# Get Excited!
# It's Statistics!

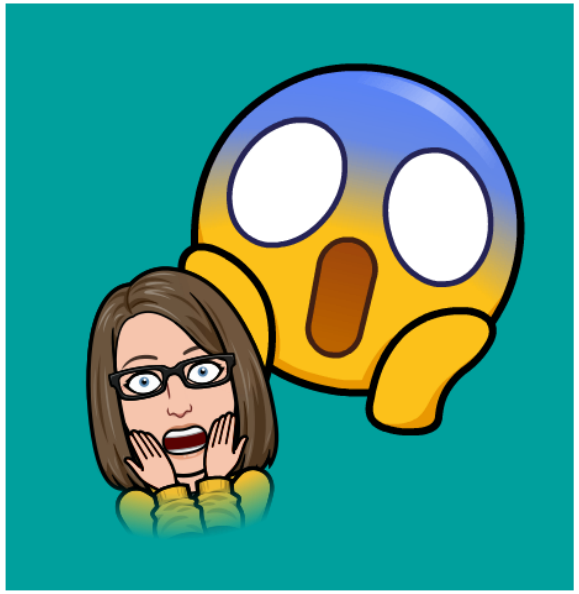
## Bring the Energy

Helping Students Get Excited About Learning Statistics

By Holly Deal

# ANYTHING but MATH!

- Statistics means **MATH**!
- Math means **NUMBERS**!
- Numbers mean "**I'M DOOMED**!"







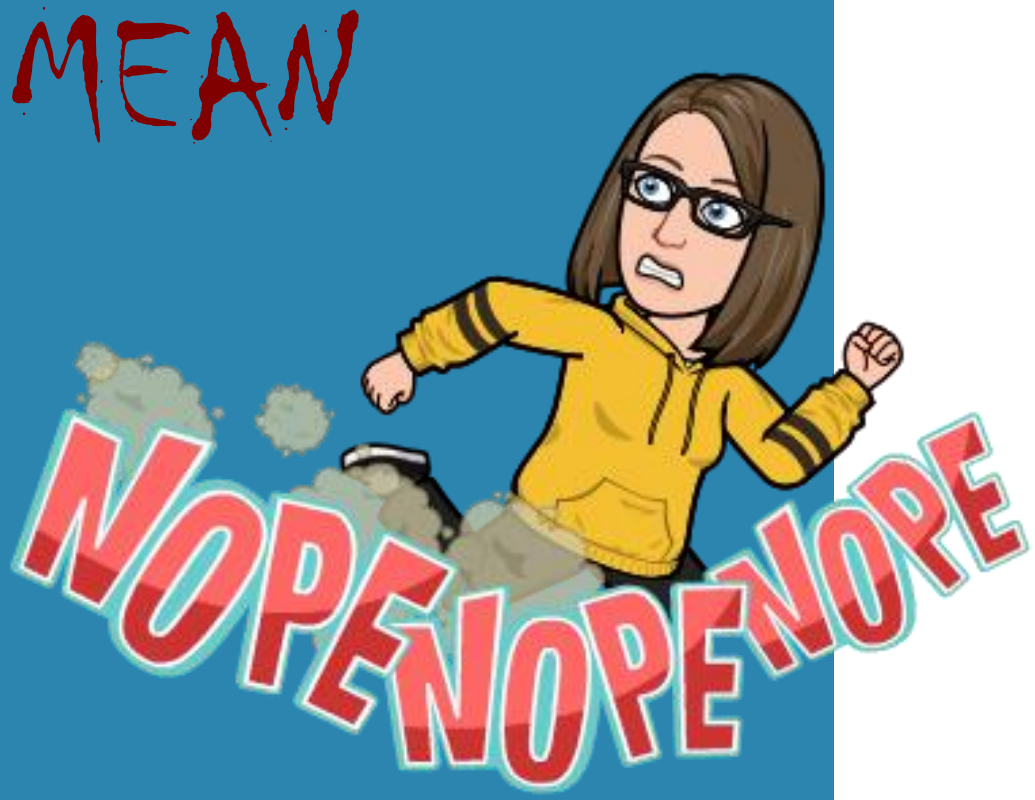

# Holly Deal

- Senior Lecturer of Statistics - Kennesaw State
- Honors Lecturer - Kennesaw State
- Wife – 32 amazing years
- Mother - 2 adult children
- Crazy cat lady – had to stop at 3
- Daily goal – beat the Wordle bot
- Minecraft enthusiast – mental winddown

