

ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref. No:KGTM/GEOG/20/21-22

Date: 24/12/2021

To,

Dr. John Breakmas Tirkey

IQAC Coordinator

Kalipada Ghosh Tarai Mahavidyalaya

Bagdogra-734014

Sub: Prayer to start Add-On Course on "DATA ANALYSIS USING SPSS"

Respected Sir,

I would like to inform you that the Department of Geography, KGT Mahavidyalaya would like to start an Add-On Course on DATA ANALYSIS USING SPSS from 01.04.2022 to 17.04.2022 for the students of our college and would help them with comprehensive knowledge indata analysis using SPSS.

Looking forward to your kind consideration for the said course.

Thanking you

Sincerely yours,

Dr. Ranjita Roy Sarkar &Ms Susmita Mandal

Add-on Course Coordinators Assistant Professor&SACT-II

Department of Geography

KGT Mahavidyalaya



ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014 E-mail: prinkgtm@gmail.com

DEPARTMENT OF GEOGRAPHY

Ref. No:KGTM/GEOG/24/21-22

Date: 08/03/2022

NOTICE

It is hereby informed to all the students of Kalipada Ghosh Tarai Mahavidyalaya that an Add-on Course on "DATA ANALYSIS USING SPSS." will be conducted by the Department of Geography from 01.04.2022 to 17.04.2022 from 8:00 AM to 10:00 AM.

All interested students are advised to participate in the said add-on course.

Chakraborly Principal,KGTM

PRINCIPAL Kalipada Ghosh Terai

Mahavidyalaya Bagdogra

Course Coordinators

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ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture 28/2021-22

Date: 29/03/2022

To

MsBarnali Biswas

Senior Research Scholar, Dept of Geography & Applied Geography

NBU

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Madam,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Data Management in SPSSfor the students on 3rd April, 2022 from 8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL Kalipada Ghosh Teral,

Mahavidyalaya

Bagdogra /

Course Coordinators

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ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/29/2021-22

Date: 29/03/2022

To, Chinmoy Sarkar Assistant Professor Department of Sociology KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on 'Data Management in SPSS'

Dear Sir,

I would like to inform you that an Add-on course on 'Data Management in SPSS' will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lecture on Exploratory Data Analysis for the students on 4thApril, 2022 from 8am to 10am.

Looking forward to your positive consent.

Plakrabo Principal, KGTM

PRINCIPAL Kalipada Ghosh Ters Mahavidyalaya, Baedogra /

Course Coordinators



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PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/30./2021-22

Date: 29/03/2022

To. MrsDeboshree Shil SACT -11, Dept of Sociology KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "Exploratory Data Analysis"

Dear Madam,

I would like to inform you that an Add-on course on "Exploratory Data Analysis" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Parametric and Non-parametric Testfor the students on 5th April, 2022 from 8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PAUNCIPAL Kalipada Ghosh Teral Mahavidyalaya Bandogra

Course Coordinators



ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/31/2021-22

Date:29/04/2022

To Dr.Himika Mukhopadhyay Assistant Professor Dept of Geography KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Madam,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Exploratory Factor Analysis for the students on 7th April, 2022 from 8am to 10am and another 01 lecture on Testing of Hypothesis: Part III for the students on 13th April, 2022 from 9am to 10am.

Looking forward to your positive consent.

Chakrabo Principal, KGTM

PRINCIPAL Kalipada Ghosh Teral Mahavidyalaya Bagdogra

Course Coordinator



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PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/31/2021-22

Date: 29/03/2022

To. Dr. John Breakmas Tirkey Associate Professor Department of Sociology KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Sir,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Introducing to Data Analysis: Fundamentalsfor the students on 1stApril,2022 from 8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL Kalipada Ghosh Teral Mahavidyalaya Baedogra /

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E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/32/2021-22

Date: 29/03/2022

To. MrsMouBasu SACT -1, Dept of Sociology KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Madam.

