

## SESSION PLAN

### Session Name

Improving your model with Feature Selection

### Learning Outcomes

- Understand the importance of Feature Selection
- Know where to use Feature Selection
- Implement the different types of Feature Selection methods(Filter, Wrapper, Embedded)

### Prerequisites for the Student

- Improving your model with Feature Selection - Go through the concept and solve the tasks and assessments.

### Student Activities

- Discuss with the Mentor what you have learned.
- Overview of Improving your model with Feature Selection
  - Chi-Squared Test
  - ANOVA
  - Wrapper Methods
  - Embedded Methods
  - PCA
- Practice problem on Improving your model with Feature Selection
  - Refer the GitHub repo for problems
- Quiz on Improving your model with Feature Selection.
- Code Along
- Questions and Discussion on doubts - AMA

### Next Session

- Concept - Decision Tree
- Key topics to be highlighted - highlight where they would need to spend more time and importance w.r.t Data Science.
  - What are decision trees?
  - The working of decision trees
  - Overfitting of data