

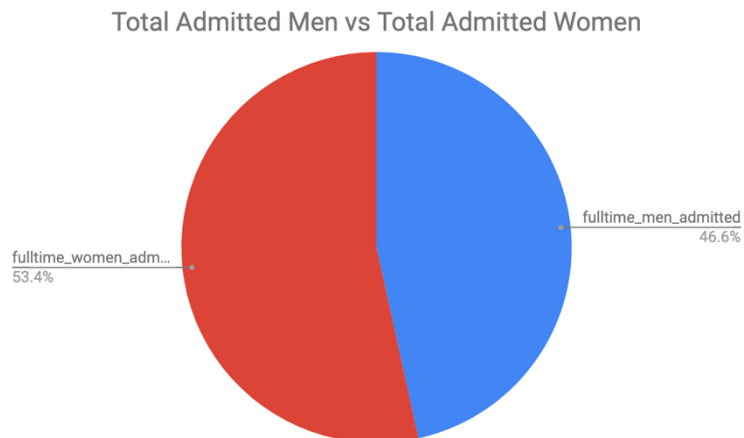
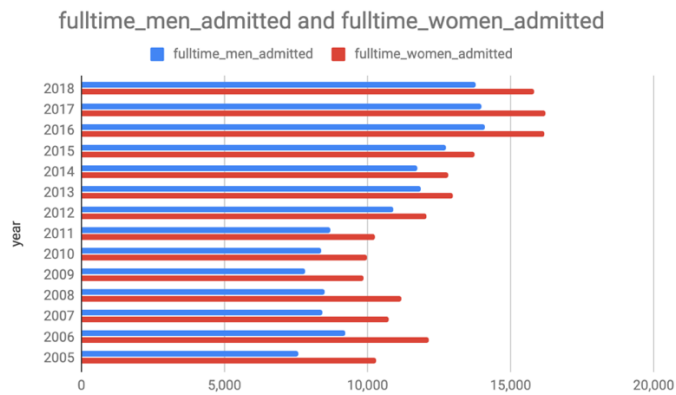
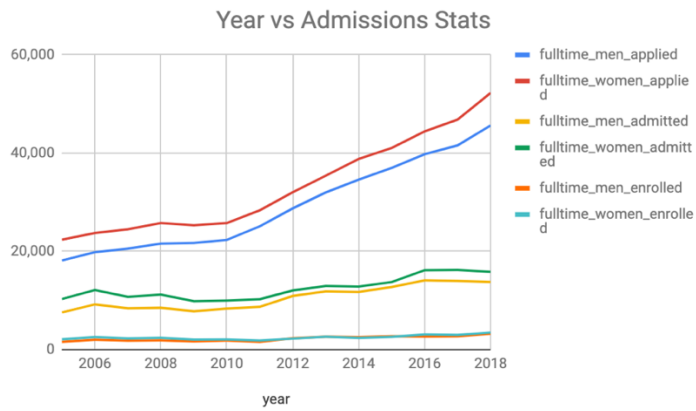
Google G Suite

Pros:

- Easy table creation
- Similar to excel

Cons:

- Hard to customize



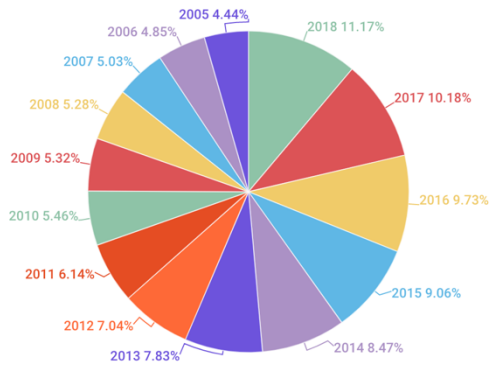
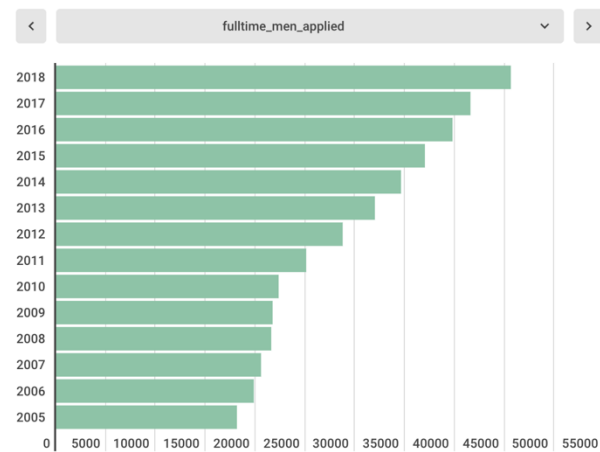
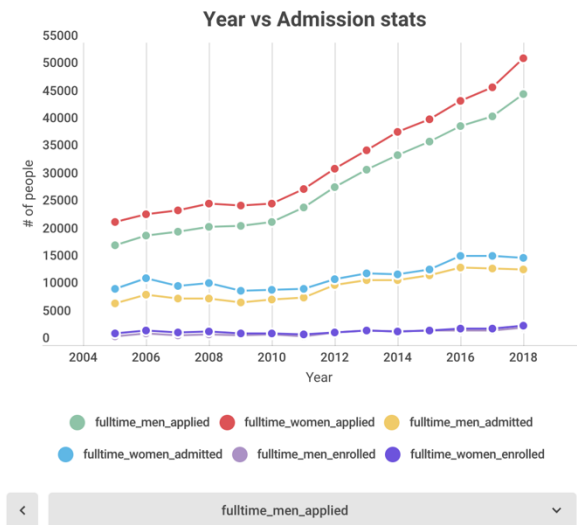
Infogram

Pros:

- Easy to use / intuitive
- Interactive UI built for visualization

Cons:

- Limited customization



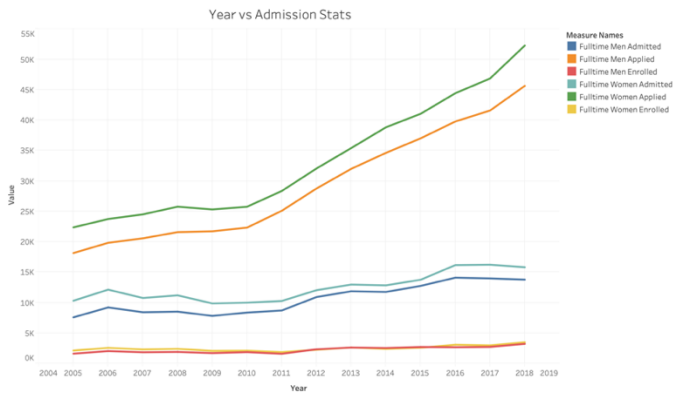
Tableau

Pros:

- Highly customizable
- Great learning community
- Complete toolkit built out and ready to use

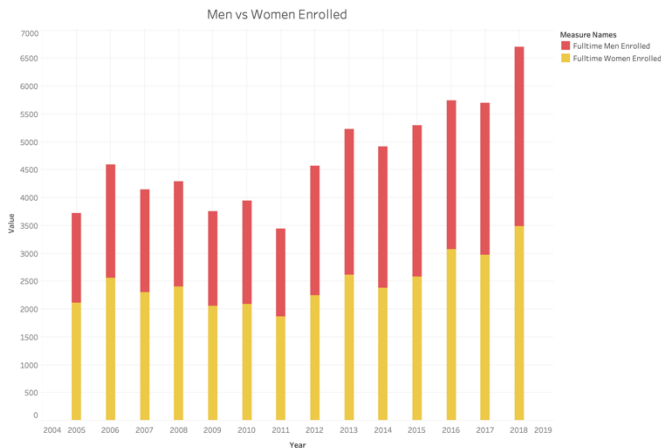
Cons:

- Complicated ways to do things

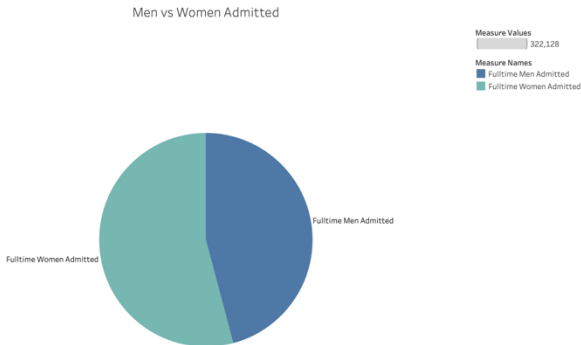


The trends of Fulltime Men Admitted, Fulltime Men Applied, Fulltime Men Enrolled, Fulltime Women Admitted, Fulltime Women Applied and Fulltime Women Enrolled for Year. Color shows details about Fulltime Men Admitted, Fulltime Men Applied, Fulltime Men Enrolled, Fulltime Women Admitted, Fulltime Women Applied and Fulltime Women Enrolled. Details are shown for Fulltime Men Admitted, Fulltime Men Applied, Fulltime Men Enrolled, Fulltime Women Admitted, Fulltime Women Applied and Fulltime Women Enrolled.

●



The plots of Fulltime Men Enrolled and Fulltime Women Enrolled for Year. Color shows details about Fulltime Men Enrolled and Fulltime Women Enrolled. Details are shown for Fulltime Men Enrolled and Fulltime Women Enrolled.



Fulltime Men Admitted and Fulltime Women Admitted. Color shows details about Fulltime Men Admitted and Fulltime Women Admitted. Size shows Fulltime Men Admitted and Fulltime Women Admitted. The marks are labeled by Fulltime Men Admitted and Fulltime Women Admitted.

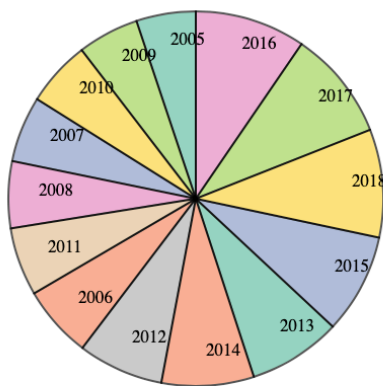
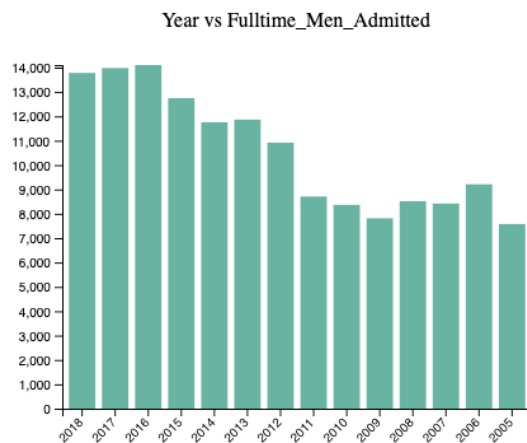
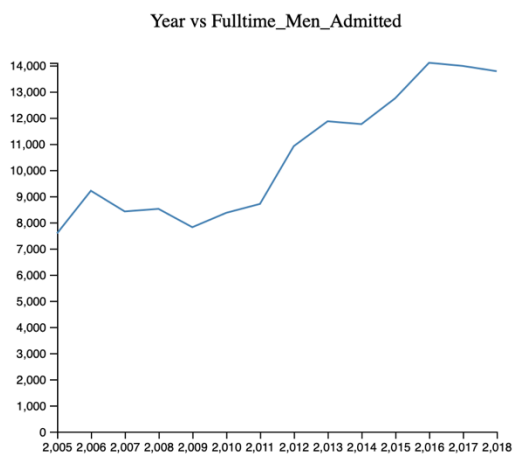
D3

Pros:

- Highly customizable
- Is able to create complex and interactive charts

Cons:

- High learning curve
- Need to know coding and JavaScript
- Syntax is a pain if you are not familiar with JavaScript
- Documentation is all over the place
- Each version released has a different syntax