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Introduction of main features of SPSSfor the students on 2ndApril,2022 from 8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL Kalipada Ghosh Terai Mahavidyalaya , Bagdogra

Course Coordinators

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E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/33/2021-22

Date:29/03/2022

To Dr.Ranjita Roy Sarkar Assistant Professor Dept of Geography KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

DearMadam,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Structural Equation Modelingfor the students on 9th April, 2022 from 8am to 10am and another 02 lectures on Testing of Hypothesis: Part Ifor the students on 11th April, 2022 from8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL

Kalipada Ghosh Terai Mahavidyalaya

■ Bagdogra

Course Coordinators



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PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/34./2021-22

Date: 29/03/2022

To. Dr.SnehasishSaha Associate Professor Dept of Geography & Applied Geography NBU

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Sir.

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Logistic Regression: Part Ifor the students on 14thApril,2022 from 8am to 10am.

Looking forward to your positive consent.

Kalipada Ghosh Terai Mahavidyalaya

PRINCIPAL

ADD-ON COURSE COORDINATIOR, KGTM

Course Coordinators



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PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/35/2021-22

Date: 29/04/2022

To Dr.Suvendu Roy Assistant Professor Dept of Geography KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Sir,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Cluster Analysis for the students on 8th April, 2022 from 8am to 10am and another 02 lectures on Exploratory Factor Analysis for the students on 16th April, 2022 from 8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL

Kalipada Ghosh Terai

Mahavidyalaya Baadogra Course Coordinators



ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014 E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/36/2021-22

Date: 29/03/2022

To MsSurovi Lahiri Assistant Professor Department of Sociology Ghoshpukur college Ghoshpukur

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Madam,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 02 lectures on Correlation and Regression Analysis for the students on 6th April,2022 from 8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL

Kelipada Ghosh Terat

Mahavidyalaya

Bagdogra

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E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/37/2021-22

Date:29/03/2022

To Mrs Susmita Mondal SACT-II Dept of Geography KGT Mahavidyalaya Bagodgra-734014

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

DearMadam,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 01 lecture on Graphical Visualization for the students on 10thApril,2022 from 9am to 10am and another 02 lectures on Testing of Hypothesis: Part II for the students on 12thApril, 2022 from8am to 10am.

Looking forward to your positive consent.

Principal, KGTM

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Kalipada Ghosh Terai
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E-mail: prinkgtm@gmail.com

Ref No.:KGTM/GEOG/Lecture/38/2021-22

Date:29/03/2022

To Mst.Tania Parveen Senior Research Scholar Dept of Geography & Applied Geography NBU

Sub: To deliver lectures in an Add-on course on "DATA ANALYSIS USING SPSS"

Dear Madam,

I would like to inform you that an Add-on course on "DATA ANALYSIS USING SPSS" will be conducted from 1.4.2022 to 17.04.2022 in the Department of Geography. You are requested to deliver 01 lecture on Design of Experiments for the students on 15thApril, 2022 from 9am to 10am.

Looking forward to your positive consent.

Principal, KGTM

PRINCIPAL Kalipada Ghosh Terai Mahavidyalaya Bagdogra

Course Coordinators



(0353) 2004707 (Principal)

KALIPADA GHOSHTARAIMAHAVIDYALAYA

ESTD: 1988

DEPARTMENT OF GEOGRAPHY

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref. No. :KGTM/GEOG/25/21-22

