



Storytelling Through Data

An Introductory Statistics Project
Illuminating Changing Views in
Pandemic Times

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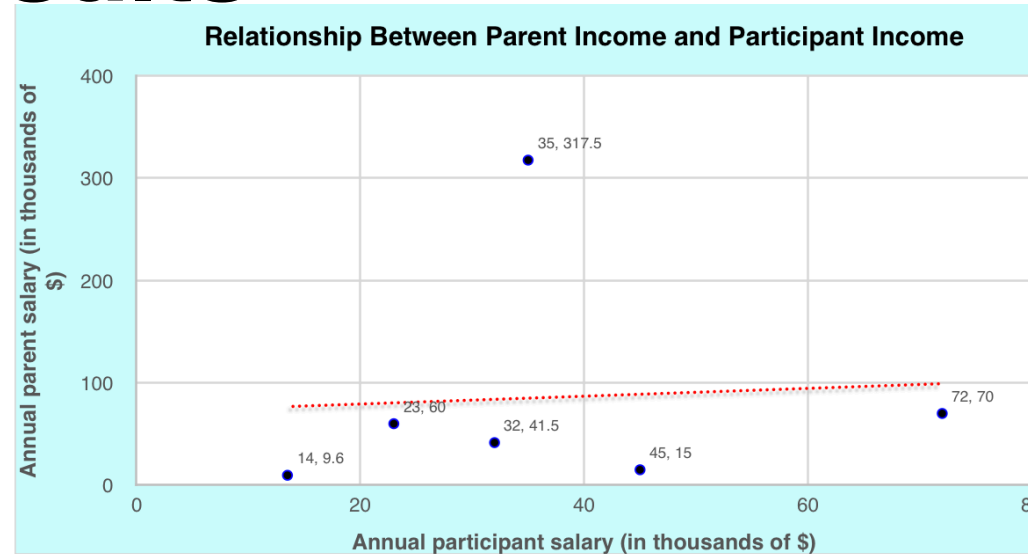
The Project

- + Inspired by Malcolm Gladwell's "Outliers: The Story of Success."
- + What makes high achievers different?
- + We pay too much attention to what successful people are like and not enough on where they are from: culture, family, generation, upbringing.
- + Definitions of success are different and pandemic times have likely changes what it means to be "successful."
- + In this project students explore these ideas and gather data for analysis.

The Project

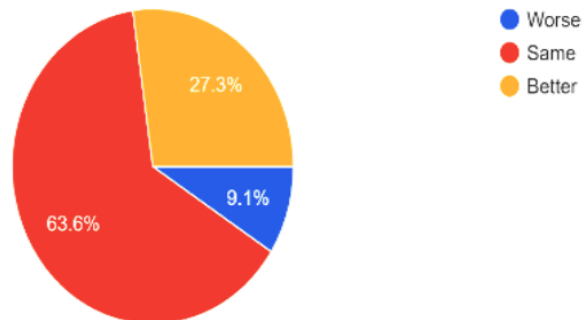
- + **Part I. In-class brainstorming session** – *What is your group's definition of success?*
- + **Part II. At-home group work** – *What are your predictors and markers of success?*
- + **Part III. Project Prospectus Summary** – *What is your hypothesis and your sample?*
- + **Part IV. Data Collection and Analysis Plan** – *Use your toolbox!*
- + **Part V. Individual Report Drafts** – *Get feedback.*
- + **Part VI. Final Presentation and Papers** – *Share back with your peers, give reflections.*

Some results



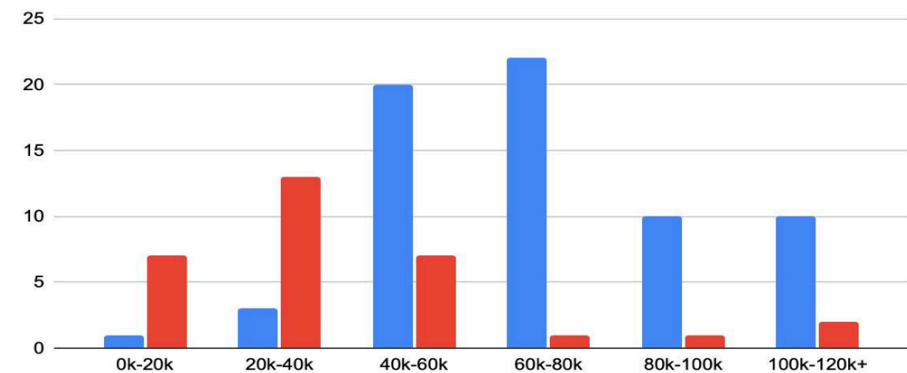
How are your grades when taking classes online compared to classes on campus?

