

Project #1 Proposal

Project Title

Bureau Labor Statistics data studying the role of labor statistics

Team Members

- Adrienne Miller
- Julia Sebring
- Dorna Shakoory
- Gideon Victor

Project Description/Outline

Our group will explore whether there may be a relationship between the income level and the trending job industries within the United States. We will determine the existence of a correlation by grouping our data by state, studying popular jobs and their income level for the last three years. Essentially our questions revolve around the individuals' reasoning for pursuing a trending job and if an increase in income level plays a part.

Research Questions

- Does an increase in jobs in a trending industry have a corresponding increase in income?
- What are the trending industries in the U.S? What are their income levels?
- Since Data Analytics is a fast-growing industry, how does its growth compare from 2016 to 2018?

Datasets to be used

Bureau Labor Statistics data for 2016 Rough Breakdown of Tasks

Bureau Labor Statistics data for 2017 Rough Breakdown of Tasks

Bureau Labor Statistics data for 2018 Rough Breakdown of Tasks

<https://trello.com/invite/b/NexxOwau/e232b93941d9954a9405f268b0848695/uciproject1>

Tasks	Assigned Team members	Task Status	Deadline
Project Idea	Team	Done	9/28/2019
Data Exploration	Team	Done	9/28/2019
Research of Data sets	Team	Done	9/28/2019
Submit project proposal for approval	Team	In Progress	10/1/2019
Using pandas to clean data set	Dorna	In Progress	10/1/2019
Create jupyter notebook describing the data exploration and cleanup process	Julia & Adrienne	Not Started	10/5/2019
Create jupyter notebook illustrating the final data analysis	Julia & Gideon	Not Started	10/5/2019
Use matplotlib to create a total of 6 -8 visualizaations of your data	Dorna & Adrienne	Not Started	10/8/2019
Save the images as PNG and share with class and instructions during presentation	Dorna & Adrienne	Not Started	10/8/2019
Create a write up summarizing your major findings	Adrienne & Gideon	Not Started	10/10/2019
Preparing the presentation	Dorna & Julia	Not Started	10/10/2019