Date: 08/03/2022

DEPARTMENT OF GEOGRAPHY, K.G.T.M, BAGDOGRA

SESSION: 2021-2022

Programme Schedule for Add on Course on DATA ANALYSIS USING SPSSin April 2022

DAY	DATE	TIME	TOPIC	RESOURCE PERSON
1	1/4/22	8am-10am	Introducing to Data Analysis: Fundamentals	Dr. John Breakmas Tirkey, Associate Professor, Dept of Sociology, KGTM
2	2/4/22	8am-10am	Introduction of main features of SPSS	MouBasu, SACT -1, Dept of Sociology, KGTM
3	3/4/22	8am-10am	Data Management in SPSS	Barnali Biswas, Research Scholar, Dept of Geography & Applied Geography,NBU
4	4/4/22	8am-10am	Exploratory Data Analysis	Chinmoy Sarkar: Assistant Professor, Dept of Sociology, KGTM
5	5/4/22	8am-10am	Parametric and Non-parametric Test	Deboshree Sill, SACT- II, Dept of Sociology, KGTM
6	6/4/22	8am-10am	Correlation and Regression Analysis	Surovi Lahiri, Assistant Professor, Dept of Sociology, Ghoshpukur college
7	7/4/22	8am-10am	Exploratory Factor Analysis	Dr.Himika Mukhopadhyay, Assistant Professor, Dept of Geography, KGTM
8	8/4/22	8am-10am	Cluster Analysis	Dr. Suvendu Roy, Assistant Professor, Dept of Geography, KGTM
9	9/4/22	8am-10am	Structural Equation Modeling	Dr.Ranjita Roy Sarkar, Assistant Professor, Dept of Geography, KGTM
10	10/4/22	9am-10am	Graphical Visualization	Mrs Susmita Mondal, SACT-II, Dept of Geography, KGTM
11	11/4/22	8am-10am	Testing of Hypothesis: Part I	Dr.Ranjita Roy Sarkar, Assistant Professor, Dept of Geography, KGTM

PRINCIPAL Kalipada Ghosh Terai Mahavidyalaya Bagdogra

Course Coordinators

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(0353) 2004707 (Principal)

KALIPADA GHOSHTARAIMAHAVIDYALAYA

ESTD: 1988

DEPARTMENT OF GEOGRAPHY

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

D	Date	Time	Topic	Resource person
Day 12	Date 12/4/22	8am-10am	Testing of Hypothesis: Part II	Mrs Susmita Mondal, SACT- II, Dept of Geography, KGTM
13	13/4/22	9am-10am	Testing of Hypothesis: Part III	Dr. Himika Mukhopadhyay, Assistant Professor, Dept of Geography, KGTM
14	14/4/22	8am-10am	Logistic Regression: Part I	Dr. Snehasish Saha, Associate Professor, Dept of Geography & Applied Geography, NBU
15	15/4/22	9am-10am	Design of Experiments	Mst.Tania Parveen, Senior Research Scholar, Dept of Geography & Applied Geography,NBU
16	16/4/22	8 am-10 noon	Exploratory Factor Analysis	Dr. Suvendu Roy, Assistant Professor, Dept of Geography,KGTM
17	17/4/22	9am-10am	Examination, Feedback and Awarding Certificate	All Faculties, Dept of Geography, KGTM

Principal, KGTM

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Kalipada Ghosh Terai
Mahavidyalaya
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Course Coordinators

DEPARTMENT OF GEOGRAPHY, K.G.T.M, BAGDOGRA

SESSION: 2021-2022

Add on Course

on

DATA ANALYSIS USING SPSS

Course Structure

Module 1	Introducing to Data Analysis: Fundamentals	2 hours
Module 2	Introduction of main features of SPSS	2 hours
Module 3	Data Management in SPSS	2 hours
Module 4	Exploratory Data Analysis	2 hours
Module 5	Parametric and Non-parametric Test	2 hours
Module 6	Correlation and Regression Analysis	2 hours
Module 7	Exploratory Factor Analysis	2 hours
Module 8	Cluster Analysis	2 hours
Module 9	Structural Equation Modeling	2 hours
Module 10	Graphical Visualization	1 hours
Module 11	Testing of Hypothesis: Part I	2 hours
Module 12	Testing of Hypothesis: Part II	2 hours
Module 13	Testing of Hypothesis: Part III	2 hours
Aodule 14	Logistic Regression: Part I	2 hours
Iodule 15	Design of Experiments	1 hours
fodule 16	Exploratory Factor Analysis	2 hours

PRINCIPAL Kalipada Ghosh Terai

Mahavidyalaya Bagdogra Kenjika Ky Jah.

Introduction to the course

SPSS (Statistical Package for the Social Sciences) is a software program used by researchers in various disciplines for quantitative analysis of complex data. Participants of this programme will learn about the different techniques of data collection and cleansing, data management and visualization, and will also receive training needed to apply these tools to humanistic questions.

