Analysis of Graduate Earning Potential Based on Degree Type

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Working in Collaboration with Midwestern Recruitment.

Sara: We are conducting analysis for Midwestern Recruitment who specialise in placing graduates from the University of Wisconsin into full time jobs.

Midwestern Recruitment

- We are a recruitment agency based in the midwest of the USA.
- We are working with University of Wisconsin graduates.
- Objective: what constitutes a graduate who earns a high starting salary.

Sara: We would like to know what constitutes a graduate with a high initial earning potential so we can being to profile students and develop initiatives to work with those who have the attributes of high earning successful members of their professional industry.

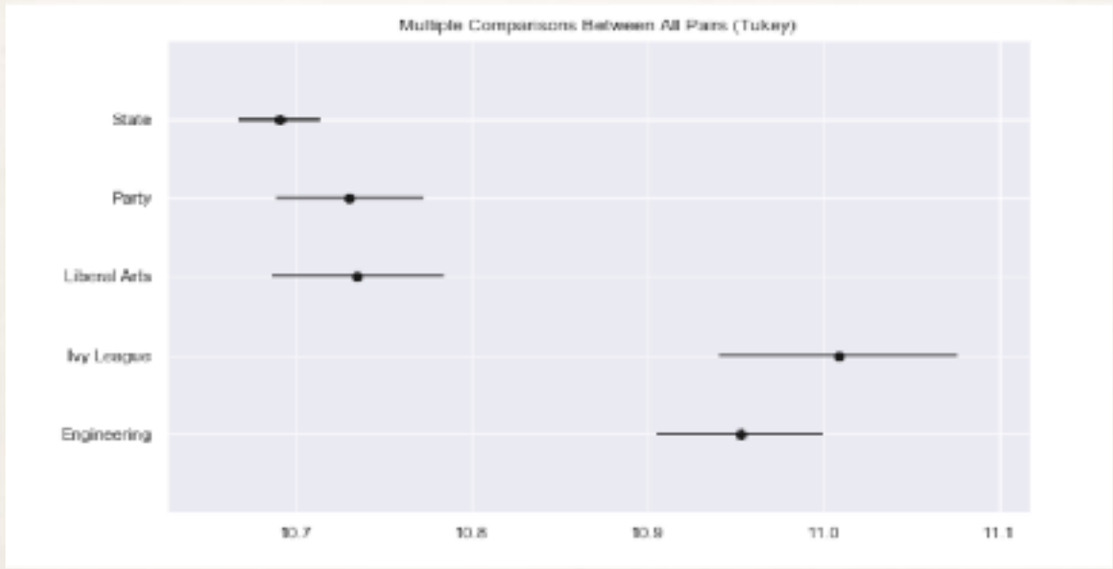
Impact of Institution on Earning Potential

- There is a statistically significant difference among starting salaries based on the university ranking.
- University of Wisconsin is considered a 'State' institution.

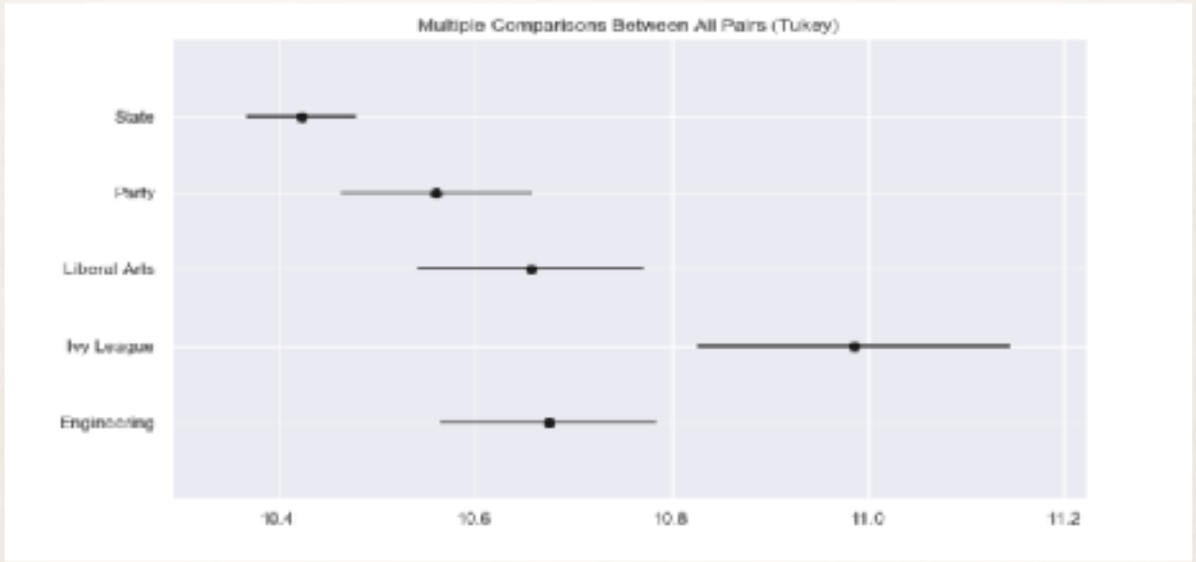
Stuti: Firstly, we wanted to know if there are any limitations imposed on the graduates of university of Wisconsin since it is considered a state institution. Our null hypothesis was that College Type does not affect your start salary and salary increase in mid career.

