

A STUDY ON SPLIT-PLOT AND STRIP-PLOT DESIGN

*A Project Report submitted to the Mahatma Gandhi University
in partial fulfillment of the requirement for the award of
Degree of Master of Science in
STATISTICS*

BY

AMALU JACOB

Reg. No. 160011008262

under the Guidance of
Dr. Alex Thannippara



**RESEARCH AND POSTGRADUATE
DEPARTMENT OF STATISTICS
ST. THOMAS COLLEGE, PALA
KERALA**

JULY 2018



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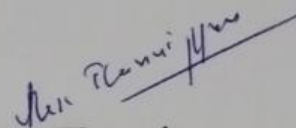
Dr. Alex Thannipara

Associate Professor

Date: 01-08-2018

Certificate

This is to certify that the Project work entitled "A STUDY ON SPLIT-PLOT AND STRIP-PLOT DESIGN" is a bonafide record of work done by Ms. Amalu Jacob in the partial fulfillment of the requirements for the award of Master of Science in Statistics in Mahatma Gandhi University, under my supervision and guidance.

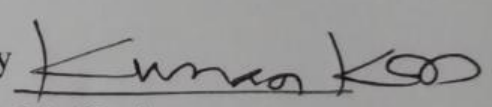

Dr. Alex Thannipara

Department of Statistics

St. Thomas College, Pala



Forwarded by


Dr. K. M. Kurian

Head of the Department of Statistics

St. Thomas College, Pala

A STATISTICAL STUDY OF WATER QUALITY IN FOUR CITIES

PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF
MASTER OF SCIENCE IN STATISTICS

Submitted By

ANITHA P THOMAS

Register No: 160011008263



DEPARTMENT OF STATISTICS
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KERALA

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Dr. K. M. Kurian

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30-07-2018

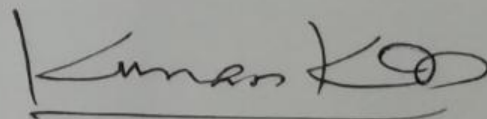
CERTIFICATE

I hereby certify that this project is a bonafide record of work done by **Ms. Anitha P Thomas** under my supervision in partial fulfilment of the requirements for the Degree of Master of science in Statistics of Mahatma Gandhi University, Kottayam and that no part of this it has been submitted earlier for the award of any Degree.

Dr. K .M. Kurian

Department of Statistics

St. Thomas College, Pala



forwarded by,

Dr. K.M. Kurian

Head of the Department of Statistics

St. Thomas College, Pala

A STATISTICAL STUDY AND ANALYSIS OF SMOKING STATUS

*A Project Report submitted to the Mahatma Gandhi University
in partial fulfillment of the requirement for the award of
Degree of Master of Science in
STATISTICS*

BY

ANNA ELIZABETH

Reg. No. 160011008264

under the Guidance of
Dr. Benny Kurian



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JULY 2018



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Dr. Benny Kurian

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Forwarded by

Dr. K. M. Kurian

Head of the Department of Statistics

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**A STUDY ON SEEDS DATA
USING MULTIVARIATE STATISTICAL
METHODS**

A PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF
M.Sc. STATISTICS

Submitted By
ASWATHY VIJAYAN

Register No. 160011008265



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Dr. Seemon Thomas
Associate Professor

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Website:www.step.ac.in

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I hereby certify that this project is a bonafide record of work done by **Miss. ASWATHY VIJAYAN** under my supervision in partial fulfillment of the requirements for the Degree of Master of Science in Statistics of Mahatma Gandhi University, Kottayam and that no part of this work has been submitted earlier for the award of any Degree.

Dr. Seemon Thomas
Department of Statistics
St. Thomas College, Pala



Forwarded by:

Dr. K.M. Kurian
Head of the Department of Statistics
St. Thomas College, Pala

Pala
30/07/2018

A STUDY TO PREDICT THE INCIDENCE OF DIABETES

PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF
M.Sc. STATISTICS

Submitted By

CHRISTINE JAMES

Register No: 160011008266



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I hereby certify that this project is a bonafide record of work done by **Ms. Christine James** under my supervision in partial fulfillment of the requirements for the Degree of Master of science in Statistics of Mahatma Gandhi University, Kottayam and that no part of this it has been submitted earlier for the award of any Degree.