In this course, the participants will be trained as per the following themes:

- · Data Analysis: Fundamentals
- · Introduction of main features of SPSS
- · Data Management in SPSS
- Diagrammatic Representation with SPSS
- · Parametric and non parametric tests
- · Correlation and Regression Analysis
- ANOVA

The lectures are self-paced in nature and will be uploaded every weekend. The rest of the days are dedicated to complete the assignment and task given to you all by the resource person(s). We also have a dedicated discussion forum for this course, which can be used amongst the participants to discuss, engage, and share their learning and ideas.

On this note, we welcome you all once again and we hope that this course will facilitate you in honing your research skills.

Objectives

This certificate course/ executive development programme has been curated for the participants who want to polish their skills in analysis data from different standpoints. There are several data analytics tools, and choosing the right one may be challenging for new users. SPSS, which stands for Statistical Package for Social Sciences, is a beginner-friendly and user-friendly computer application for entering, analysing and visualising categorical and numerical data. It helps filter and model data into useful information.

Course outcome

PRINCIPAL Kalipada Ghosh Terai

Mahavidyalaya Bagdogra Submilta Manda

COORDINATIOR, KGTM

Students will learn about population and sample, types of variables, scales of measurement, shapes of data, and the selection of sample sizes. In addition, students will be introduced to SPSS software and learn how to make data entries and to distinguish between the data view, variable view, and fields in it. Students will also know how to scrutinise the features of a dataset via summary statistics. Students will also know to examine measures of tendency, measures of location, measures of dispersion and more.

Evaluation

The registered students will be evaluated through Assignment (20 Marks). At the end of the course an examination (MCQ) of one hour duration which will carry 30 marks.

Feedback: All the registered students will require to give feedback on the course, each relevant and experience. It will be evaluated through structured feedback form.

Awarding certificate: Registration for Add-On course is not mandatory. All courses are offered without any additional fee. After successful completion of the course all the qualified students will be provided with certificates.

 Classes for an Add-On Course are conducted during the Reserved Time Slot in week days or beyond the regular class hours.

II. Students of any stream will be permitted to register in the Add-On Course Grading:

The Grades will be awarded to the students depending on the percentage of marks obtained by a candidate in a course as below.

Grade	Percentage of Marks
A+	90& Above
A	80 - 90
B+	70 - 79
C	50-69

Course Duration: 30 Hours

Eligibility: This course is open to college students from all three disciplines- BA/B.Com & B.Sc.

Date & Time: It will be organised from 1,04.2022 to 17.04.2022 from 8:00 AM to 10:00 AM Faculty: Faculty from the Department of Geography, Professionals and Domain Experts will be teaching this course to the students.

No of Seats: 130

Course code: SPSS

Resource Persons:

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ADD-ON COURSE COORDINATIOR, KGTM

Kalipada Ghosh Terri Mahavidyalaya

- 1. Dr. John Breakmas Tirkey, Associate Professor, Dept of Sociology, KGTM
- Dr. Snehasish Saha, Associate Professor, Dept of Geography & Applied Geography, NBU
- Mst.Tania Parveen, Senior Research Scholar, Dept of Geography & Applied Geography, NBU
- 4. Barnali Biswas, Research Scholar, Dept of Geography & Applied Geography, NBU

Mou Basu, SACT -1, Dept of Sociology, KGTM

- 6. Chinmoy Sarkar: Assistant Professor, Dept of Sociology, KGTM
- 7. Deboshree Sill, SACT- II. Dept of Sociology, KGTM
- 8. Dr.Ranjita Roy Sarkar, Assistant Professor, Dept of Geography, KGTM
- 9. Surovi Lahiri, Assistant Professor, Dept of Sociology, Ghoshpukur college
- 10. Dr. Himika Mukhopadhyay, Assistant Professor, Dept of Geography, KGTM
- 11. Mrs Susmita Mondal, SACT-II, Dept of Geography, KGTM
- 12. Dr. Suvendu Roy, Assistant Professor, Dept of Geography, KGTM

