REFERENCES

For fundamentals needed for this course

Linear Algebra & Calculus Basics & Probability Theory & Statistics

- Matrix maths
- Derivatives
- Distributions
- Sampling

- **Mathematics for Machine Learning**
  - *https://mml-book.github.io/book/mml-book.pdf*

- **Deep Learning by Goodfellow et. al**
  - *https://www.deeplearningbook.org/front_matter.pdf*

- **MIT's course for Linear Algebra**
  - *https://ocw.mit.edu/courses/mathematics/18-06-linear-algebra-spring-2010/*

- **Pattern Recognition and Machine Learning by Chris Bishop**
  - *https://www.microsoft.com/en-us/research/uploads/prod/2006/01/Bishop-Pattern-Recognition-and-Machine-Learning-2006.pdf*

Python

- Codecademy
  - https://www.codecademy.com/catalog/language/python
- Python for Beginners
  - https://www.pythonforbeginners.com/basics/
- Python Module of the Week
  - https://pymotw.com/3/
- Deep Learning with Python
  - https://www.amazon.com/Deep-Learning-Python-Francois-Chollet/dp/1617294438

R

- Codecademy
  - *https://www.codecademy.com/learn/learn-r*
- CRAN R-Project
  - *https://cran.r-project.org/doc/manuals/r-release/R-intro.pdf*

Github

- Github Hello World
  - https://guides.github.com/activities/hello-world/