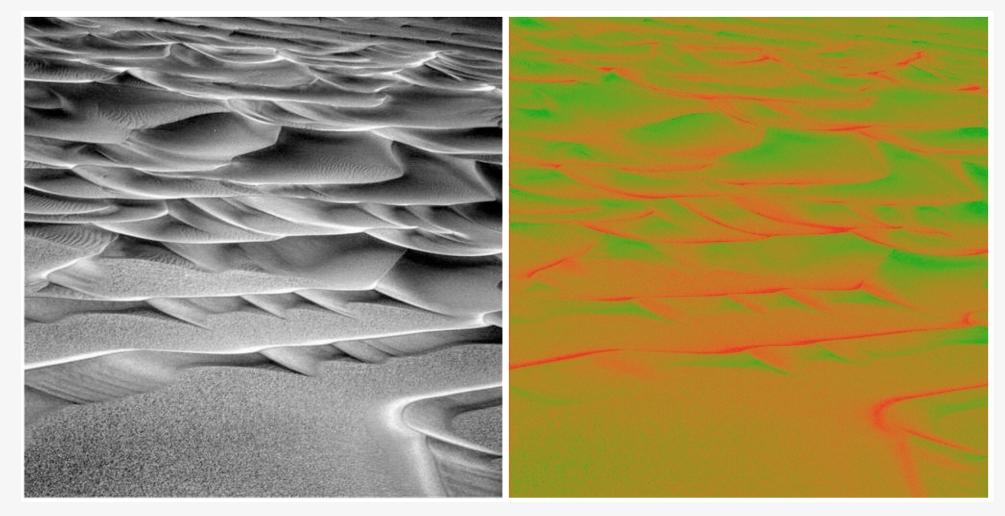
Troxler effect



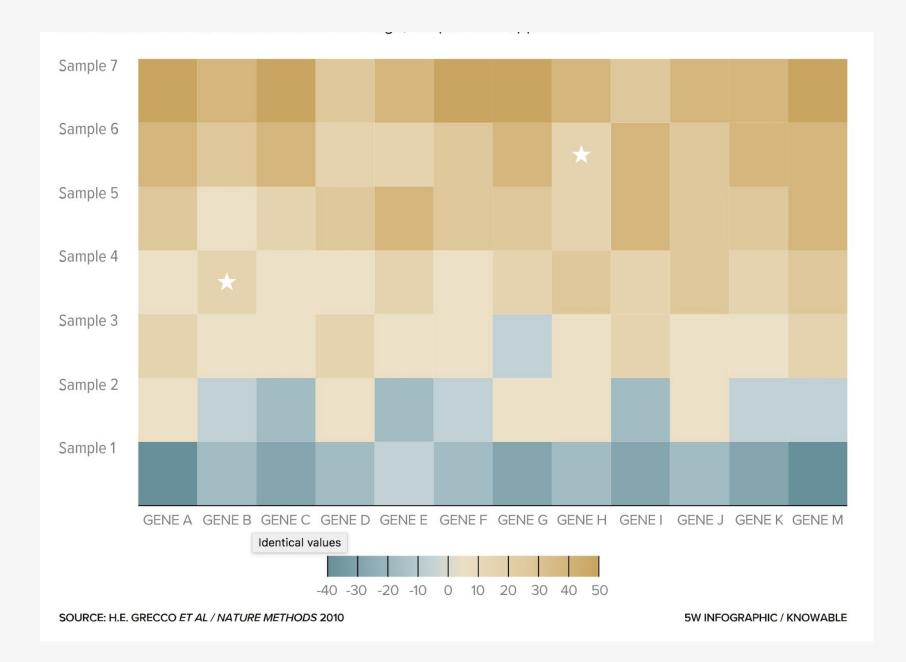
Lilac Chaser

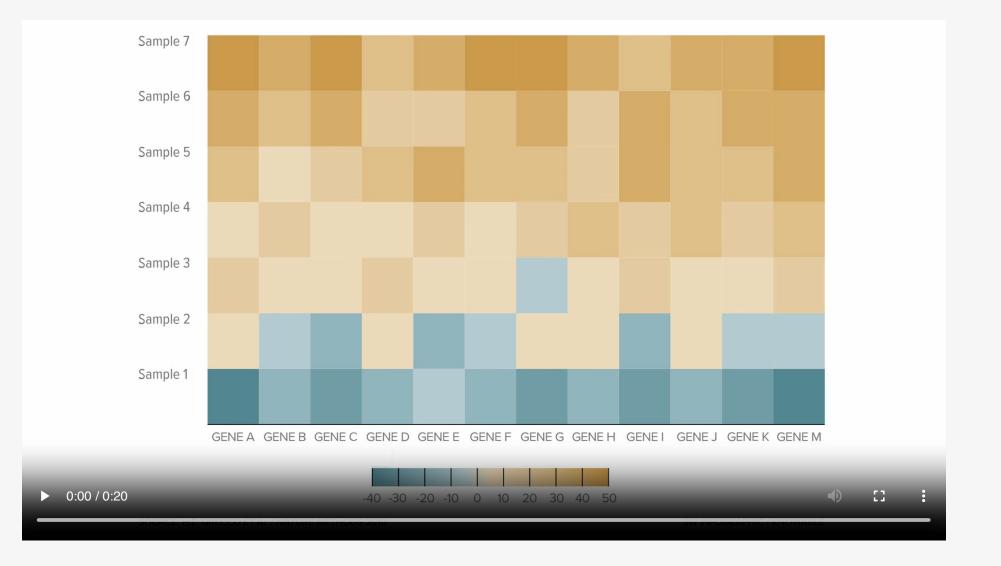