Dr. K .M Kurian



Forwarded by:

Dr.K.M. Kurian

Head of the Department of Statistics

St. Thomas College, Pala

CLASSIFICATION OF WINES DERIVED FROM THREE DIFFERENT CULTIVARS

PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
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MSc STATISTICS

Submitted by

GOPIKA V. NAIR

Register No: 160011008267



DEPARTMENT OF STATISTICS
ST. THOMAS COLLEGE, PALA

KERALA
JULY 2018

A STATISTICAL STUDY ON THE EFFECTIVENESS OF A DRUG ON FRC

A Project Report Submitted to the
Mahatma Gandhi University, Kottayam in
partial fulfillment of the requirements for
the Degree of Master of Science in Statistics

Submitted By

JINTU MATHEW

Register No: 160011008268



Research and Postgraduate Department of Statistics

St. Thomas College, Pala

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JULY 2018



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Associate Professor

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I hereby certify that this project is a bonafide record of work done by Miss. Jintu Mathew under my supervision in partial fulfillment of the requirements for the Degree of Master of science in Statistics of Mahatma Gandhi University, Kottayam and that no part of this work has been submitted earlier for the award of any Degree.

Dr. Benny Kurian

Department of Statistics

St.Thomas College, Pala



Forwarded by :

Dr. K.M Kurian

Head of the department

St.Thomas College,Pala

A STATISTICAL STUDY ON THE DATA OF CONCRETE COMPRESSIVE STRENGTH

**PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF
MASTER OF SCIENCE IN STATISTICS**

Submitted By

LAKSHMI RAJEEV

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DEPARTMENT OF STATISTICS

ST THOMAS COLLEGE, PALA

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July 2018

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I hereby certify that this project is a bonafide record of work done by **Miss. Lakshmi Rajeev** under my supervision in partial fulfillment of the requirements for the Degree of Master of science in Statistics of Mahatma Gandhi University, Kottayam and that no part of this work has been submitted earlier for the award of any Degree.

Dr. Deemat.C.Mathew

Department of Statistics

St. Thomas College, Pala



Forwarded by:

Dr. K.M Kurian

Head of the Department of Statistics

St. Thomas College, Pala

A STATISTICAL STUDY ON MILK PRODUCTION IN TWO GROUPS OF COWS

*A Project Report submitted to the Mahatma Gandhi University
in partial fulfillment of the requirement for the award of
Degree of Master of Science in
STATISTICS*

BY

RIYA BENNY

Reg. No. 160011008271

under the Guidance of
Dr. Alex Thannippara



**RESEARCH AND POSTGRADUATE
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JULY 2018



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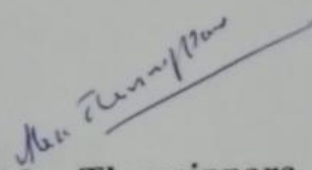
Dr. Alex Thannipara

Date: 01-08-2018

Associate Professor

Certificate

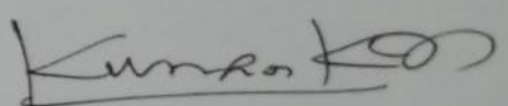
This is to certify that the Project work entitled "A STATISTICAL STUDY ON MILK PRODUCTION IN TWO GROUPS OF COWS" is a bonafide record of work done by Ms. Riya Benny in the partial fulfillment of the requirements for the award of Master of Science in Statistics in Mahatma Gandhi University, under my supervision and guidance.


