



REFLECTION in STATISTICS

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Why Reflection?

- Embrace the pandemic circumstances
- Deeper connection to course content
- Foster creative thinking and critical thinking
- Assess skills and explore virtues
 - persistence, curiosity, strategizing, thinking for oneself, helping others



Francis Su

What type of students?

- All types
- One-size DOES NOT fit all
- Be creative
- Get to know your students

What did they say?

"I realized that I was using statistics as a tool in my daily life without even knowing it."

"Having just learned about the empirical rule, I was surprised to see a bell-shaped curve upon hitting the search button."

"Outside of this Statistics class, the knowledge I've learnt feels very useful...does not apply to niche concepts or procedures on how to correctly find "buzz-word" variables. Instead, having a solid understanding of what good data is, how to interpret that data, and the risks associated with making assumptions has been very useful since the start of the class."

"Further, this course showed me that gathering and collecting data is merely half the battle – as data interpretation is perhaps the most critical aspect of statistics. "

"This course has really opened my eyes towards how I see the world. I see a lot more numbers around me, especially after doing that activity with the at home testing."

"Based on your physical condition for your age, you can expect to be walking unassisted in 6-8 months."

This statistic the surgeon presented reminded me of this statistics class and piqued my curiosity. Is there any statistical evidence to back this claim?"

"Based on what we have learned about null and alternative hypotheses, I used sample data from one of our day's sales inventory sheets... to determine whether BB sales had been decreasing overall, as I had thought."

"I have started to use probability when looking at stocks to invest based on data that is given from companies or when I am mindlessly bored throwing a ball into a basket to see find the probability that I will score. I also have been seeing and understanding sample inference especially with confidence intervals due to the COVID-19 pandemic, "

Thoughts on reflection for final exams / assessments

