Reading Material:

1. **Statistical Inference Overview** - *Slides* **[University of Washington]**
   http://faculty.washington.edu/yenchic/short_course/17AS_Inference.pdf

2. **Review of Probability Theory** - *Reading* **[Stanford]**
   https://cs229.stanford.edu/section/cs229-prob.pdf

3. **Probability Basics for Machine Learning** - *Slides* **[CMU]**
   https://www.cs.cmu.edu/~aarti/Class/10315_Fall19/recitations/recitation_1.pdf

4. **Machine Learning Math Essentials** - *Slides* **[University of Washington]**
   https://courses.washington.edu/css490/2012.Winter/lecture_slides/02_math_essentials.pdf

5. **Probability Theory Review for Machine Learning** - *Slides* **[Stanford]**
   https://see.stanford.edu/materials/aimlcs229/cs229-prob.pdf

6. **Probability and Statistics for Data Science** - *Reading* **[NYU]**
   https://cims.nyu.edu/~cfgranda/pages/stuff/probability_stats_for_DS.pdf

7. **Background Notes and Reading -** *Collection of Readings* **[UC Irvine]**
   https://ics.uci.edu/~smyth/courses/cs274/notes.html

8. **Machine Learning Probability Basics** - Slides **[TU Berlin]**
   https://www.user.tu-berlin.de/mtoussai/teaching/15-MachineLearning/05-probabilities.pdf

9. **Mathematics for Inference and Machine Learning -** *Reading* **[Imperial College London]**
   https://www.doc.ic.ac.uk/~dfg/ProbabilisticInference/InferenceAndMachineLearningNotes.pdf

10. **Statistical Machine Learning** - *Collection of Readings* **[University of Washington]**
    http://faculty.washington.edu/yenchic/19A_stat535.html

11. **Maximum Likelihood Estimation** - *Reading* **[Stanford]**
    https://web.stanford.edu/class/archive/cs/cs109/cs109.1202/lectureNotes/LN21_parameters_mle.pdf

12. **Maximum Likelihood Estimation -** *Reading* **[Missouri State]**
    https://people.missouristate.edu/songfengzheng/Teaching/MTH541/Lecture%20notes/MLE.pdf

13. **Why the log-likelihood? -** *Blog*

https://blog.metaflow.fr/ml-notes-why-the-log-likelihood-24f7b6c40f83

14. **Maximum Likelihood Estimation** - *Slides* **[Purdue]**
    https://engineering.purdue.edu/ChanGroup/ECE595/files/Lecture11_mle.pdf

15. **Statistical Inference** - *Slides* **[Harvard]**
    https://imai.fas.harvard.edu/teaching/files/statistics.pdf