Year vs Fulltime Men Admitted

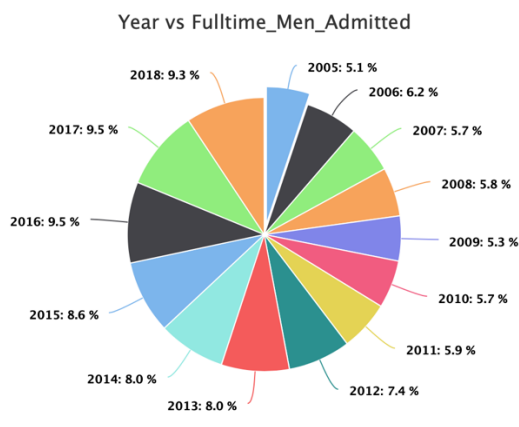
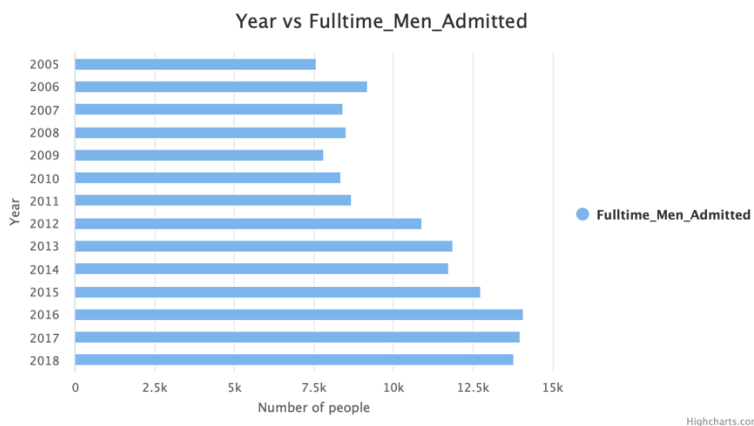
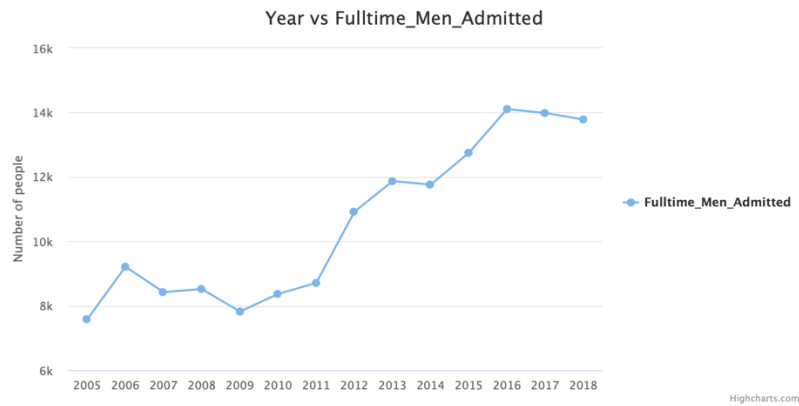
Highcharts

Pros:

- Highly customizable, like d3
- Better documentation than d3
- Has a Highcharts Cloud to help edit online with simpler tools

Cons:

- Has a learning curve
- Needs to have familiarity with coding for max capability



In-Depth Comparison:

Google Sheets was the easiest to use as it is one of the most common spreadsheet applications out on the market. A lot of data entry would use either Excel or Google Sheets, therefore is it more familiar.

Infogram is a more specific tool for charting. It is also easy to use and intuitive.

The above two tools were more easy to use but both has limitations the extent of customizability.

Tableau is one of the best tools in this assignment. It is easier to use and learn for the first time, and it has the capability to do more customized charts.

D3 was relatively a pain. It had a huge learning curve. It has terrible documentation, examples, and tutorials. In addition, each version of d3 had a slightly different syntax, which made trying to learn d3 that much more harder.

Highcharts, compared to d3, was easier to use. It had a more clean documentation and plenty of examples. While both d3 and Highcharts used JavaScript and HTML, Highcharts was easier to implement.

Working GitHub directory:

https://github.com/jeffliao8888/dsc106_hw/tree/master/hw1