Dr. Alex Thannipara

Department of Statistics
St. Thomas College, Pala



Forwarded by


Dr. K. M. Kurian

Head of the Department of Statistics
St. Thomas College, Pala

**A STUDY ON MULTINOMIAL LOGISTIC
REGRESSION**

PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF
MSc STATISTICS

Submitted by

ROSMINE GEORGE

Register No: 160011008272



DEPARTMENT OF STATISTICS
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JULY 2018

DEPARTMENT OF STATISTICS
ST. THOMAS COLLEGE, PALA



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I hereby certify that this project is a bonafide record of work done by Miss. **ROSMINE GEORGE** under my supervision in partial fulfillment of the requirements for the Degree of Master of Science in Statistics of Mahatma Gandhi University, Kottayam and that no part of this work has been submitted earlier for the award of any Degree.

Dr. DEEMAT C. MATHEW

Assistant Professor

Department of Statistics

St. Thomas College, Pala



Forwarded by:

Dr. K. M. KURIAN

Associate Professor and Head

Department of Statistics

St. Thomas College, Pala

Pala

27/07/2018

**A STUDY TO PREDICT THE INCIDENCE OF
LIVER DISEASE BASED ON LIVER ENZYMES**

PROJECT REPORT SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF

M.Sc. STATISTICS

Submitted by

SUKANYA S.

Register No: 160011008274



DEPARTMENT OF STATISTICS
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ST. THOMAS COLLEGE, PALA



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Dr. K.M.Kurian



Forwarded by:

Dr. K.M. Kurian

Head of the Department of Statistics
St. Thomas College, Pala

Pala

27/07/2018

A STUDY ON BAYESIAN LOGISTIC REGRESSION MODEL

*A Project Report submitted to the Mahatma Gandhi University
in partial fulfillment of the requirement for the award of
Degree of Master of Science in*
STATISTICS

BY

SWATHY P. S.

Reg. No. 160011008275

under the Guidance of
Dr. Sebastian George



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JULY 2018



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Date: 31-08-2018

Associate Professor

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This is to certify that the Project work entitled "A STUDY ON BAYESIAN LOGISTIC REGRESSION MODEL" is a bonafide record of work done by Miss. Swathy P. S. in the partial fulfillment of the requirements for the award of Master of Science in Statistics in Mahatma Gandhi University, under my supervision and guidance.

Dr. Sebastian George
Department of Statistics
St. Thomas College, Pala



Forwarded by

Dr. K. M. Kurian

Head of the Department of Statistics
St. Thomas College, Pala

Mahatma Gandhi University, Kottayam, Kerala

Revised Syllabus of M.Sc. Statistics Program Under Credit and Semester System (CSS) 2012

Course Code	Course Title	Credits	Teaching Hours
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Semester-I (Total credits-20)

ST1C01	Distribution Theory	4	5
ST1C02	Analytical Tools for Statistics	4	5
ST1C03	Probability Theory	4	5
ST1C04	Mathematical Methods for Statistics	4	5
ST1C05	Statistical Computational Techniques	4	5

Semester-II (Total credits-20)

ST2C06	Multivariate Distributions	4	5
ST2C07	Advanced Probability Theory	4	5
ST2C08	Statistical Estimation Theory	4	5
ST2C09	Stochastic Processes	4	5
ST2C10	Statistical Computing-1	4	5

Semester-III (Total credits-20)

ST3C11	Sampling Theory	4	5
ST3C12	Statistical Testing of Hypotheses	4	5
ST3C13	Design and Analysis of Experiments	4	5
ST3C14	Multivariate Analysis ✓	4	5
ST3C15	Statistical Computing-2	4	5

Semester-IV (Total credits-20)

ST4C16	Statistical Quality Control	3	5
ST4E-01	Elective-1 - <i>Econometric methods</i>	3	5
ST4E-02	Elective-2 - <i>Operational Research</i>	3	5
ST4E-06	Elective-3 - <i>Advanced distribution theory</i>	3	5
ST4E-08	Elective-4 - <i>Statistical Computing-3</i>	3	3
ST4CD	Dissertation/Project	3	2
ST4CV	Viva-Voce	2	2