SESSION PLAN	
Session Name	Machine learning: Logistic Regression

Learning Outcomes

- Understand when to use Logistic Regression
- Know the concepts of odds, odds ratio and sigmoid function
- Build a linear regression model using sklearn
- Understand the different evaluation metrics for classification tasks

Prerequisites for the Student

- Machine learning: Logistic Regression - Go through the concept and solve the tasks and assessments.

Student Activities

- Discuss with the Mentor what you have learned.
- Overview of Machine learning: Logistic Regression
    - Sigmoid
    - Cost Function
    - Evaluation Metrics
- Medium blog on Logistic Regression: https://medium.com/data-science-group-iitr/logistic-regression-simplified-9b4efe801389
- Why linear regression is not good for classification?
- Practice problem on Machine learning: Logistic Regression
    - Refer the GitHub repo for problems
- Quiz on Machine learning: Logistic Regression.
- Code Along
- Questions and Discussion on doubts - AMA

Next Session

- Concept - Improving your model with Feature Selection
- Key topics to be highlighted - highlight where they would need to spend more time and importance w.r.t Data Science.
    - Feature Selection Importance
    - Different types of Feature Selection Methods
    - PCA