

LAB Title: Sticky Data - “The Gum Lab”

Question/Problem: I wonder if I can chomp a piece of gum at the same speed for 2 minutes?

Independent Variable: Chewing a piece of gum for 2 minutes

Dependent Variable: The chomping speed

Hypothesis: If I chomp a piece of gum for 2 minutes, then I will notice that my chomping speed increased over time.

Materials: Gum, Stopwatch, a partner

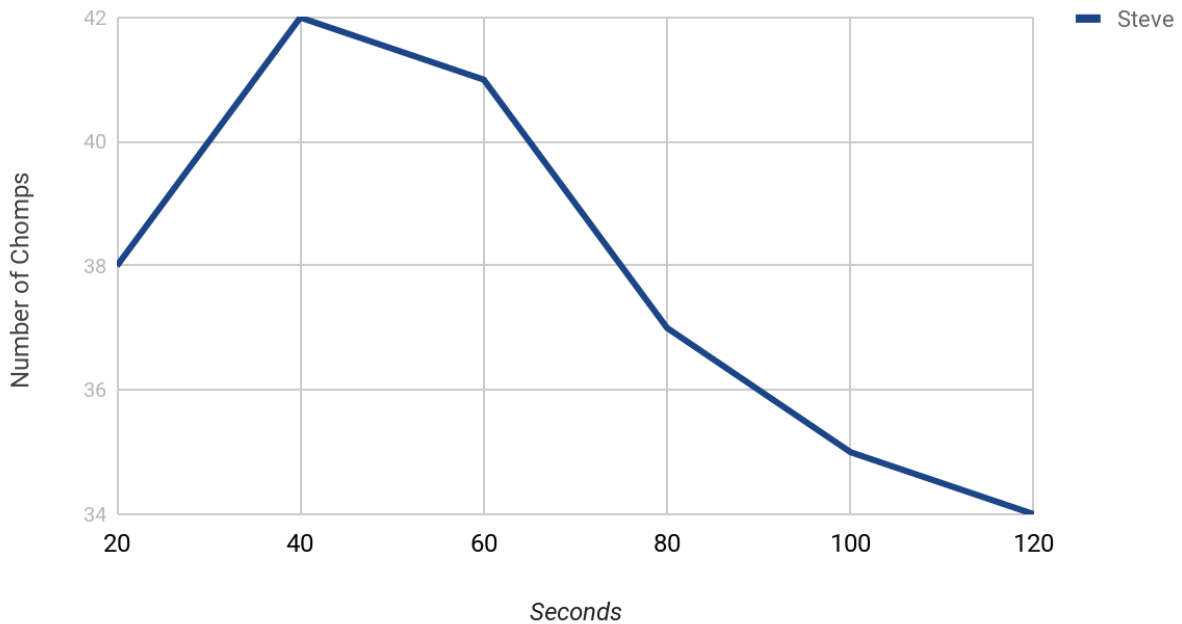
Experiment Procedure (numbered steps):

- 1) Have your partner next to you and all materials ready
- 2) Partner should start stopwatch as soon as you put gum in mouth.
- 3) Partner should tell you when each 20 second interval has arrived.
- 4) Count the number of chomps EACH 20 seconds.
- 5) In the data table write the number of chomps that happened in 20 seconds for each interval.
- 6) 120 seconds is the end of the experiment, do not count further.

OBSERVATIONS and DATA:

Time (Seconds)	Number of Chomps
20	38
40	42
60	41
80	37
100	35
120	34

Steve's Chomp Chart



Observations (write about how your jaw felt, was this challenging, did the gum feel any different over time)

I hurt.

Analysis:

Possible explanation for the pattern you see in the data.

Conclusion (RERUNS):

Recall

Explain the purpose

Results

Uncertainty (different gum?)

New - what did you learn

Show - was your hypothesis correct? Why or why not