Rayat Shikshan Sanstha's
K. B. P. MAHAVIDYALAYA, PANDHARPUR
DEPARTMENT OF STATISTICS
B.Sc. – III

(2020 – 2021)

LIST OF ADVANCED LEARNERS

Sr. No.	Name of the student
1	Akanksha Mahesh Waste
2	Sangita Balasaheb jagtap
3	Chaugule Archana Kumar
4	Shinde Shital Dattatray
5	Shweta Ramchandra Galande
6	Dipali Hanumant Shinde
7	Sanika sunil Bhagwat
8	Pandhare Indira changdev
9	Komal Sanjay Pawar
10	Raut vijay pandurang

LIST OF SLOW LEARNERS

Sr. No.	Name of the student
1	Priyanka santosh jagdale
2	Sonali Rajiv Mahamuni

Rayat Shikshan Sanstha's

K. B. P. MAHAVIDYALAYA, PANDHARPUR

DEPARTMENT OF STATISTICS

B.Sc. – II

(2020 – 2021)

LIST OF ADVANCED LEARNERS

Sr. No.	Name of the student
1	Tamboli Sahista Ahamad
2	Sarvade shivani narayan
3	Aadesh Chanda Chandankar
4	Shailesh dadasaheb survase
5	Dipali Shamrao Pawar
6	Shweta Ramdas Pawar
7	Monali kundalik bandgar
8	Prashant Sunil chavan
9	Sneha netaji ubale
10	Om kailas Surwase

LIST OF SLOW LEARNERS

Sr. No.	Name of the student
1	Bankar sonali sudhir
2	Vijay Balasaheb Surve
3	Bhosale Komal Kakasaheb
4	SUTAR shubham Hari
5	Harshavardhan navnath londhe

Rayat Shikshan Sanstha's

K. B. P. MAHAVIDYALAYA, PANDHARPUR

DEPARTMENT OF STATISTICS

B.Sc. – I

(2020 – 2021)

LIST OF ADVANCED LEARNERS

Sr. No.	Name of the student
1	Gaikwad Gitanjali Atmaram
2	Pakhare Mahesh Balasaheb
3	Saraswati Nagesh Korake
4	Bhosale Vishal Sanjay
5	KATKAR AISHWARYA SAVATA
6	Rutuja Sahadev Koli
7	Om ganesh jadhav
8	Sakshi anil sonavane
9	Aparna pramod babar
10	Akshada Prashant Chakorkar

LIST OF SLOW LEARNERS

Sr. No.	Name of the student
1	Honkade Rahul Dilip
2	Mayuri Sunil Bahirwade
3	Randive ROHIT DATTA

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur
Department of Statistics
Time-Table of PPT Lectures Conducted by the Faculty Members
(2020 – 2021) SEM I

Name of the Teacher	Class	Date	Time	Subject
Mr. S.L. Bahadure	B.Sc. II	28/09/2020	10:52-02:04	Fitting of Binomial Distribution.
	B.Sc. II	11/09/2020	10:52-02:04	Model sampling of Poisson Distribution.
Mr.Shinde M.R.	B.Sc. II	21/09/2020	10:52-02:04	Partial & Multiple Correlation.
	B.Sc. II	22/09/2020	10:52-02:04	Multiple Linear Regressions.
	B.Sc.III	27/09/2020	1:16-2:04	Systematic Sampling.
	B.Sc.III	11/09/2020	12:28-01:16	Custer Sampling.
Miss.Dandage S.R	B.Sc. II	22/09/2020	03:02-03:50	Exponential Distribution.
	B.Sc. I	12/09/2020	02:14-05:00	Measures of central tendency.

	B.Sc.III	25/09/2020	1:16-2:04	Consistent Estimator.
	B.Sc.III	25/09/2020	1:16-2:04	Method of moment Estimator.
Miss.Bhosale B.S.	B.Sc. III	14/10/2020	12:28-02:04	Some basic concept Used in LPP.
	B.Sc. III	16/10/2020	12:28-01:16	Graphical Method in LPP.
	B.Sc. III	21/10/2020	12:28-02:04	Simplex Method in LPP.

Expt.No.: 3.8   Date:

Title: -Tests based on Chi –square distribution.

(Test for population variance , Test for goodness of fit)

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1. A random sample of 10 students was drawn from a class. The marks obtained by these students were as follows :

63	42	41	39	38	49	25	15	52	37

   The population variance of the marks is assumed to be 62.Test whether the data supports the hypothesis.

