

**Department of Statistics**

**Projects in academic year 2018-19**

Sr. No.	Title of the project	No. of students	Project Guide
1	Statistical Analysis of flow of children towards Government and Private Schools	6	Ms. Lohar M. B.
2	Study of Analysis of Sugarcane Industries	5	Mrs. Nerlekar S. S.
3	A Statistical Analysis of Weight of Newborn Babies	5	Ms. Barale M. S.



**SHIVAJI UNIVERSITY, KOLHAPUR**

**DEPARTMENT OF STATISTICS**

**VIVEKANAND COLLEGE, KOLHAPUR**



**PROJECT OF STATISTICS**

**“Statistical analysis of flow of children  
towards Government and Private Schools”**

*Under the Guidance of*

**Ms. M. B. Lohar**

**DAPARTMENT OF STATISTICS**

**VIVEKANAND COLLEGE, KOLHAPUR**

**In the year 2018-2019**

# CERTIFICATE



## DEPARTMENT OF STATISTICS

This is to certify that,

Name	Roll No
1)Aajmane Shivani Atul	(8686)
2)Kumbhar Jyoti Rajendra	(8694)
3) Sathe Ankita Mahipati	(8696)
4)Momin Swalehabi Altaf	(8697)
5)Patil Shruti Pradeep	(8704)
6)Kamble Shradha Sanjay	(8876)

has satisfactorily completed the project work on "Statistical Analysis of flow of children towards Government and Private Schools" as prescribed by Shivaji University, Kolhapur in partial fulfillment for B.Sc. III practical course in **STATISTICS**, in the academic year 2018-19.

This project has been completed under our guidance and supervision. To the best of our knowledge and belief, the matter presented in this project report is original and has not been submitted elsewhere for any other purpose.

*M.B.Lohar*  
2.2.19  
**Project Guide**  
Ms. M. B. Lohar  
Assistant Professor

*V.Pawar*  
**Examiner**



*V.Pawar*  
02.2.19  
**H.O.D**  
Prof. V. V. Pawar  
Associate Professor  
**Head**  
Department of Statistics  
Vivekanand College, Kolhapur

1) **Aim:** To get acquainted flow of children towards government and private schools through Statistical study of-

1. The flow of children in government and private school by use of Kolmogorov-Smirnov test.
2. The economical condition of parent is depends upon the selection of type of school.
3. The parent occupation is depends upon selection of type of school.
4. The parent's opinion about both type of school.
5. The urban and rural areas are depends upon selection of type of school.
6. The healthiness of children have in age group(3 to 6)

2) **Pilot Survey:** Before visiting the school firstly, we prepared questionnaire after that we visited government and private schools in rural and urban area and we collected name of student and their addresses and information about their school and facilities they provides. After we visited parent personally, to collect information about project study.

3) **Questionnaire drafting-** The questionnaire is drafted as below:

1. What is your name?
2. What is your education?
3. What is your occupation?
4. Which ration card colour you have?
5. What is your annual income?
6. How many members are in your family?
7. How many children are in your family?
8. How do you send your child in school? By bus, by self vehicle, by walking?
9. Is your child school provides vaccination, mid -day meal in free off cost or not?
10. Is your child getting all facilities by their school as they says?
11. What is your reason of admission in that particular school?
12. What is your opinion about your child school?

4) **Area Identification :**

There are many Government and Private schools spread across the city and in rural area of Kolhapur. From them five areas which have we selected namely (i) **Kasaba Bawada** (ii) **Fulewadi** (iii) **Kale** (iv) **Vasagde** (V) **Rashivde**.

5) **Primary Data collection through direct investigation**

The child parents were interviewed and the five areas for the data were collected as per the questionnaire.

6) **Data understanding and data cleaning:**

A thorough study of the data was made and the variables and attributes were identified. Missing data i.e. some parents refused to reveal their annual income.

7) **Data extraction and Statistical Analysis-** the required data is extracted and statistical analysis is carried as below-

## Conclusion:

- 1) The flow of children towards government & private schools is **depends** upon their parents occupation.
- 2) The flow of children towards government & private schools is **depends** upon the economical condition of their parents.
- 3) The flow of children towards government & private schools is **depends** upon their parents occupation.
- 4) The flow of children towards government & private schools is **depends** upon parents views about the school of their child.
- 5) The flow of children towards government & private schools is **not depends** upon area of learning.

