**Introduction: Use Slides**

1. What is Python?
   1. What this means - Python is easy to use and does not need to compile
   2. Python uses
      1. Data science - now most popular programming language for data science
      2. Back end development - glue to hold together pieces of other projects, allows for quick development and rapid scalability
      3. Machine learning - most popular machine learning language
   3. Python Applications
      1. Youtube
      2. Google
      3. Instagram
      4. Spotify
2. Python versions
   1. Python does not have backward compatibility
3. Writing and running Python
   1. Editor + command line “python helloworld.py” - Sublime, notepad, pycharm
   2. Editor with built in run functions - Spyder
   3. Jupyter notebooks
   4. Colab
4. Python files
   1. .py for python scripts, run top to bottom
   2. .ipynb for notebooks

**Switch to screen share/projecting**

1. Introduction to Google Colab?
   1. *Action Item:* Go to website and create a new Colab
   2. Online notebook that we can use for free
   3. Use Google’s resources
   4. Easy sharing
   5. Quick timeout
   6. Why use notebooks?
      1. Divided into cells