Rohit Shenoy #2

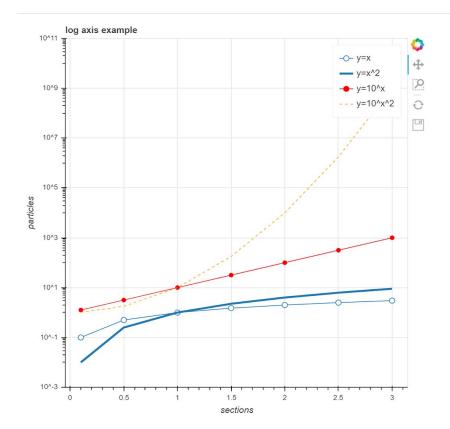
CS 4485

Objectives

- 1. Install Python and Bokeh
- 2. Implement a Bokeh visualization
- 3. Optional: make slide on GSR.

Python + Bokeh

```
.py] - C:\Users\rohit\OneDrive\Documents\College\CS 4485\bokehVisualization.py - PyCharm
Window Help
llege 🗎 CS 4485 🤇 🐔 bokehVisualization.py
 actionfigures.py × crocs.py × bokehVisualization.py
         output file ("log lines.html")
          # how the results
         show (p)
```



GSR

- The galvanic skin response (GSR) refers to changes in sweat gland activity that are reflective of the intensity of our emotional state, otherwise known as emotional arousal.
- Both positive ("happy" or "joyful") and negative ("threatening" or "saddening") stimuli can result in an increase in arousal and in an increase in skin conductance. The GSR signal is therefore not representative of the type of emotion, but the intensity of it.
- Skin conductance is not under conscious control. Instead, it is modulated autonomously by sympathetic activity which drives aspects of human behavior, as well as cognitive and emotional states.
- Skin conductance is captured using skin electrodes which are easy to apply. Data is acquired with sampling rates between 1 – 10 Hz and is measured in units of micro-Siemens (μS).