Section 1

MANE 3351

Subsection 1

Lecture 1

Classroom Management

Agenda

- Discuss Syllabus
- Me Talk
- Lecture

Subsection 2

Resources

Handouts

- Syllabus
- Lecture 1 slides (pdf)
- Lecture 1 slides (pptx)
- Lecture 1 Marked

Assignments

- Get textbook

Subsection 3

Lecture 1 Content

Goals for this course

- Improving programming skills
- Enhance mathematical skills to solve engineering problems
- Upgrade your technical presentation skills

Programming Languages

- Python 3
    - Python will likely replace both C and Java within the next three to four years
- Various Python libraries
- Octave (open source version of Matlab)
- Jupyter Notebook
    - Why Jupyter is data scientists' computational notebook of choice
    - Jupyter Notebook Demonstration
      (github.com/douglastimmer/PublicStuff/StatisticsNotebooks)
- All classroom examples will be provided to you

Classroom Organization

- Lot of experimentation in this course (trial and error)
- Adjust lecture meeting time
- Discuss grading scheme
- I reserve the right to lecture during laboratory time
- Markdown is used for slides and handouts

Textbook

- Open source (free)
- Get it immediately