33 responses

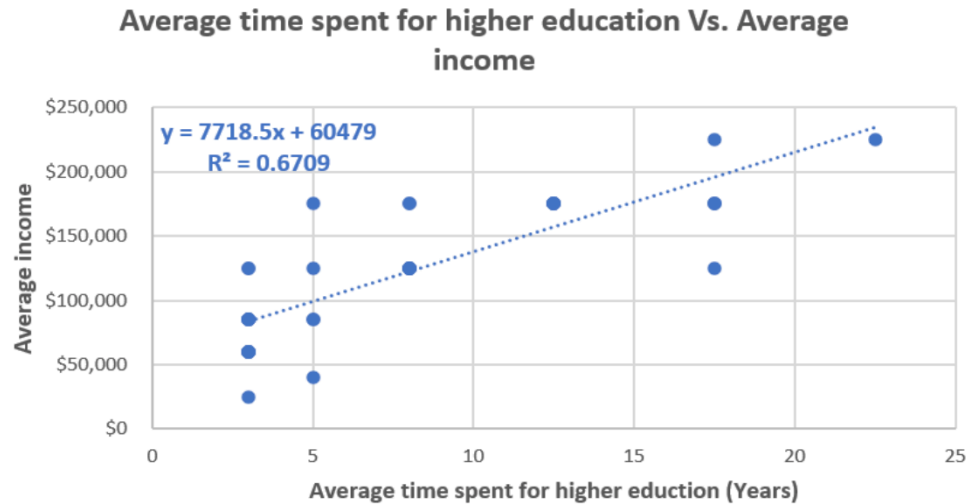


Income

College Graduates High school Graduates

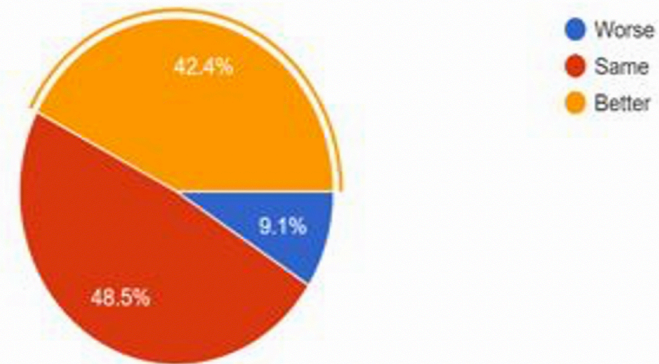


More results



On a scale of 1-3, how is your attendance when taking Online classes rather than classes on campus?

33 responses



From the students...Spring 2020

*"In conclusion although the ages between 17 – 32 of the participants participated more in the survey, the highest salary ranged from \$0- 14,999. This is **shocking to observe** because 68% of the participants are working and have experience."*

*"..I would want to conduct the experiment in a better time, meaning that the current pandemic may have affected the salary of the participants. **People have been out of work due to the quarantine** Furthermore, prospective of people about school may change (an increase or decrease in education)."*

*"If i could change anything in a future study that would be **online education**. People think it might be helping the students. But according to me people are being lazier on online education. The people aren't focusing on classes. Virtual and on-campus classes are really different.."*

*"If we had a chance to do this report again, we would **look at genders** to see if males make more income than females being in the same career field."*

*"Not only is **living a blessing**, but more times than not, you do learn something every day. Not necessarily quantifying time spent in school could equate in success, but maybe **during your path to doing something you wind up doing something else**. I realized that you can go to college for one thing, and work doing something totally different. You live and you grow, so with that it should be something to make note of."*

From the students...Fall 2020

*“Our findings suggest that it seems **college students spent both less time in gaming and productivity** this is perhaps due to the **responsibility of paying for tuition and adulthood** compare to highschoolers as highschool is paid by the government and they are not likely to work.*

*“If one was to consider having a job and getting **minimum wage of \$12** an hour as success, who are we to say they are not successful? If I were to change anything in a future study I would include the gender of the participants.”*

*“So when this topic was brought up in our brainstorming discussion, **it intrigued me** to know whether there was a possibility of earning a life with ease and stable income without a college degree.”*

*“According to the statistical summaries. Some students at City Tech enjoy online learning, but some students don't enjoy online learning. **Meanwhile, 58.8% of students have had a better overall school/life balance because of online learning.**”*

Takeaways

- + Our students are **LISTENING** when we discuss news events, books we are reading, and our own experiences.
- + Creating a safe space to digest and discuss class concepts in the context of the real world promotes deeper engagement and learning.
- + Having a dialog with frequent opportunities for feedback is essential.
- + The stories student share have historical importance! This is a snapshot in time.
- + Students don't forget.....they will be in touch to apprise you of their continued success!

THANK YOU!!!

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