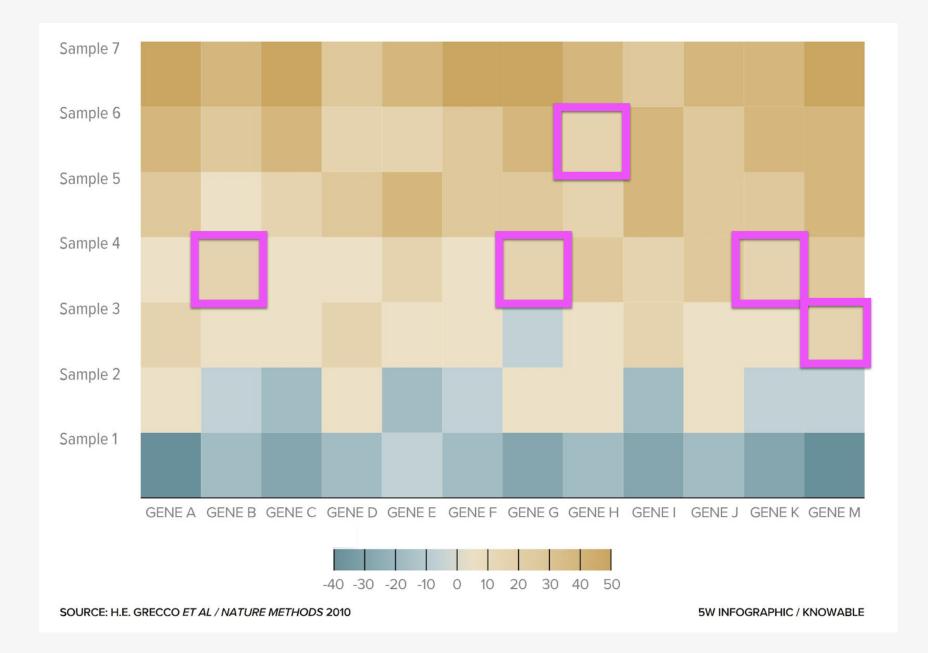
Colin Ware



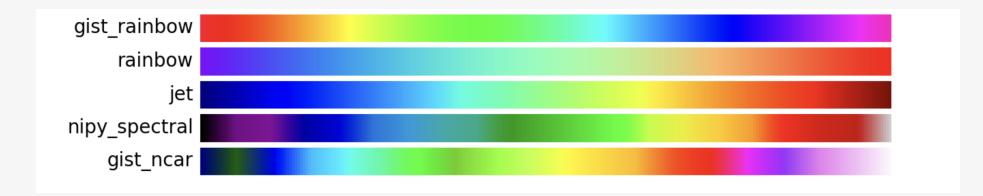
Colin Ware

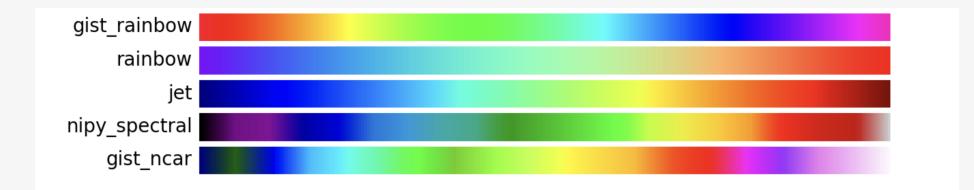