# Agenda

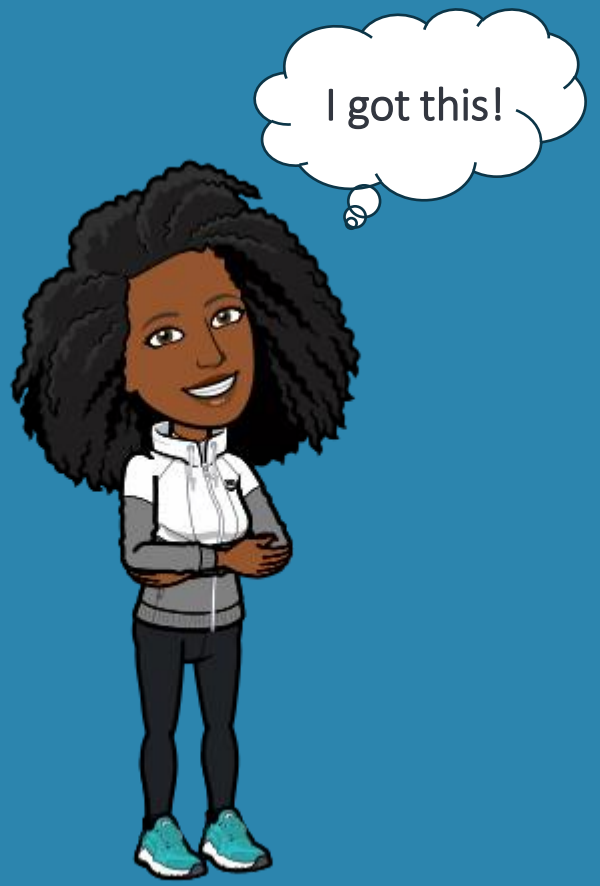
- My experiences
- Elementary Statistics vs. AP Statistics
- Student engagement competing forces
- Ways to combat the competition
- My teaching approach
- Questions






# College Introductory Statistics

- The bane of non-STEM majors' college journey!
- Survey course
- 14 weeks
  - two 1-hour & 20 minute sessions per week
  - three 55-minute sessions per week
- Large class sizes
- Lots of content, little time
- Constrained to specific technology
- Required for many students




# High School AP Statistics

- Small class sizes
- Year-long courses
- Students eager to succeed
- Students pleasing parents
- Taken by choice

