

DATA VISUALIZATION HACKATHON CHEAT SHEET

ANALYTICS APPLICATIONS



Award-winning software for data visualization and business intelligence dashboards. **As a student, you're eligible for a free year of Tableau Desktop.** Fill out your information here to receive a product key: <http://www.tableau.com/academic/students>



A simple tool for building charts and graphs online. Sign up for a free account at <https://plot.ly/> to access more features and integrations.

PROGRAMMING LANGUAGES



Python is a general-purpose language suitable for a range of data analysis tasks, with well-supported libraries. **matplotlib** is the most common library for data visualization.



R is a programming language built for statistical analysis. It has a large set of libraries and active developer community. The built-in graphics library is powerful, but many prefer the **ggplot** package.

JAVASCRIPT LIBRARIES



d3.js is a very powerful and flexible Javascript library for building interactive charts, graphs, and animations for websites. It has a steep learning curve, but it is very popular at the professional level.



HIGHCHARTS

Highcharts is a simple yet capable Javascript library for building a variety of basic charts and graphs.

AND DON'T FORGET ...



Excel

Excel can be sufficient for basic data analysis and graphing, and it tends to be software that almost everyone is familiar with.