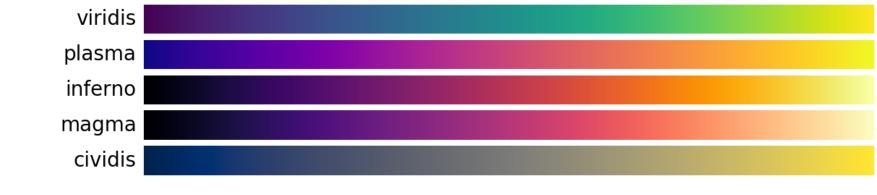


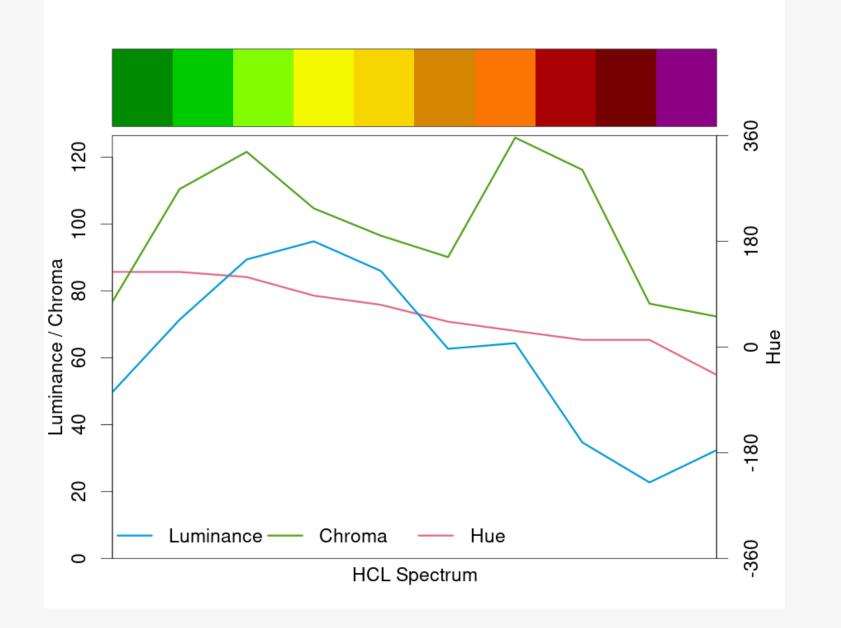


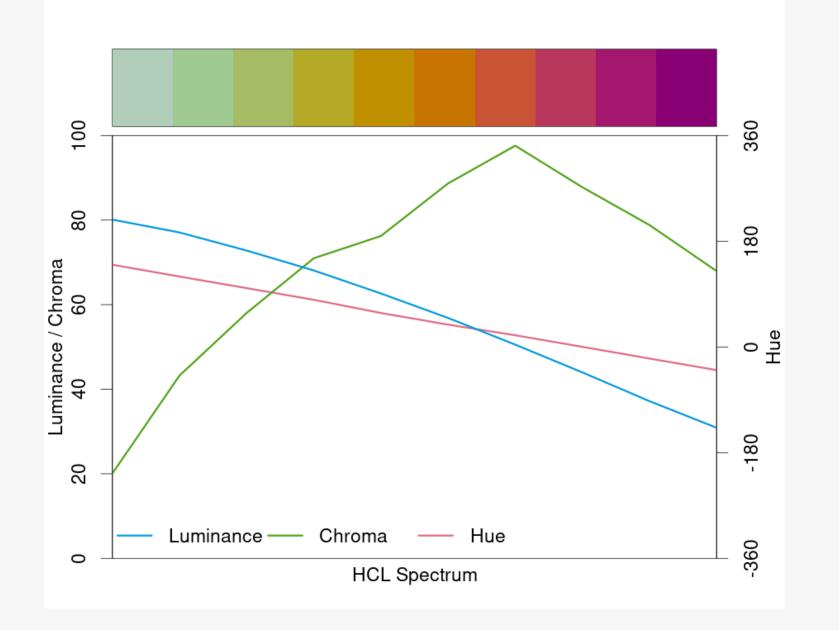