Course co-ordinators:

Chairperson: Dr Minakshi Chakrabarty, Principal, KGTM

Contact no: 9064283511

Email: prinkgtm@gmail.com

2. Coordinator: Dr.Ranjita Roy Sarkar, Assistant Professor, Head, Dept of Geography,

KGTM

Contact no: 9474876446

Email: ranjitaroysarkargeo@gmail.com

3. Coordinator: Ms Susmita Mondal, SACT-II, Dept of Geography, KGTM

Contact no: 8509355499

Email : smondalkgtm@gmail.com

4. Co-Coordinator: Dr. Himika Mukhopadhyay, Assistant Professor, Dept of Geography,

KGTM

Contact no: 9832570752

Email: mukherjee.himika@gmail.com

Principal, KGTM

PRINCIPAL
Kalipada Ghosh Terai
Mahavidyalaya
Bandogra

Course Coordinators

FINAL EXAMINATION DATA ANALYSIS USING SPSS

TIME-I HOUR

FM-30

- Answer all MCQ questions (1*30=30)
- Which of the following is not the part of the exploratory factor analysis process?
- Extracting factors
- Determining the number of factors before the analysis
- Rotating the factors
- Refining and interpreting the factors
- 2. Which of the following statements is true?
- The correlation matrix will have 1s in the diagonals in PCA and less than 1s in
- The correlation matrix will have 1s in the diagonals both in PCA and EFA
- The correlation matrix will have less than 1s in the diagonals both in PCA and EFA.
- The correlation matrix will have 1s in the diagonals in EFA and less than 1 in PCA unanswered
- Which of the following criteria cannot be used to determine the number of factors in an EFA?
- Asking a group of researchers before the analysis
- C Eigenvalue rule
- C Scree test
- Parallel analysis

unanswered

- 4. Which of the following is not an oblique rotation technique?
- Promax
- Oblimax
- Varimax
- Quartimin

unanswered

- 5. What will a factor loading in an orthogonal solution represent?
- Correlation
- Partial correlation
- Multiple correlation
- Eigenvalue

unanswered

6. If the mean and median of a distribution are almost same, then the distribution is symmetrical.

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COORDINATIOR, KGTM

C	TRUE
r	FALSE
u	nanswered to a data
	Calculation of a mean is affected by extreme values of data.
	YES
	NO
u	nanswered . Lower quartile have% observation below it and% observation above it.
Č	30,70
	25,75
	50, 50
	75, 25
	nanswered
	. Your gender Male/female is
•	Nonmetric
(Metric
(Quantitative
(Continuous
100	nanswered
	0. Your height is
	Metric
	Nonnead
	Qualitative
	Discrete Inanswered
-	In hypothesis testing, we assume that some population parameter takes on a
F	articular value before we sample. This assumption to be tested is called an
8	Iternative hypothesis.
	TRUE
	FALSE
	nanswered 2. For a two-tailed test of hypotheses at alpha = 0.10, the acceptance region is the
	ntire region:
	To the right of the negative critical value.
	Between the two critical values.
	Outside of the two critical values.
	To the left of the positive critical value.
	nanswered
1	3. The assumption about a population parameter that we wish to test is the
	ypothesis. The conclusion we accept when the data fail to support this assumption
1	s the hypothesis.
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14.	f parent population is not following Normal Distribution	
	있다. 1980년 1일 1980년 1일 1981년 1 1981년 1981년 1일 1981년	
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15	Prob. Value (p-value) of one tail test is	2 6
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5	ATTOL TURNSON TO 100	o grapismos
ur 16	answered is a state of very high intercorrelations among independent vari	ables.
	Hypercollinearity	
C	Partial collinearity	
C	Multicollinearity	
u	answered	
1	. In multiple regression, if the dependent variable will be different for different	ent
	the mean value of the dependent variable	
ć	The means of the independent variables are not equal	
	There is an association between the independent variables	
(One or more population regression coefficients must be significant	(non-zero)
u		
1	B is a statistical technique that simultaneously develops a man	il-scaled
		561:6805-690
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	the proportion of variation in one variable that is explained by the	other. La of In
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	Mahavidyalaya Bagdogra	ORDINATIOR, KGTM
	C Bunard 14. I test of the contract of the con	Alternative. Both Null and Alternative. unanswered 14. If parent population is not following Normal Distribution, we should use test of hypothesis: Parametric Tests Non-Parametric Tests Z-Test T-Test T-Test T-Test Unanswered 15. Prob. Value (p-value) of one tail test is of that (p-value) of the tail test: Half Double Equal No relation unanswered 16 is a state of very high intercorrelations among independent variable. Hypercollinearity Nulticollinearity Variable collinearity unanswered 17. In multiple regression, if the overall null hypothesis is rejected, The mean value of the dependent variable will be different for different categories of the independent variables One or more population regression coefficients must be significant unanswered 18 is a statistical technique that simultaneously develops a materelationship between two or more independent variables and an interval dependent variable. Chi-square The least-squares procedure Multiple regression Bivariate regression unanswered 19. R-square measures the proportion of variation in one variable that is explained by the Malavivigalaya Kalipada Ghosh Terat Kalipada Ghosh Terat

