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| **SESSION PLAN** | | |
| **Session Name** | Making Inference from Data | |
| **Learning Outcomes(5 min)** | | |
| * Make an inference about a population from a sample of data * Develop an intuition about point estimates and interval estimates * Learn how to test your assumptions about data using statistical methods * Understand the different errors involved in testing assumptions | | |
| **Prerequisites for the Students**  * Making Inference from Data - Go through the concept and solve the tasks and assessments. | | |
| **Student Activities** | | |
| * Discuss with the Mentor what you have learned. * Overview of Making inferences from Data   + Statistical Estimation   + Test of Hypothesis * Questions and Discussion on doubts - AMA | | |
| **Preview Of Next Session** | | |
| * Concept - Making your first Prediction with Linear Regression * Key topics to be highlighted - highlight where they would need to spend more time and importance w.r.t Data Science.   + The motivation for Linear Regression   + Assumptions for Linear Regression   + Ordinary Least Squares method   + Error metrics like RMSE, R-squared, MAE | | |