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Sr. No.	Experiments	Date	Signature
1	Estimate the total number of words in the dictionary, calculate the standard error of the total, and determine the 95% confidence limits.	13-02-2025	
2	Estimate the total number of signs in the given dataset and calculate the 99% confidence limits for the total.	20-02-2025	
3	Estimate the total number of inhabitants in 201 cities using both Simple Random Sampling (SRS) and Stratified Random Sampling.	27-02-2025	
4	Estimate the total number of words in the dictionary using Stratified Random Sampling, and calculate the standard error and 95% confidence limits.	05-03-2025 & 06-03-2025	
5	Using SRS with proportional allocation, and with strata equally proportional, estimate the number of inhabitants in 64 cities based on the given data.	19-03-2025	
6	Estimate using Systematic Sampling where rows represent the strata, and compare the precision of: 1. Systematic Sampling 2. Random Sampling 3. Stratified Sampling	27-03-2025	
7	Test the variety effect in a Completely Randomized Design (CRD) experiment using the given data, and perform ANOVA to analyze the results.	02-04-2025	
8	Test the variety effect in a Randomized Block Design (RBD) experiment using the given data, and determine the efficiency of RBD relative to CRD.	03-04-2025	
9	Test the variety effect in a Latin Square Design using the provided data.	09-04-2025	
10	Find out the main effect and interaction effect in 2^3 -Experiment. Analyse the data and write down ANOVA Table	16-04-2025	
11	Identify the main effects and interaction effects in a 2^3 -factorial experiment, and construct the corresponding ANOVA table.	17-04-2025	