the proportion of error variation. the proportion of variation in Y related to the variation of the categories of X. the proportion of variation in Y due to the variation within each of the categories of X. unanswered 20. A residual is the difference between the observed value of Yi and the value predicted by the regression equation, Ŷi. TRUE FALSE unanswered 21. For clustering, we do not require-C Labeled data C Unlabeled data Numerical data Categorical data 22. Which version of the clustering algorithm is most sensitive to outliers? C K-means clustering algorithm K-modes clustering algorithm K-medians clustering algorithm C None unanswered 23. The goal of clustering is to-Divide the data points into groups Classify the data point into different classes Predict the output values of input data points All of the above unanswered 24. Which software available for estimating Structural Model SPSS AMOS Eviews Excel unanswered 25. The other name of structural model is Measurement model

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Independent t-test

Path model

unanswered

Confirmatory factor analysis

26. Confirmatory factor analysis also known as

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- Cluster analysis
- Measurement model
- Conjoint analysis
- SERVOUAL model

unanswered

- 27. In hypothesis testing, we assume that some population parameter takes on a particular value before we sample. This assumption to be tested is called an alternative hypothesis.
- TRUE
- FALSE

unanswered

- 28. For a two-tailed test of hypotheses at alpha = 0.10, the acceptance region is the entire region:
- To the right of the negative critical value.
- Between the two critical values.
- Outside of the two critical values.
- To the left of the positive critical value.

unanswered

- 29. The assumption about a population parameter that we wish to test is the ___ hypothesis. The conclusion we accept when the data fail to support this assumption is the hypothesis.
- Null.
- Alternative.
- Both Null and Alternative.

unanswered

- 30. If parent population is not following Normal Distribution, we should use following test of hypothesis:
- Parametric Tests
- Non-Parametric Tests
- Z-Test
- C T-Test

unanswered

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ADD-ON COURSE ON DATA ANALYSIS USING SPSS

ASSIGNMENT

FM-10

Time-2hrs

1. Obtain Karl Pearson correlation coefficient for the data given below .

x	65	63	67	64	68	62	70	66	60	67	69	71
Y	68	66	68	65	69	66	68	65	71	67	68	70

2. Obtain both the regression lines for the following data.

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Kalipada havidyalaya
Mahavidyalaya

Surmita Mande

ADD-ON COURSE ON DATA ANALYSIS USING SPSS

ASSIGNMENT

Time- 2 hours

FM-10

- 1. Case: Ventura Sales Reporting:
- * A sales promotion program was also launched in the beginning of the 4th quarter. Examine whether the Sales Promotion Program was a success.
- Examine whether there exits significant difference in average sales (for Q2, Q3 & Q4) with respect to 'Type of outlets (Urban/Rural)'
- * Examine whether there exits significant difference in average sales (for Q2, Q3 & Q4) with respect to 'Location of outlets (Northern/Eastern/Western/Southern)
 - * Develop a sales report based on earlier analysis.
 - 2. Case: Mutual Funds:
 - * Examine whether there exists a significant difference among the position of executives in the company (Executives/ Line Managers/ Functional Heads) with respect to executives' willingness to purchase Company X's Mutual Funds
 - 3. Case: Rebranding of Police Department

* Perform Regression Analysis to establish associative dependence relationship between 'Liking for the Rebranded (Y)' and 'four perceptual variables (Departmental Identity, Improved Visuals, Emotional Connect & Image Transformation) and prepare a Business Report on that.