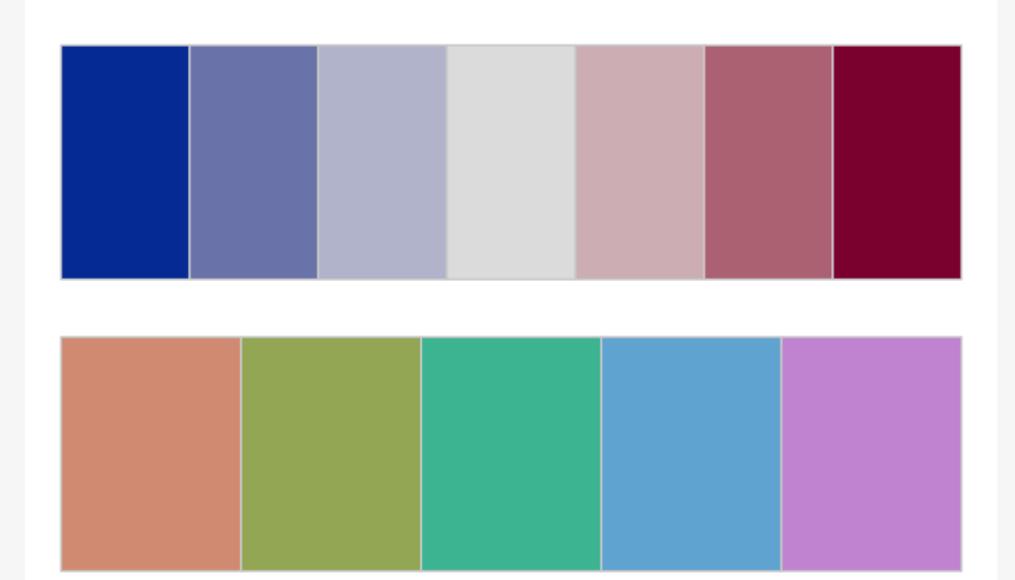


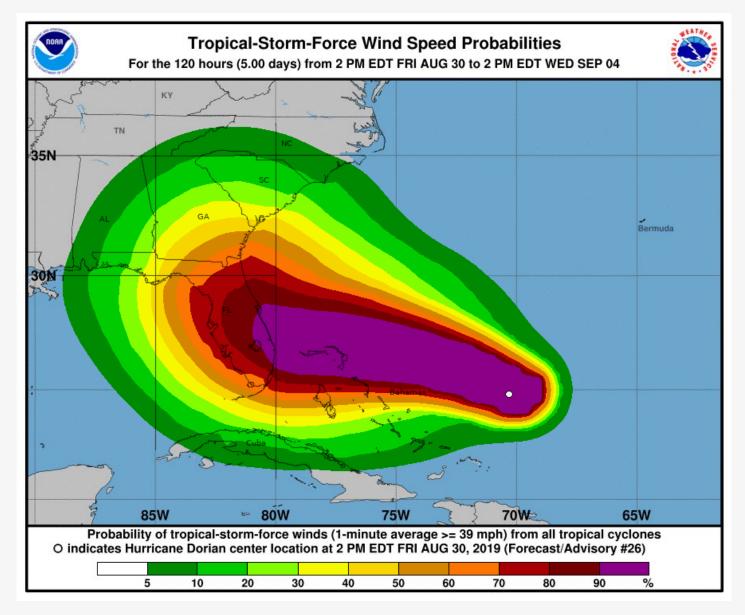




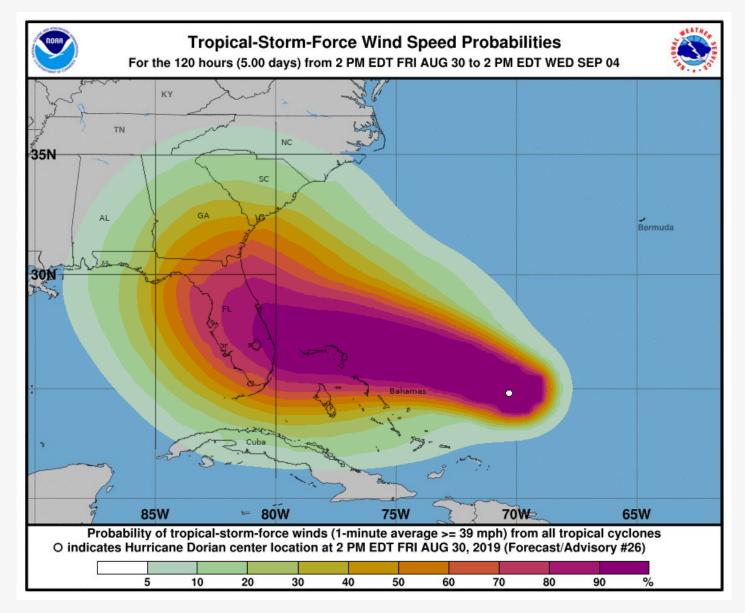




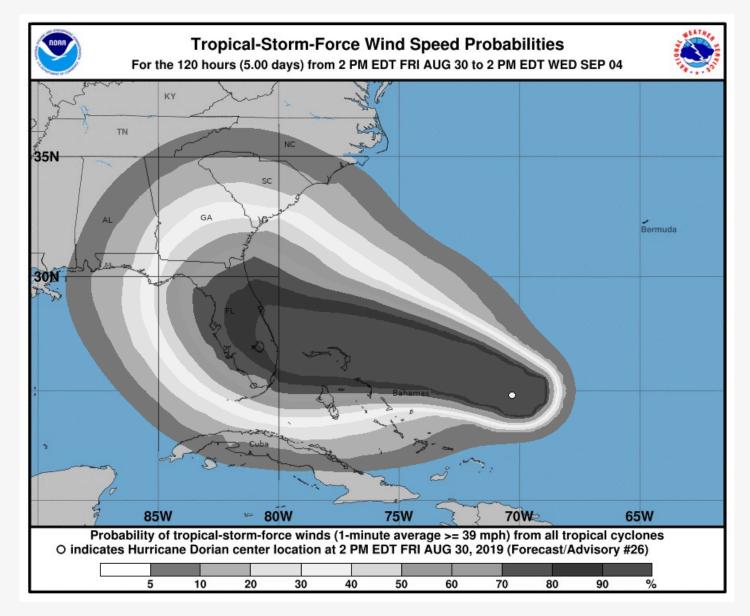




