

Freakonomics Math 1 Writing Assignment:

- 1.) What was your first reaction/impression to this documentary? Was the information surprising or not and why?

- 2.) Compare and contrast causation vs. correlation.

- 3.) Summarize one of the segments from the video that you found most interesting. Explain to me what happened in the segment, what you learned, and why you found it the most interesting.

- 4.) Create a scenario where we could see if there is a correlation between two variables (may not use examples from class). Justify why you think these two variables would have a correlation and how we could collect the data to test your hypothesis.

- 5.) Create a scenario where we could see if there was causation between two variables (may not use examples from class). Justify why you think these two variables would have a causation and how we could collect the data to test your hypothesis.

- 6.) Throughout Freakonomics, the authors discuss the idea of incentives. Indeed, incentives have been the cornerstone of human existence. An understanding of incentives is the key to clearly understanding any human behavior. After watching the segment about paying students for good grades, were you surprised by the difference it made? Explain why. If were to do a similar study here at NAMS, do you think we would get the same results? Why or why not? Would you keep the requirements/experiment the same or would you change it? Why?

Closing:

What new thoughts and/or questions has this research/film/data analysis/statistics raised in your own mind?