# Competition



Devices

Tiredness

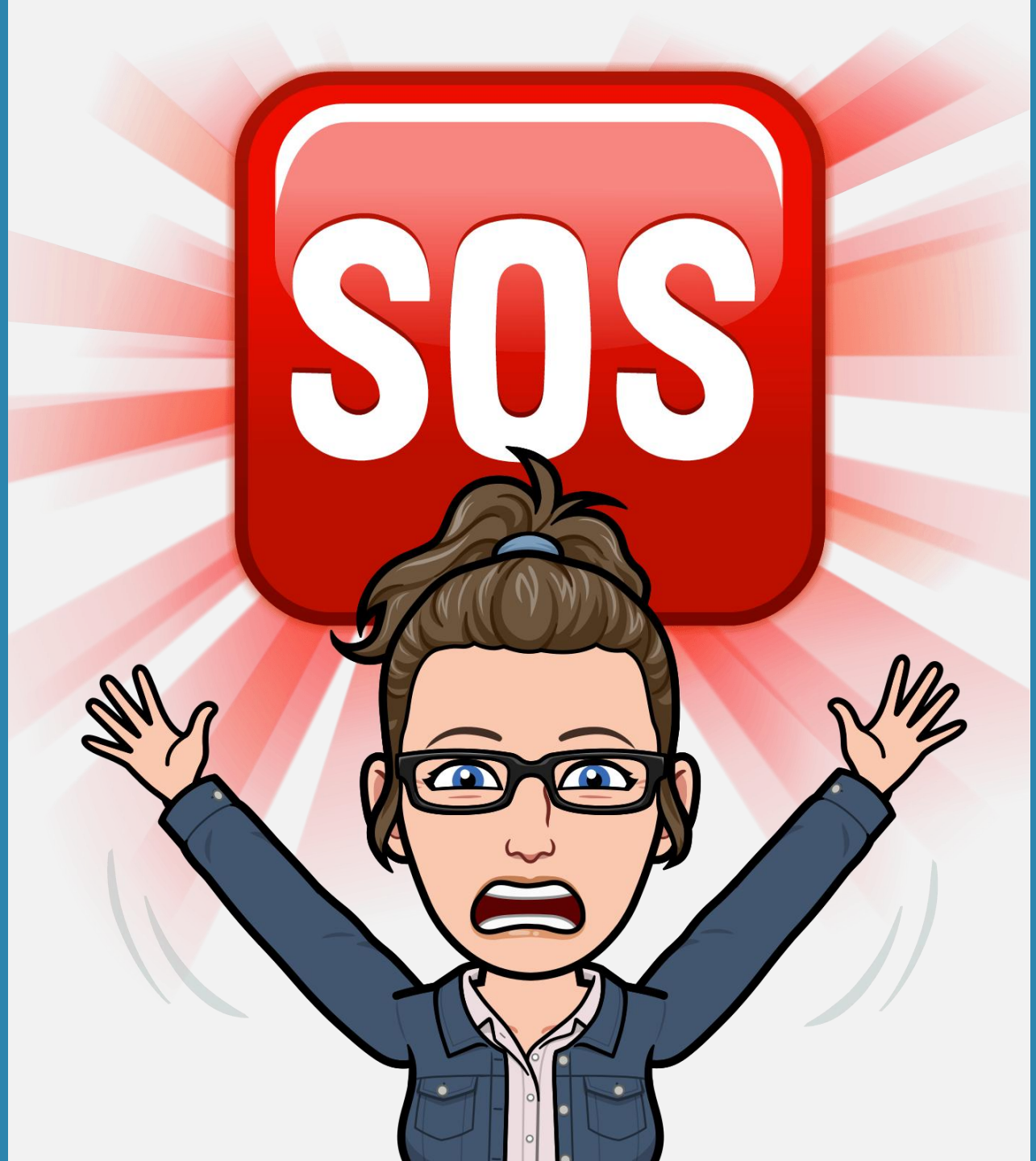





Mindset

Disinterest






# What to do?

# In a world where you can be anything…

**Be KIND**

**Be ENCOURAGING**









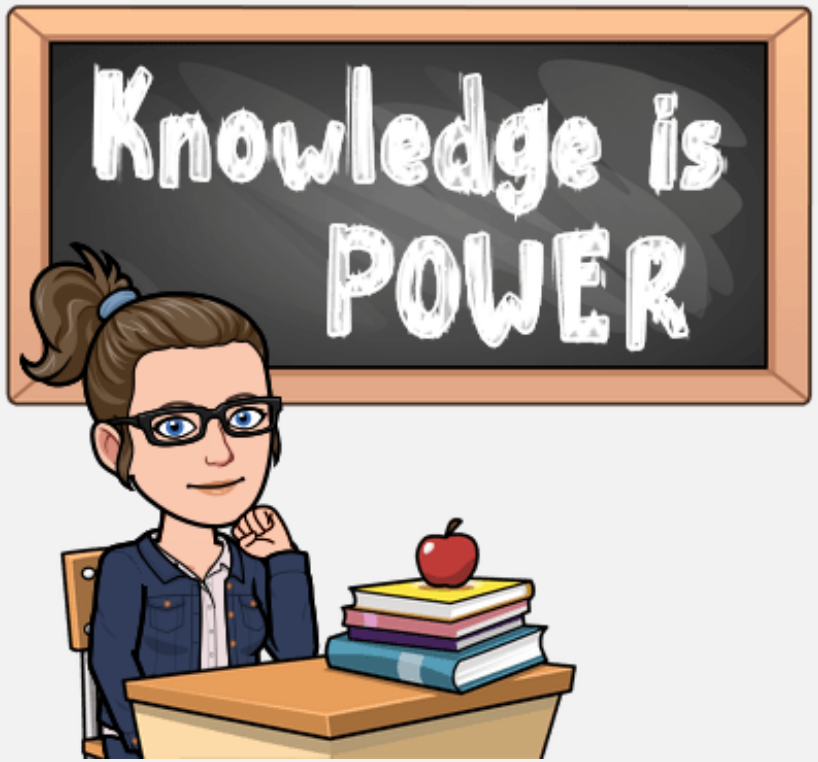






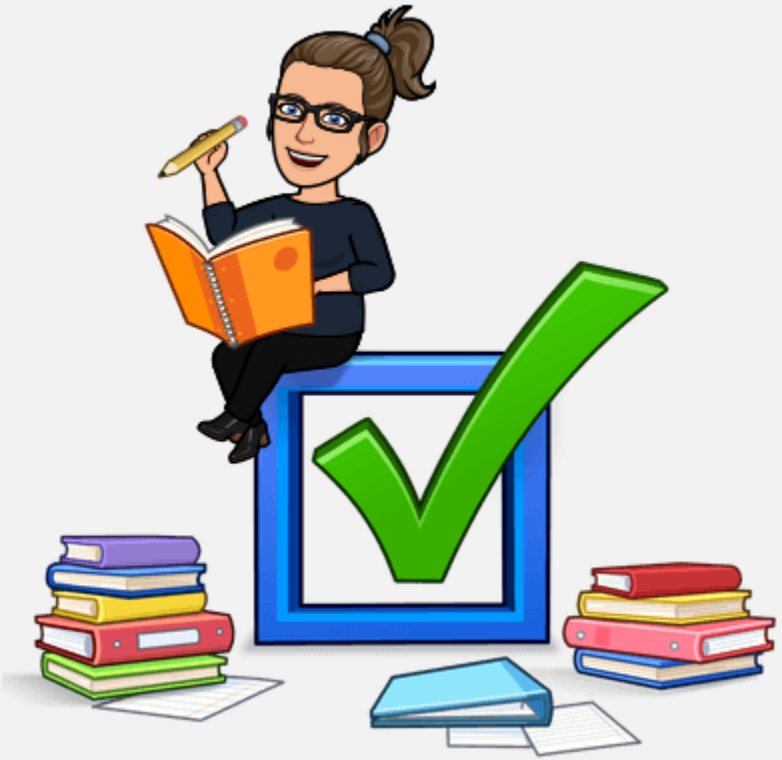



# Know your material and be ready




**Be KNOWLEDGEABLE**

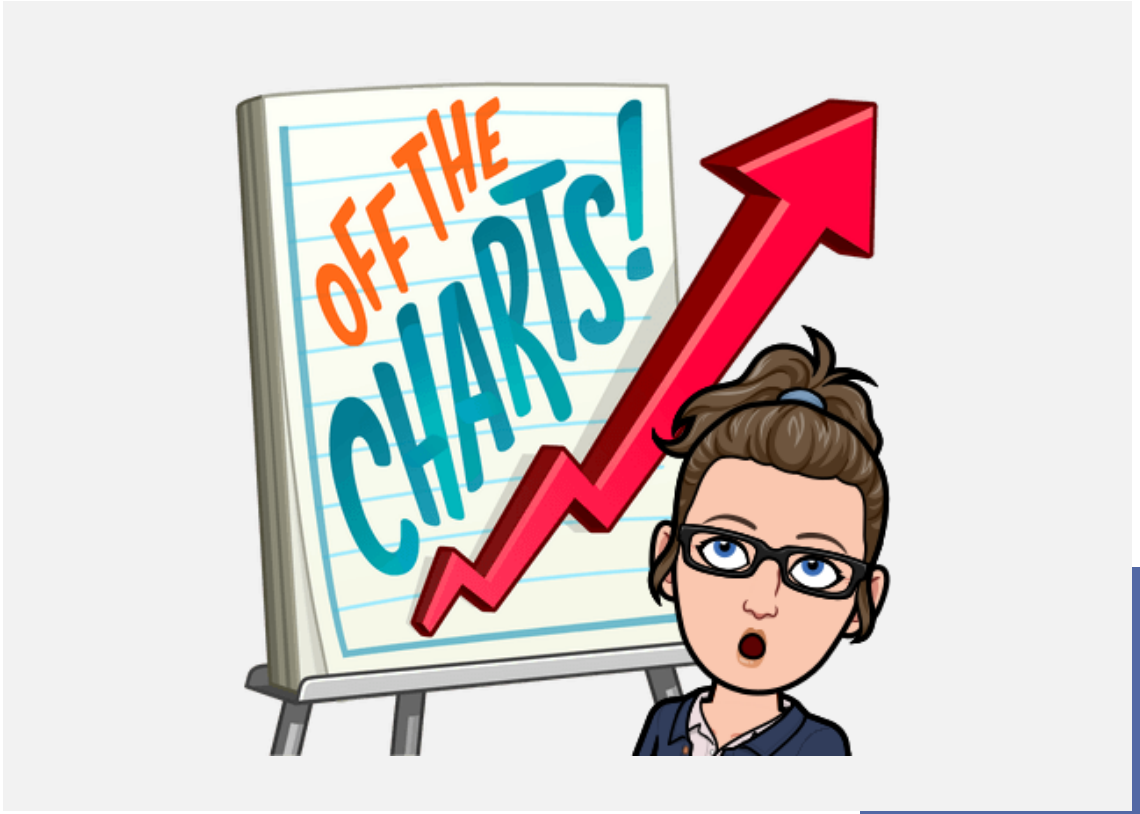
**Be PREPARED**






**PRACTICAL**

**RELEVANT**






# FUN




# TEAM EFFORT

# YOU






# ENJOY getting to know your students

- What do they think about statistics?
  - Nervous
  - Excited
  - Interested
  - Disinterest
- Why are they taking statistics?
- What are they interested in?
- Are they diverse or similar?
- Whom do they look up to?
- What do they want to do after high school?

