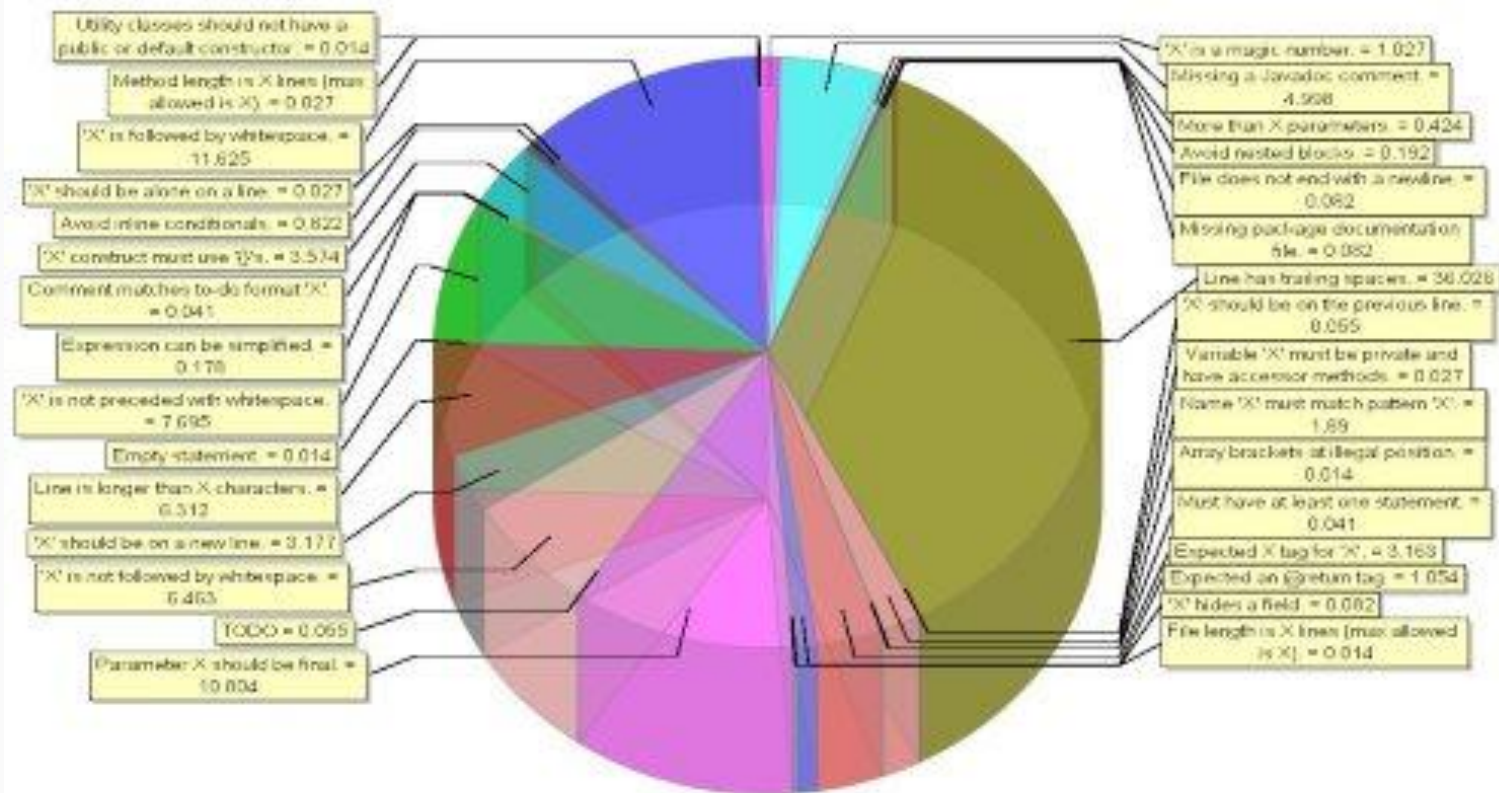


Data Visualization

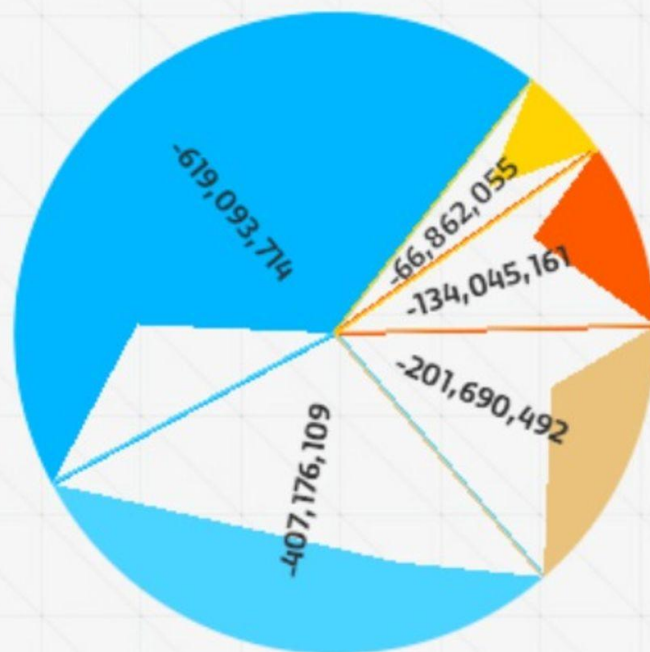


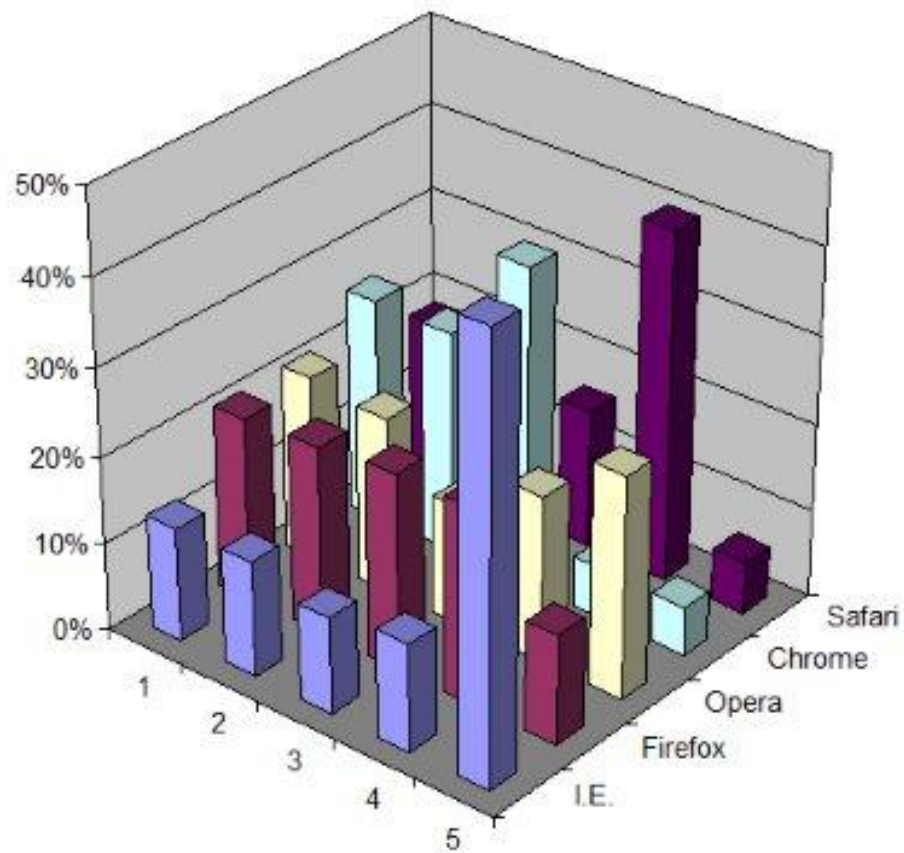


Hospitalizations

GP visits

- year 1
- year 2
- year 3
- year 4
- year 5



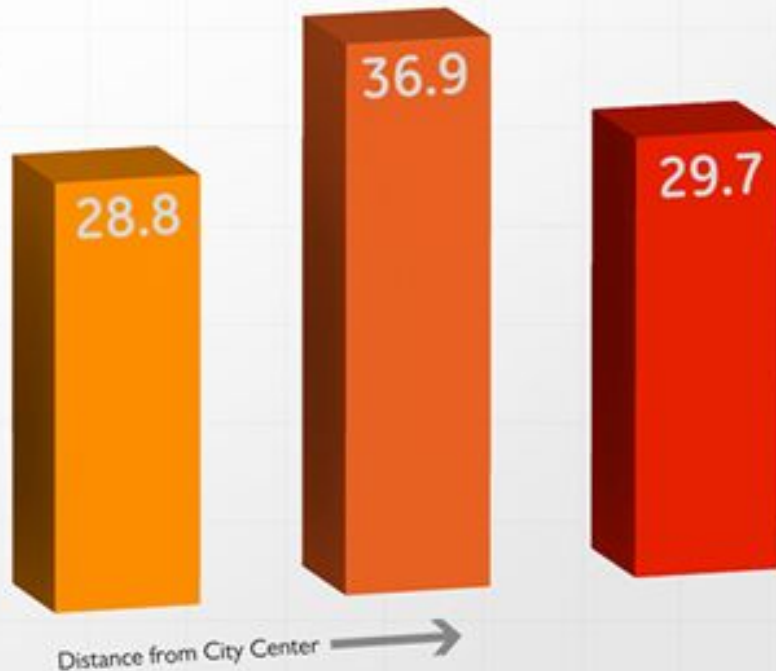


How We Drive: an average day



Proximity to a City Center Impacts How We Drive

On Average, the average miles driven by the typical U.S. driver increases the further away from a city center they live.



AMERICANS WHO HAVE TRIED MARIJUANA

CBS NEWS POLL

51%
TODAY

43%
LAST YEAR

34%
1997



Source: MOE +/- 4%

HIGH SUPPORT FOR LEGALIZING MARIJUANA
MORE THAN HALF OF AMERICANS SAY THEY'VE TRIED POT



LIVE

CBSN

Phew.

Check these out instead:

<https://www.reddit.com/r/dataisbeautiful/top/?t=all>

<https://informationisbeautiful.net/>

<https://pudding.cool/>

Visualization Types

Let's look at some examples:

- <https://datavizproject.com/>
- <https://python-graph-gallery.com/>
- <https://seaborn.pydata.org/examples/index.html>

10 Questions to Ask Yourself

1. Does it tell a story?
2. Is it easy to understand?
3. Is it tailored to my target audience?
4. Does it answer specific questions?
5. Is it user-friendly?
6. Is it useful?
7. Is it honest?
8. Is it succinct?
9. Does it provide context?
10. Without requiring context?

Further Resources

- Python Matplotlib guide (the theory of matplotlib, with examples):
<https://realpython.com/python-matplotlib-guide/>
- The best Seaborn tutorial, through Pokemon stats:
<https://elitedatascience.com/python-seaborn-tutorial>
- 2010 TED Talk on data visualization from Information is Beautiful:
https://www.ted.com/talks/david_mccandless_the_beauty_of_data_visualization (Don't have 20 minutes? Check out the last 8, on perspective, [here](#))