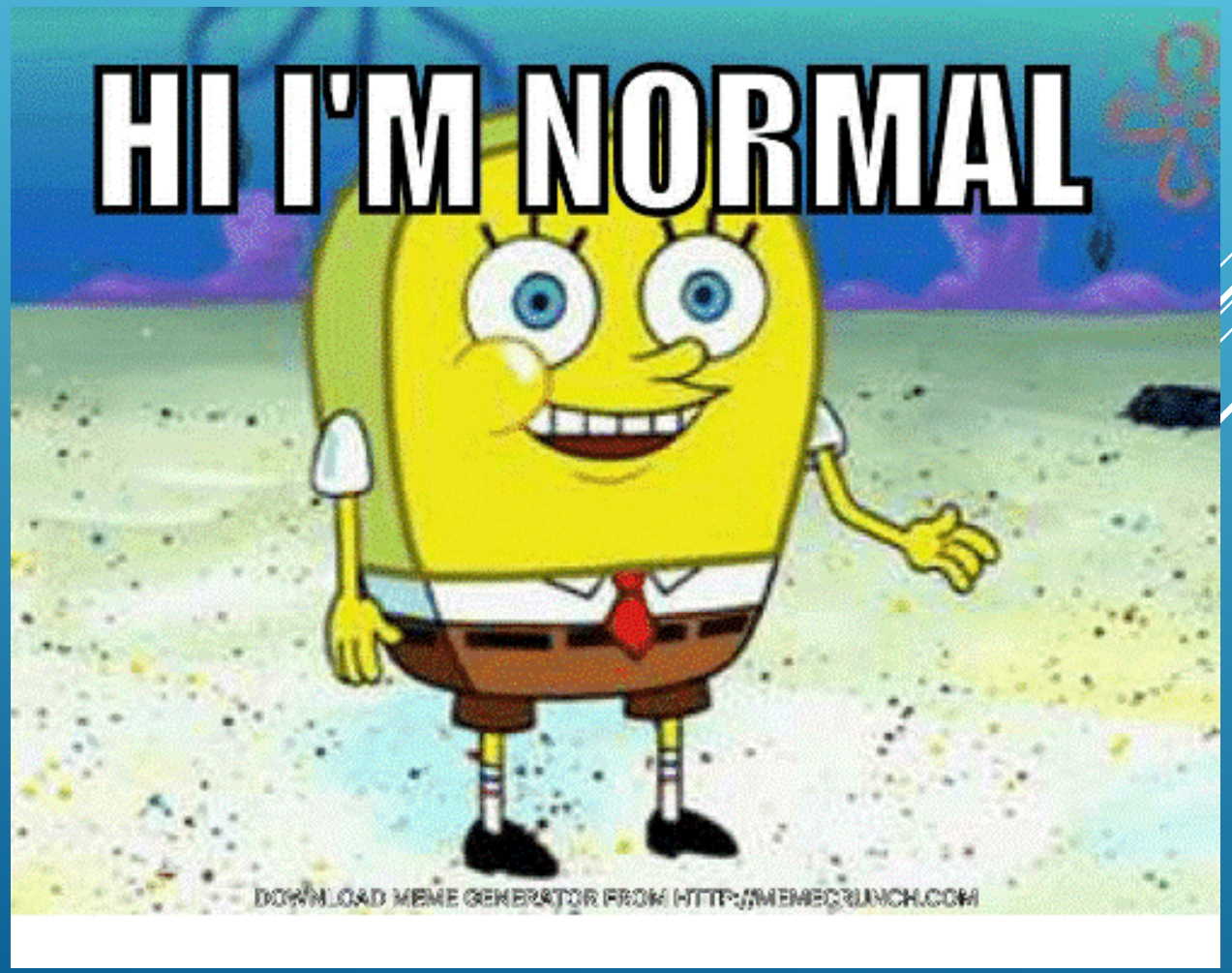
Statistics with Integrated Technology.

DR. FEDERICO HERNANDEZ
SAM HOUSTON MATH, SCIENCE, AND TECHNOLOGY CENTER

JASON ONDRUCH
WESTSIDE HIGH SCHOOL

“DON’T CALL ME AVERAGE! THAT’S JUST MEAN”



DO NOW

1. Take your heart rate while sitting down and record your sitting heart rate on the blue sticky note.
2. Take your heart rate while standing up and record your standing heart rate on the pink sticky note.
3. Place each of your sticky notes on the board in the designated areas.

YOU HAVE 2 MINUTES TO FIND THE **MEAN**, **MEDIAN**, **MODE**, AND **RANGE** OF EACH DATA SET

(DO THIS MANUALLY… NO TECHNOLOGY)

2:00

GUIDING QUESTIONS

1. What do these numbers mean? (and by mean, I mean represent)
2. What does each of these statistical measures represent?
3. How can technology help us out in these types of situations?
4. Why is it important for us to know and understand the mathematics the technology is doing for us?
5. Is it important that you understand the “numbers” generated by the technology? Why?

WRITING ACTIVITY

- How would you explain these data results to someone?
- Where in real world situations, would you be able apply a combination of statistics and technology?

Exit Ticket

Technology can help us solve problems that might otherwise take too long or forever to solve, why is it important that we understand both the mathematics facilitated by technology and the results (numbers) generated?

This material is based upon work supported by the National Science Foundation under Grant No. 1556006.

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

THANK YOU