Sabrina Alves
Diana Andrade
Nicklaus Austin
Cody Gunter

United States College Dashboard

Dataset:

"Where it pays to attend college" By the Wall Street Journal, Kaggle
IPEDS (Integrated Postsecondary Education Data System) 2020 "Institutional Characteristics"

Guiding Research Questions:

- What majors have the greatest starting salaries? The greatest salaries over time?
- What regions receive the greatest average salaries? Mid career salaries?
  - What colleges are available in these regions?
- What colleges are available at various locales?
- What colleges offer medical degrees?
- What colleges are available with certain student populations?

Color Theme:

Color	Hex	RGB
	#0c6509	(12,101,9)
	#7e5b06	(126,91,6)
	#740404	(116,4,4)
	#02285c	(2,40,92)

| | #6f6161 | (111,97,97) |

The following page also has colors associated with education: [Education Colors](#)

Dashboard wireframe:

We plan on creating several dashboards for the users to explore our list of colleges for different topics: salary by region, salary by college type, and colleges by feature and region. The Wall Street Journal provides data on salary outcomes for 5 different college types as well as for different regions of the country. Coupled with information from IPEDs, we can provide a broad exploration of colleges in the US to get the college search process started.

The following list are ideas for pages and exploratory charts:
- Map of US colleges (leaflet)
  - filterable by: region, on campus hospital, local (rural, suburban, or urban?), degree types granted, and student population
  - Views (mapbox): light, dark, and satellite
- Salaries by Degree
  - Filter: Degree
    - Scatter plot of salaries over time
- Salaries by College Type
  - Scatter plot of salaries and college type
  - Filter: College Type
    - Histograms for mid career salary
    - Map of Colleges in this category with salary data

- Salaries by Region
  - Scatter plot of salaries and college type
  - Filter: Region
    - Histograms for mid career salary
    - Map of Colleges in this category with salary data

Inspiration:

Our inspiration was to build an exploratory dashboard for high schoolers in our families. There are a number of dashboards to explore colleges, but it can be difficult to find one with broad overviews of the colleges available in the US that are not ad-driven.

Colors:

Our inspiration for colors are classic university colors: navy, burgundy, and emerald greens. These colors have the highest association with academia.

Other vizzes on same or similar topic:

[Unemployment and Earnings by College Major](), Naveen Goge, Tableau Public
[The worth of a college major](), Pranshuk Kathed, Tableau Public
[The Complete Directory: U.S. Colleges & Universities | VOTD](), Olushola Olojo, Tableau Public
[College Return on Investment](), Dallin Crump

Project Responsibilities:

Nicklaus:
Data Visualization
Website building.

Sabrina:
Repository Management
Leaflet Map that responds to filters
Data Tables

Cody:
Working on cleaning and merging the data into one coherent DataTable to use to then build our maps and visualizations on. From there, then creating the visuals that can respond to changes in filters.

Diana:
Visualization