**Where’s The Money At?**

Team 8

Team Members

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This project will review the salary trends in Colorado and Texas based on educational degree subject and level. The data set was obtained through the US Census Bureau. The data provides earnings and employment outcomes for college and university graduates by degree level, degree major, and post-secondary institution. These statistics are generated by matching university transcript data with a national database of jobs, using state-of-the-art confidentiality protection mechanisms to protect the underlying data. We wanted to compare the earnings for different subjects varying by educational level. Is it possible to maximize earning potential while considering personal initial educational cost? We are also would like to determine if the educational institution play a role in earning. Lastly how have salary trends per subject changed over time.

Within the State borders of Texas and Colorado, in which subject should you attain a degree to fall within the highest average salary range?

* + How does earnings for different subjects vary by educational level?
    - Maximizing earning potential while considering personal initial educational costs
  + Does your institution of choice play a role in earnings?
    - Choosing a typically lower paid program at a different institution to potentially earn a higher average salary
  + How has salary trends per subject changed over time?
    - Potential contributing factors

The 6 subjects with the highest average salary earning potential for an individual with a Bachelor’s degree are:

* + Texas: Petroleum Engineering, Business, Finance, Allied Health Professionals, Chemical Engineering and Electrical Engineering.
  + Colorado: Petroleum Engineering, Computer Science, Economics, Electrical Engineering, Chemical Engineering and Mathematics.
  + Key points:
    - Across both states, Petroleum Engineering had the highest earning potential. Electrical Engineering and Chemical Engineering are the only other two fields that are in the top 6 in both markets.

The 6 subjects with the highest average salary earning potential for an individual with a Master’s degree are:

* + Texas: Business Management, Information Sciences, Engineering, Health Professions, Interdisciplinary Studies and Mathematics.
  + Colorado: Health Professions, Physical Sciences, Social Sciences, Engineering, Information Sciences and Business Management.
  + Key points:
    - Across both states, Business Management is the only masters degree to be in the top 6 earning potential category.

The 6 subjects with the highest average salary earning potential for an individual with a Doctoral degree are:

* + Texas: Medicine, Dentistry, Law, Pharmaceutical, Therapeutic Professions and Communications.
  + Colorado: Medicine, Dentistry, Pharmaceutical, Education Administration, Law and Registered Nursing.
  + Key points:
    - Across both states, Medicine, Dentistry, Law and Pharmaceutical are within the top 6 earning potential salary range.

Reviewing the average earnings for all subjects, the following institutions are within the top 6 salary earnings potential range:

* + Bachelors: Colorado School of Mines, University of Texas HSC, University of Texas MB, University of Texas Health Centre SA, University of Texas Southwestern and University of Texas Anderson Centre.
  + Masters: Colorado School of Mines, University of Texas MB, University of Texas HSC, University of Texas Health Centre SA, University of Texas Southwestern and University of Colorado Colorado Springs.
  + Doctoral: Colorado School of Mines, University of Texas HSC San Antonio, University of Texas HSC, University of Pan American, University of Colorado Denver and University of Texas at Arlington.