

MAHARANA PRATAP MAHAVIDYALAY JUNGLE DHUSAN GORAKHPUR

Lesson Plan 2025-26

B. Sc. V Sem.

STATISTICS (STAT301& STAT302)

Date	Lecture no.	Teacher's Name	Course Code	Lesson	Topic
16-07-25	1	AKR/TS	302	Analysis of Variance	Assumptions and Limitations of ANOVA
17-07-25	2	AKR/TS	302	Analysis of Variance	One way classification
18-07-25	1	AKR/TS	301	Order Statistics	Distribution of minimum and maximum order statistic
18-07-25	3	AKR/TS	302	Analysis of Variance	One way classification
19-07-25	2	AKR/TS	301	Order Statistics	Distribution of rth order statistics
19-07-25	4	AKR/TS	302	Analysis of Variance	One way classification
21-07-25	5	AKR/TS	302	Analysis of Variance	One way classification
22-07-25		AKR/TS		CT	
23-07-25	6	AKR/TS	302	Analysis of Variance	One way classification
24-07-25	7	AKR/TS	302	Analysis of Variance	One way classification
25-07-25	3	AKR/TS	301	Order Statistics	Joint distribution of rth and sth order statistics
25-07-25	8	AKR/TS	302	Analysis of Variance	One way classification
26-07-25	4	AKR/TS	301	Order Statistics	Joint distribution of rth and sth order statistics
26-07-25	9	AKR/TS	302	Analysis of Variance	Two way classification with one observation per cell
28-07-25	10	AKR/TS	302	Analysis of Variance	Two way classification with one observation per cell
29-07-25		AKR/TS		CT	
30-07-25	11	AKR/TS	302	Analysis of Variance	Two way classification with one observation per cell
31-07-25	12	AKR/TS	302	Analysis of Variance	Two way classification with one observation per cell
01-08-25	5	AKR/TS	301	Multivariate Normal Distribution	Definition and its properties
01-08-25	13	AKR/TS	302	Analysis of Variance	Two way classification with equal number of observations per cell
02-08-25	6	AKR/TS	301	Multivariate Normal Distribution	Marginal Distributions
02-08-25	14	AKR/TS	302	Analysis of Variance	Two way classification with equal number of observations per cell
04-08-25	15	AKR/TS	302	Analysis of Variance	Two way classification with equal number of observations per cell
05-08-25		AKR/TS		CT	
06-08-25	16	AKR/TS	302	Analysis of Variance	Two way classification with equal number of observations per cell

07-08-25	17	AKR/TS	302	Analysis of Variance	Analysis of covariance
08-08-25	7	AKR/TS	301	Multivariate Normal Distribution	Conditional Distributions
08-08-25	18	AKR/TS	302	Analysis of Variance	Analysis of covariance
11-08-25	19	AKR/TS	302	Design of Experiment	Principles of Design of Experiment
12-08-25	20	AKR/TS	302	Design of Experiment	Principles of Design of Experiment
13-08-25		AKR/TS		CT	
14-08-25	21	AKR/TS	302	Design of Experiment	Randomization, Replication and Local Control
18-08-25	22	AKR/TS	302	Design of Experiment	Randomization, Replication and Local Control
19-08-25	23	AKR/TS	302	Design of Experiment	Randomization, Replication and Local Control
20-08-25	24	AKR/TS	302	Design of Experiment	Completely Randomised Design
21-08-25	25	AKR/TS	302	Design of Experiment	Completely Randomised Design
22-08-25	8	AKR/TS	301	Multivariate Normal Distribution	Moment Generating functions
22-08-25	26	AKR/TS		CT	
23-08-25	9	AKR/TS	301	Multivariate Normal Distribution	Characteristics functions
23-08-25	27	AKR/TS	302	Design of Experiment	Completely Randomised Design
25-08-25	28	AKR/TS	302	Design of Experiment	Completely Randomised Design
26-08-25	29	AKR/TS	302	Design of Experiment	Completely Randomised Design
27-08-25	30	AKR/TS	302	Design of Experiment	Randomized Block Design
28-08-25	31	AKR/TS	302	Design of Experiment	Randomized Block Design
29-08-25	10	AKR/TS	301	Multivariate Normal Distribution	Maximum Likelihood Estimation of Mean vector
29-08-25		AKR/TS		TEST	
30-08-25	11	AKR/TS	301	Multivariate Normal Distribution	Maximum Likelihood Estimation of Dispersion matrix
30-08-25	32	AKR/TS	302	Design of Experiment	Randomized Block Design
01-09-25	33	AKR/TS	302	Design of Experiment	Randomized Block Design
02-09-25	34	AKR/TS	302	Design of Experiment	Randomized Block Design
03-09-25	35	AKR/TS	302	Design of Experiment	Randomized Block Design
04-09-25	36	AKR/TS	302	Design of Experiment	Randomized Block Design
06-09-25	12	AKR/TS	301	Simple Linear Regression	Model and Assumptions
06-09-25		AKR/TS		CT	
08-09-25	37	AKR/TS	302	Design of Experiment	Efficiency between CRD and RBD
09-09-25	38	AKR/TS	302	Design of Experiment	Efficiency between CRD and RBD
10-09-25	39	AKR/TS	302	Design of Experiment	Efficiency between CRD and RBD

