

# WEEK 0

Hi, so here are the few basic preparations for the project ,

1. Basic tutorial on github  
<https://www.youtube.com/watch?v=tRZGeaHPoaw>
2. Install MATLAB <https://www.iitk.ac.in/cc/images/Matlab/Installing-Matlab-on-Personal%20Machine.pdf>

Contents for week 1 and 2

Reference book: Introduction to Mathematical Statistics by Hogg, McKean and Craig

Contents to be learnt:

1. Conditional Probability,
2. Bayes Theorem
3. Poisson, Bernoulli, Normal/Gaussian Distribution, Binomial Distributions
4. Moments, Expectation, Variance and Co- Variance

You can use materials from youtube too.

Conditional probability and Bayes Theorem are important and we advise you to solve the famous Monty Hall Problem...