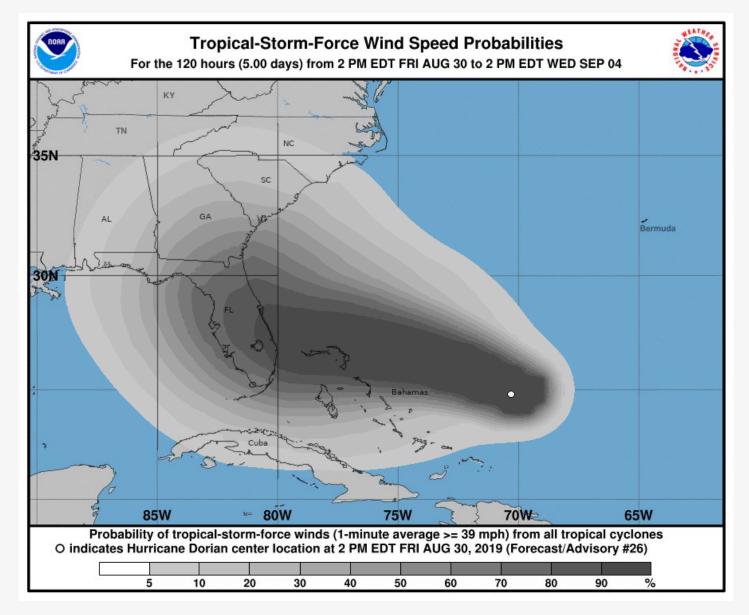
National Weather Service



Achim Zeileis



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