2. A random sample of size 10 from a normal population gave the following values:

65	72	68	74	77	61	63	69	73	71

   Test the hypothesis that population variance is 32.

3. A random sample of size 20 from a normal population gives the sample standard deviation 6. Test the hypothesis that population s.d. is 9.

4. A random sample of size 10 from a normal population gives $s^2=90$.Test at 5% level of significance the hypothesis $H_0 : \sigma^2 = 80$ against $H_1: \sigma^2 \neq 80$.

5. The theory predicts the population of beans in the four groups A,B,C and D should be 9:3:3:1. In an experiment amount 1600 beans, the numbers in the four groups were 882,313,287 and 118. Does the experimental result support the theory?

6. A sample analysis of examination results of 500 students was made. It was found that 220 had failed, 170 had secured a third class, 90 were placed in second class and 20 got a first class. Are these figures commensurate with the general examination result which is in the ratio of 4:3:2:1 for the various categories respectively?

7. A die is thrown 120 times with the following results:

Face	1	2	3	4	5	6
frequency	16	30	22	18	14	20

   Test the hypothesis that die is unbiased.

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Expt No: 2.8   Date:-

Title: - <u>Model sampling from Hypergeometric distribution</u>

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1. Draw a model of sample of size 14 from hyper geometric distribution with parameters
   N=10, M=5, n=3.
   Obtain mean and variance of your sample drawn and compare it with theoretical values.

2. Draw a model of sample of size 10 from hyper geometric distribution with parameters
   N=20, M=10 and n=5.
   Find A.M., G.M. and H.M. of your sample.

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Department of Statistics,
Karmav: ·rao Patil
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Expt. N. :- 3
Date:-

Title: -Measures of Dispersion (ungrouped& grouped data).

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1. For the following data:
    9.4,9.1,9.7,8.8,10.6,10.0,10.9,12.3,11.2,8.6,15.5
    Compute : i) Range & it's coefficients
    ii)Quartile Deviation(Q.D.) & it's coefficients
    iii)Inter Quartile Range (I.Q.R)
    iv) Standard Deviation (S.D.) & it's coefficients
    v) Coefficients of variation from following data.
    Also find the same by using MS-EXCEL

2. Following are the marks obtained by 10 students in unit test:
    14,8,11,10,13,16,10, 9,12,5
    Compute: i) Mean deviation about mean.
    ii) Mean deviation about mode.
    iii) Mean deviation about median.

3. The number of runs scored by batsman A & B during the IPL innings are given below :

Batsman A	5	26	97	76	112	89	6	108	24	16
Batsman B	51	47	36	10	58	39	44	42	71	50

    i)Who is more run getter?   ii)Who is more consistent?
    iii)What is the combined C.V. of runs?

4. Following is the distribution of weight of newborn babies:

Weight(lbs.)	6	7	8	9	10	11	12
NoOf babies	7	10	16	24	21	16	6

    Compute: i) Mean deviation about mode
    ii)Quartile Deviation(Q.D)& it's coefficient
    iii)Range & it's coefficient
    Also find the same by using MS-EXCEL

HEAD
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Rayat shikshan Sanstha's

Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur

(Autonomous)

Department Of Statistics

B.Sc.-I (Practical-I)

Expt No: 10

Date:-

Title: - Application of Independence Events

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1. Suppose a card is drawn at random from a well-shuffled pack of playing cards. Let event A= getting a space card; B= getting a king. Are A and B independent?

2. Let $\Omega = \{\omega_1, \omega_2, \omega_3\}$ be a sample space associated with a certain experiment. If $P(\omega_1) = k$, $P(\omega_2) = 2k$ and $P(\omega_3) = k^2 + k$, find k. Also examine whether A=$\{\omega_1, \omega_2\}$ And B= $\{\omega_2, \omega_3\}$ are independent events.

3. A bag contains 4 tickets numbered 445, 454, 544 and 555. One ticket is drawn randomly. Let A_i (i=1, 2, 3) be the ith digit of the number of the tickets 4. Are A_1, A_2, A_3 i) pairwise independent? ii) Mutually independent?

4. A town has 3 doctors A, B and C operating independently. The probability that doctor A is available is 0.9 and that for B is 0.6, for C is 0.7. What is the probability that at least one doctor is available when needed?