**SHIVAJI UNIVERSITY**

**KOLHAPUR**



**VIVEKANAND COLLEGE,**

**KOLHAPUR.**

**DEPARTMENT OF STATISTICS**

**PROJECT REPORT ON**

**"STUDY OF ANALYSIS OF**  
**SUGERCANE INDUSTRIES"**

“Education for Knowledge, Science and Culture”

-Shikhanmaharshi Dr. Babuji Salunkhe



(स्वायत्त) कोल्हापूर

**VIVEKANAND COLLEGE, KOLHAPUR(Autonomous)**  
**DEPARTMENT OF STATISTICS**

## Certificate

This is to Certify that,

Sr. No.	Name	Roll No.
1	Mr. Chavan Akshay Balasaheb	8687
2	Mr. Kumbhar Swaraj Kishor	8695
3	Mr. Rokade Ashutosh Narayan	8698
4	Mr. Chougule Shubham Prakash	8705
5	Mr. Subhedar Umesh Ramesh	8706

Have satisfactorily completed the project work on “STUDY OF ANALYSIS OF SUGARCANE INDUSTRIES” as prescribed by the “Shivaji University, Kolhapur” for B.Sc. III course in STATISTICS, in the academic year 2018-19.

This project has been completed under our guidance and supervision. To the best of our knowledge and belief, the matter presented in this project report is original and has not been submitted elsewhere for any other purpose.

  
**Project Guide**

(Ms. S. S. Nerlekar)

  
**Examiner**

  
**Head**

(Ms. Pawar V. V.)



**HEAD**  
**DEPARTMENT OF STATISTICS**  
VIVEKANAND COLLEGE, KOLHAPUR  
(AUTONOMOUS)

## AIM AND OBJECTIVE

**Aim:**

**Analysis of sugarcane industries in Kolhapur District.**

**Objective:**

- 1) To check the independency of No. of workers in industries.
- 2) To check the proportion of seasonal workers in private industries.
- 3) To check the proportion of seasonal workers in private as well as cooperative industries.



## CONCLUSIONS

- 1) Proportion of seasonal workers in private industries is less than permanent workers for 2013-14, 2014-15, 2015-16 and more in the year 2016-17.
- 2) Number of workers do not depend on type of industry i.e. number of workers is not affected by private and cooperative industries.
- 3) Proportion of seasonal workers is not same in private and cooperative industries for any of the year.

# **SHIVAJI UNIVERSITY, KOLHAPUR**

*"DISSEMINATION OF EDUCATION FOR KNOWLEDGE, SCIENCE AND CULTURE."*

- Shikshanmaharshi Dr. Bapuji Salunkhe.



**KOLHAPUR**

**Department of Statistics**

**2018-2019**

**'A Statistical Analysis of Weight of  
Newborn Babies'**

Shri Swami Vivekanand Shikshan Sanstha's  
**VIVEKANAND COLLEGE, KOLHAPUR**  
**Department Of Statistics**  
**Certificate**

This is certify that,

Sr. No.	Name	Roll No.
1	Kitture Chetan Annappa	8692
2	Jadhav Abhishek Surendra	8689
3	Parabkar Roshan Ravaso	8699
4	Patil Aniket Dattatray	8700
5	Patil Pravinsinh Bandopant	8101


of B.Sc. III have carried out case study with the topic 'A Statistical Analysis of Weight of Newborn Babies' as "To study a data related to the new born babies, mother and their characteristics." As prescribed by Shivaji University, Kolhapur for B. Sc. – III course in STATISTICS in academic year 2018-2019.

**Date:**

**Place:** Kolhapur

**Case Study Guide:** Mr. M. S. Barale

**Project Guide**

  
Mr. M. S. Barale



**Head of Department**

  
Prof. V. V. Pawar

**Head**  
Department of Statistics  
Vivekanand College, Kolhapur

## **DATA COLLECTION**

The data collected is secondary data from the hospitals namely 1) C.P.R. hospital, Kolhapur 2) Seva Rugnalaya, Bawda and 3) Aster Aadhaar, Kolhapur. The data corresponding to the variables Baby weight, Age of mother, Area of living, Number of delivery, Type of deliveries taken for 619 patients. We didn't consider the observations related to twins delivery in the data.

## **OBJECTIVES OF STUDY**

- To check whether the proportion of male babies and female babies is same or not.
- To check whether there is an impact of gender on weight of babies.
- To check whether there is an impact of no. of deliveries on weight of babies.
- To check whether there is an impact of type of delivery on weight of babies.
- To check whether there is an impact of area on weight of babies.

## **CONCLUSION**

As we have studied the data related to the weight of newborn babies. Here we get the following conclusion from data.

- As per biological study we know that the probability of new born baby to be male or female is equal and our study also shows the same result.
- Our study shows that the average weight of male babies is slightly greater than that of female babies.
- According to the data, the weight of new-born baby is more at the second delivery than that of other deliveries and the weight decreases when the number of delivery increases.
- Average weight of normal delivery babies and Caesarean delivery babies is equal.
- The average weight of babies is greater in urban area.

## **SCOPE AND LIMITATIONS**

1. The data is collected from only three hospitals of Kolhapur city. The results may be vary if we take data from other hospitals.
2. If there is availability of mother's weight at the time of delivery then we can check whether there is any relation between baby weight and mother's weight by correlation analysis.