Session Plan – Basic Statistics

**Learning Objective**

* To have a collaborative and interactive flipped classroom session to establish an understanding of the topics of the week through doubts clarification and hands on exercise.

**Agenda of the session:**

* Gauging learners’ understanding on the topics of the week.
* Understanding the concepts clarity of the learners on:
  + Measures of central tendency, dispersion, empirical and Chebyshev rule
  + Correlation, five number summary, visualizations.
* Clarifying doubts.
* Case study hands on.
* Extended Doubts clearing, industry perspective and practices.
* Summary of the session’s learning.

**Structure of the Session:**

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| **Duration** | **Topic** | **Details** |
| 10 min | * **Gauge learner’s understanding** Basic Stastistics | * Ask the learners in the group about the understanding of the week’s topics. * Identify the majority of the important concepts of the group is facing doubts. |
| 20 min | * Concepts clarity | * Clarify the concepts on the doubts raised/identified. |
| 60 min | * **Case Study** Hands-on   + Case-1- 30-40 min   + Case-2 - 30-40 min | * Use the case study provided to have a hands-on session to demonstrate topics covered in the week. Explain the problem statement, attributes and the steps to follow. * Dataset used: churn dataset |
| 25 min | * **Extended Doubts Clearing** and **Industry perspective** discussion | * Use this time to clarify additional doubts. * Also, explain the industry practices as per your experience. |
| 5 min | * Summarize the concepts & Provide next week’s key coverage | * Provide a summary of the session * Upcoming week’s key coverage |