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Surmila U



Certificate

THE FOLLOWING AWARD IS GIVEN TO

Krisanu Shil

Swemita Mandal.

For the completion of Add-On Course on DATA ANALYSIS USING SPSS' organised by the Department of Geography from 0 1/04/2022 to 17/04/2022. He/She was placed in Grade A.

Dr.Ranjita Roy Sarkar & Ms Susmita Mandal

Course Coordinators

ADD-ON COURSE COORDINATIOR, KGTM Dr.Minakshi Chakraborty

PRINCIPIAL

Kalipada Ghosh Teras Mahavidyalaya

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Certificate

THE FOLLOWING AWARD IS GIVEN TO

SURAJIT GHOSH

For the completion of Add-On Course on DATA ANALYSIS USING SPSS' organised by the Department of Geography from 0 1/04/2022 to 17/04/2022. He/She was placed in Grade A.

Dr. Ranjita Roy Sarkar & Ms Susmita Mandal

Course Coordinators

ADD-ON COURSE COORDINATIOR, KGTM Dr.Minakshi Chakraborty

PRINCIPAL Kalipada Ghosh Terai Mehavidyahaya

Bagdogra ,



ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref: KGTM/GEOG/42/21-22

Date:20/04/2022

DEPARTMENT OF GEOGRAPHY

Report on Add- On Course on "DATA ANALYSIS USING SPSS "

Department of Geography successfully concluded an Add-On course on DATA ANALYSIS USING SPSS from 1st April, 2022 to 17st April, 2022 from 8am to 10am in Room no 16. Dr. Ranjita Roy Sarkar apprised the students about the objectives, course structure, schedule, resource person, multiple choice question test, attendance, feedback system, certificate and the course outcome. In total 130 students enrolled in the course while 126 students completed the course. All the resource person delivered their lecture as per the schedule. Dr. Minakshi Chakraborty, Principal, Dr John Breakmas Tirkey, IQAC Coordinator and HOD Geography addressed the students during the valedictory session of the add-on course on 17st April, 2022. Students also share their feedback during the session.

Few snapshots of Add-on course



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Course Coordinators

Dept of Geography

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ESTD: 1988

PO: BAGDOGRA, DIST: DARJEELING, PIN 734014

E-mail: prinkgtm@gmail.com

Ref. No:KGTM/GEOG/19/21-22

Date: 24/12/2021

To,

The Principal

Kalipada Ghosh Tarai Mahavidyalaya

Bagdogra-734014

Sub: Prayer to start Add-On Course on "DATA ANALYSIS USING SPSS"

Respected Madam,

With due respect, I would like to inform you that the Department of Geography, KGT Mahavidyalaya would like to start an Add-On Course on "DATA ANALYSIS USING SPSS" from 01.04,2022 to 17.04.2022 for the students of our college and would help them with comprehensive knowledge indata analysis using SPSS.

Looking forward to your kind consideration for the said course.

Thanking you

Sincerely yours,

Dr. Ranjita Roy Sarkar &Ms Susmita Mandal

Add-on Course Coordinators

Assistant Professor&SACT-II

Department of Geography

KGT Mahavidyalaya

ADD-ON COURSE PORPINATION, KGTM



VENUE- GEOGRAPHY DEPARTMENT, KALIPADA
GHOSH TARAI MAHAVIDYALAYA

DATE- 1ST APRIL -17TH APRIL, 2022

Course coordinators:

DR RANJITA ROY SARKAR & MRS SUSMITA MANDAL