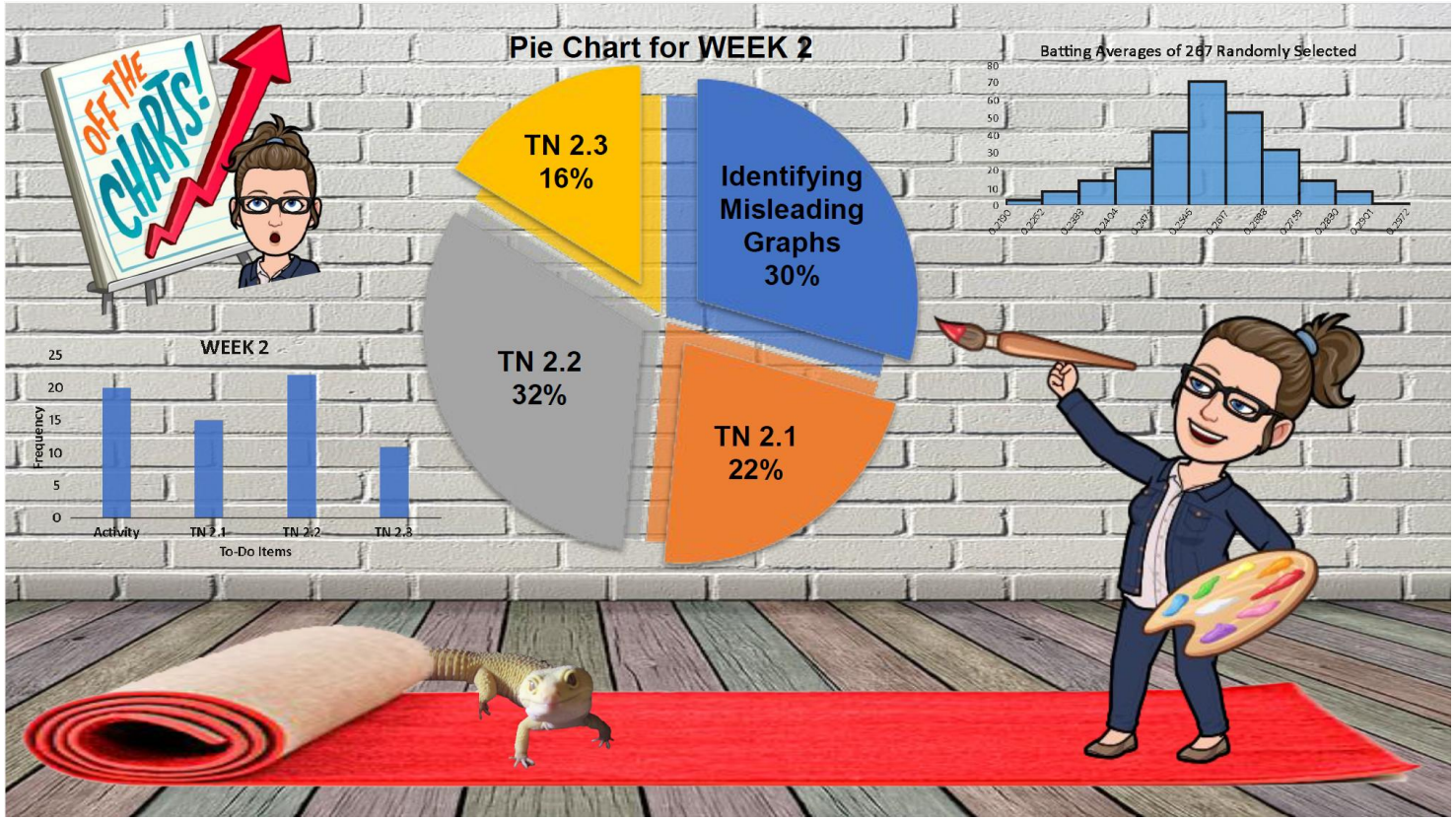




# Teaching ideas

# Teaching ideas (and ideas for teaching)

- Teach along the grain
- Use real-world examples
- Hands-on activities
- Games
- Fill-in notes
- Be prepared
- Be enthusiastic
- Enjoy your students
- Have fun teaching
- Occasional in-class bonuses




Any Questions?