I performed a Tukey HSD Posthoc comparison of Data sets and found that we have enough evidence to reject null hypothesis and statistically significant difference was found among starting salaries based on different colleges.

Comparison of Starting Median Salary



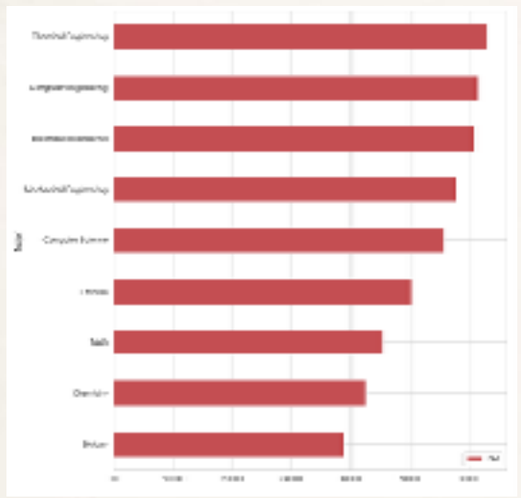
Comparison of Salary Increase Potential (mid-career)

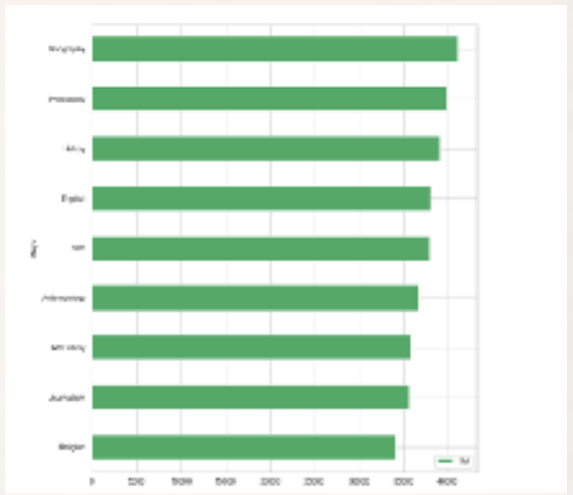


Impact of Degree Type on Earning Potential

- There is a nationwide earning difference between STEM degree graduates and Humanities degree graduates.
- On average, STEM graduates earn $63,000 whereas Humanities graduates earn $50,000.

Sara: From stutis findings, we know that we need to search for graduates that hold intrinsically valuable degrees, minimising the negative impact that state schools have on salary potential. We analysed the difference between median starting salaries of graduates who earned STEM degrees compared to those who have Humanities degrees. On average STEM graduates earn 13,000 USD more than Humanities graduates. This is an encouraging finding and allows us to further narrow down the parameters in searching for the ideal graduate.





Are STEM Students Achieving Higher Grades?

- We compared the A grades achieved by students of the University of Wisconsin, Madison.
- We found that STEM students achieve more A grades than Humanities students by 32% to 30%.

Joe: We wanted to identify what makes STEM graduates more valuable employees as it is not explicit that the STEM grads go into STEM fields. Many people transition into other fields once graduating. Are STEM students higher achievers than Humanities graduates?
We analysed the A grades achieved by students of the University of Wisconsin, Madison over 200 subjects. We wanted to see if there was a statistical significance between STEM and Humanities A grades achieved.
We used a t test to identify if there was a statistical significance between the A grades achieved between the two subjects.
This t-test resulted in a pvalue of zero, which provided evidence that theres was a statistical significance between the two subjects.
This tells us that for the average student who wants the best chance of getting an A they should study STEM over Humanities.

Ideal Graduate for our Services

- Due to the limited starting salary potential imposed by state university institution reputation, you have to look for graduates with intrinsically valuable degrees.
- A degree which is considered most valuable today is a STEM degree, where there are high achieving students who earn top grades.

Joe: Since we are constrained by the nationwide ranking of Wisconsin University, we need graduates who have degrees that prove to be very valuable in todays job market. The degrees considered most valuable today are STEM degrees, where there are high achieving students.

Ideal Graduate for our Services

- A STEM graduate will on average earn you a commission of $12,600.

- A humanities graduate will on average earn you a commission of $10,000.

Joe: A stem graduate will earn the agency an average commission of 12,600 USD whereas a humanities graduate will earn an average of 10,000 USD.

Thank You for Your Time.

Thank you for your time, any questions?