

Section 1

MANE 3351

Subsection 1

Laboratory 1

Classroom Management

Agenda

- Discuss Syllabus
- Grit
- Computing Resources

Subsection 2

Resources

Handouts

- Laboratory 1 slides
- Laboratory 1 Marked

Assignments

- Get textbook
- Take survey (Homework Drop Boxes)

Subsection 3

Laboratory 1 Content

Raspberry Pis

- Single board computer
- Raspberry Pi OS based on Debian Linux
- Inexpensive (UTRGV providing)
- UTRGV IS will not allow RPis on network
- Hardware will be used initially, personal computers will be used later

Software Packages Utilized

- Python: Anaconda Python on laptops (Mac or Windows) or Python on Raspberry Pi
- Jupyter Notebook: specialized Python application used in data science, data analytics, and artificial intelligence
- Octave: Open source version of Matlab
- Arduino IDE
- GitHub: filesharing package (free)

Syllabus

- Discuss laboratory portions of syllabus

Grit

- Discuss Grit and how it relates to MANE 3351
- Java Server Faces example