**Project Title**

1. Education Level vs Salary

**Team**

1. TAKTical Data Consulting

**Team Members**

1. Kenneth Gonzalez
2. Abdul Hashim
3. Tyler Sotomayor
4. Tobi Andrade

**Project Description/Outline**

We will be analyzing degree types is worth the pay. We will be comparing different degree fields and whether if receiving a bachelors, masters, or doctorates in that specific field is worth it by comparing income and debt collected over a five-year range.

**Research Question to Answer**

Does receiving a higher degree in different fields result in a higher return on investment.

**What questions are we asking?**

*A historical look*

* How has post-secondary education changed in America over the last 50 years. What are the most popular degrees?
* How has the labor market in America changed in the last 50 years. What are the most popular jobs / occupations?
* How has average income changed over the last 50 years? (Adjust for inflation)How has the cost of college changed over the last 50 years? (Adjust for inflation)
* What is the employment rate over the last 50 years?

*A contemporary look*

* What are the most popular degrees by State?
* What are the most popular jobs / industries by State?
* Student-debt in America: which States have the most student-debt?
* Which degrees have the least student debt?
* Where are the most advanced-degrees located in the country?
* Which states / cities have the most advanced degrees?
* What is the employment rate by State?
* Gender cohort analysis

**What kind of data do we want?**

1. Popularity of college degrees by state, over the last 50 years.
2. Popularity of jobs by state, over the last 50 years
3. Where are the most advanced degrees

**Data Sets to be Used**

* Federal Reserve Bank (FRED)
* U.S. Census Bureau
* U.S. Department of Education
* Bureau of Labor Statistics
* Current Population Survey
* Current Employment Statistics

**Rough Breakdown of Tasks**

1. Coding
   1. Kenneth, Tobi, Abdul
2. Finding Data
   1. Tobi, Abdul, Tyler, Kenneth
3. Data Analyzation
   1. Tobi, Tyler, Abdul, Kenneth
4. Powerpoint Presentation
   1. Tyler

**Articles**

“The Economic Guide to Picking a College Major”

https://fivethirtyeight.com/features/the-economic-guide-to-picking-a-college-major/

https://github.com/fivethirtyeight/data/tree/master/college-majors

“Are the Job Prospects of Recent College Graduates Improving?”

https://libertystreeteconomics.newyorkfed.org/2014/09/are-the-job-prospects-of-recent-college-graduates-improving.html#.VA76L\_ldU1I

“Are Recent College Graduates Finding Good Jobs?

https://www.newyorkfed.org/medialibrary/media/research/current\_issues/ci20-1.pdf

“Putting Your Major to Work: Career Paths After College”

http://www.hamiltonproject.org/papers/putting\_your\_major\_to\_work\_career\_paths\_after\_college

http://www.hamiltonproject.org/assets/files/career\_paths\_after\_college.pdf

“Women’s Student Debt Crisis in the United States”

https://www.aauw.org/research/deeper-in-debt/

“Mapping the Growing Gap Between Job Seekers and Employers”

https://www.citylab.com/equity/2019/02/best-cities-for-jobs-commuting-time-cost-of-living-data-map/583273/

“Salaries by College Major”

https://www.reddit.com/r/dataisbeautiful/comments/8qumfo/salaries\_by\_college\_major\_oc/

https://nces.ed.gov/fastfacts/display.asp?id=37

https://www.insidehighered.com/news/2018/11/27/new-analysis-history-major-data-says-field-new-low-can-it-be-saved

https://www.newyorkfed.org/medialibrary/interactives/householdcredit/data/pdf/HHDC\_2018Q1.pdf

https://studentloanhero.com/featured/millennials-have-better-worse-than-generations-past/

http://www.randalolson.com/2015/08/16/u-s-college-majors-median-yearly-earnings-vs-gender-ratio/?r=1

https://onlinembapage.com/average-tuition-and-educational-attainment-in-the-united-states/

https://api.census.gov/data/2017/acs/acs1/spp/variables.html