11-09-25	40	AKR/TS	302	Design of Experiment	Efficiency between CRD and RBD
12-09-25	13	AKR/TS	301	Simple Linear Regression	Least squares theory
12-09-25	41	AKR/TS	302	Design of Experiment	Latin Square Design
13-09-25	14	AKR/TS	301	Simple Linear Regression	MLE of parameters and its properties
13-09-25		AKR/TS		CT	
15-09-25	42	AKR/TS	302	Design of Experiment	Latin Square Design
16-09-25	43	AKR/TS	302	Design of Experiment	Latin Square Design
17-09-25	44	AKR/TS	302	Design of Experiment	Latin Square Design
18-09-25	45	AKR/TS	302	Design of Experiment	Latin Square Design
19-09-25	15	AKR/TS	301	Simple Linear Regression	Estimation of error variance
19-09-25	46	AKR/TS	302	Design of Experiment	Latin Square Design
20-09-25	16	AKR/TS	301	Multiple Linear Regression	ANOVA-Table
20-09-25		AKR/TS		CT	
22-09-25	47	AKR/TS	302	Design of Experiment	Latin Square Design
23-09-25	48	AKR/TS	302	Design of Experiment	Latin Square Design
24-09-25	49	AKR/TS	302	Design of Experiment	Efficiencies between LSD and RBD
25-09-25	50	AKR/TS	302	Design of Experiment	Efficiencies between LSD and RBD
26-09-25	17	AKR/TS	301	Multiple Linear Regression	R square
26-09-25	51	AKR/TS	302	Design of Experiment	Efficiencies LSD and CRD
27-09-25	18	AKR/TS	301	Multiple Linear Regression	Coefficient of determination
27-09-25		AKR/TS		TEST	
29-09-25	52	AKR/TS	302	Design of Experiment	Efficiencies LSD and CRD
30-09-25	53	AKR/TS	302	Design of Experiment	Estimation of missing plots in RBD and LSD
03-10-25	19	AKR/TS	301	Non-parametric tests	Kolmogorov–Smirnov’s test for goodness of fit
03-10-25	54	AKR/TS	302	Design of Experiment	Estimation of missing plots in RBD and LSD
04-10-25	20	AKR/TS	301	Non-parametric tests	Sign test
04-10-25	55	AKR/TS	302	Factorial Experiments	General description
06-10-25	56	AKR/TS	302	Factorial Experiments	General description
07-10-25		AKR/TS		CT	
08-10-25	57	AKR/TS	302	Factorial Experiments	2 ² factorial experiments arranged in RBD
09-10-25	58	AKR/TS	302	Factorial Experiments	2 ² factorial experiments arranged in RBD
10-10-25	21	AKR/TS	301	Non-parametric tests	Wilcoxon Signed rank test
10-10-25	59	AKR/TS	302	Factorial Experiments	2 ² factorial experiments arranged in RBD

11-10-25	22	AKR/TS	301	Non-parametric tests	Wald-Wolfowitz Run test
11-10-25	60	AKR/TS	302	Factorial Experiments	2^3 factorial experiments arranged in RBD
24-10-25	23	AKR/TS	301	Non-parametric tests	Wilcoxon Rank sum test
24-10-25	61	AKR/TS	302	Factorial Experiments	2^3 factorial experiments arranged in RBD
25-10-25	24	AKR/TS	301	Non-parametric tests	Median test
25-10-25		AKR/TS		TEST	
27-10-25	62	AKR/TS	302	Factorial Experiments	2^3 factorial experiments arranged in RBD
29-10-25	63	AKR/TS	302	Factorial Experiments	2^n factorial experiments arranged in RBD
30-10-25	64	AKR/TS	302	Factorial Experiments	2^n factorial experiments arranged in RBD
31-10-25	25	AKR/TS	301	Non-parametric tests	Mann-Whitney U test
31-10-25	65	AKR/TS	302	Factorial Experiments	Concept of confounding
01-11-25	26	AKR/TS	301	Non-parametric tests	Mood's Test
01-11-25	66	AKR/TS	302	Factorial Experiments	Complete and Partial confounding
03-11-25		AKR/TS		CT	
04-11-25	67	AKR/TS	302	Factorial Experiments	Complete and Partial confounding
06-11-25	68	AKR/TS	302	Factorial Experiments	Complete and Partial confounding
07-11-25	27	AKR/TS	301	Non-parametric tests	Shukahtme Test
07-11-25	69	AKR/TS	302	Factorial Experiments	Complete and Partial confounding
08-11-25	28	AKR/TS	301	Non-parametric tests	Spearman's rank correlation test
08-11-25	70	AKR/TS	302	REVISION	
10-11-25	71	AKR/TS	302	REVISION	
11-11-25		AKR/TS		CT	
12-11-25	72	AKR/TS	302	REVISION	
13-11-25	73	AKR/TS	302	REVISION	
14-11-25	29	AKR/TS	301	REVISION	
14-11-25	74	AKR/TS	302	REVISION	
15-11-25	30	AKR/TS	301	REVISION	
15-11-25	75	AKR/TS	302	REVISION	