

# Add on Course Data Analysis using SPSS

About the course: Gargaon College, Sivasagar Assam, has specially designed certificate course in Data analysis using SPSS for the undergraduate students of any stream. In this course the candidates shall undergo hands on training in SPSS software. The course is of 30 hours duration.

## **Objectives:**

- 1. To expose the participants towards simple and exhaustive ways of data analysis through interactive and practice based sessions along with theoretical learning.
- 2. Provide hands –on experience of the models and statistical tools used for conducting research in different subjects.

#### **Approved letter:**



#### :: DIBRUGARH UNIVERSITY :: DIBRUGARH Date: 25.01.2022 NOTIFICATION

Under Report to the Under Graduate Board and Academic Council, Dibrugarh University, the Hon'ble Vice Chancellor, Dibrugarh University is pleased to approve the following subjects as Add-on Courses to be offered by Gargaon College, Sivasagar, Assam w.e.f. the Academic Session 2021-2022.

SI. No	Title of the Add-on Courses	Duration	Department		
1	Mushroom Cultivation	30 Hours			
2	Entrepreneurship & Small Business Management	30 Hours	Commerce		
3	Accounting for Micro and Small Business Management	30 Hours	Commerce		
4	Business Communication and Project Report	30 Hours	Commerce		
5	Human Resource Management for Business/NGOs	30 Hours	Commerce		
6	Creative Writing in English	30 Hours	English		
7	Geo-informatics	30 Hours	Geography		
8	Techniques of Teaching	30 Hours	Education		
9	Water purification	30 Hours	Geology		
10	Vermicompost	30 Hours	Zoology		
11	Data Analysis using SPSS	30 Hours	Statistics		
12	Report Writing in Social Sciences	30 Hours	Economics		
13	Green Tea Processing and Marketing	30 Hours	Economics		
14	Computational Chemistry	30 Hours	Chemistry		
15	Computer Hardware & Networking	30 Hours	IQAC		
16	Electrical Instrumentation	30 Hours	Physics		
17	Aquaculture	30 Hours	Zoology		
18	Plant Tissue Culture	30 Hours	Botany		
19	Human Rights and Contemporary Issues	30 Hours	Political Science		
20	Library and Information Science	30 Hours	Library		
21	Introduction to MATLAB	30 Hours	Mathematics		
22	Introduction to various branches of Mathematics	30 Hours	Mathematics		
23	সৃষ্টিশীল লেখন	৩০ ঘণ্টা	অসমীয়া		

Issued with due approval.

(Dr. B.C. Borah)
Joint Registrar (Academic)

Copy to:

1. The Hon'ble Vice Chancellor i/c, Dibrugarh University for favour of the Chancellor i/c, Dibrugarh University

2. The Deans, Dibrugarh University, for favour of information.

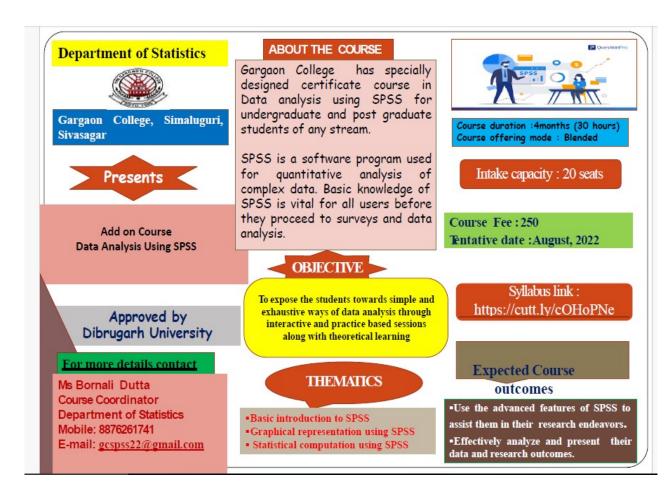
The Registrar, Dibrugarh University, for information.
 The Controller of Examinations, Dibrugarh University, for favour of information.
 The Inspector of Colleges i/c, Dibrugarh University, for information.
 The Principal, Gargaon College, Simaluguri, Sivasagar, Assam for information.
 The Joint Controller of Examinations "C", Dibrugarh University, for information.
 The Deputy Controller of Examinations "A" & "B"i/c, Dibrugarh University, for information.
 The Academic Officer, Dibrugarh University, for information and needful.
 The Programmer, Dibrugarh University for kind information and with a request to upload the Notification in the University website.

(Dr. B.C. Borah)

Joint Registrar (Academic) Dibrugarh University

Joint Registrar (Academic) Dibrugarh University Dibrugarh

#### **Brochure of the Programme:**



# **Syllabus:**

# Detailed Syllabus for the course

Total Marks: 50, Theory: 40 IA: 10 Credit: 2 Hours: 30

## CONTENT

Unit-1: <u>Basic introduction to SPSS</u>: Download and installation of SPSS, Basic introduction to SPSS Window, Creating data base in SPSS and entering data, modifying data file, import data from excel to SPSS.

Unit-2: <u>Graphical representation</u>: Frequency distribution and graphical representation of data( histograms, box plot, stem-leaf, frequency polygon, pie chart, ogives), generate automated reports giving detailed descriptive statistics, Fitting of polynomials and exponential curves, application problem based on fitting of suitable distribution, Normal probability plot,

Unit-3: <u>Computation</u>: Correlation: Pearson product moment correlation, spearman rank correlation, partial correlation, simple linear regression, multiple linear regression, one sample and two sample t test, paired sample t test, one way ANOVA, two way ANOVA, Multivariate ANOVA, Analysis of covariance, independent chi-square test.

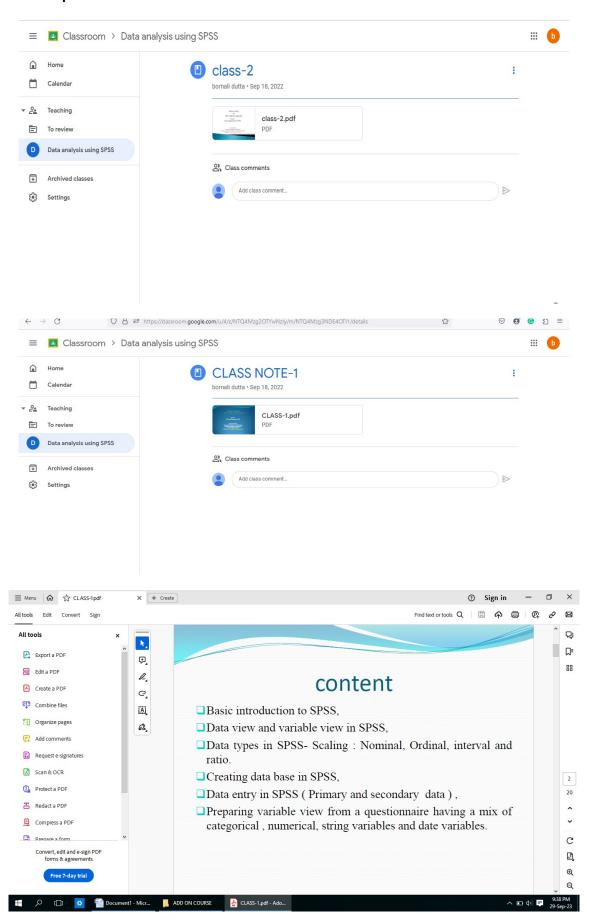
## Recommended books:

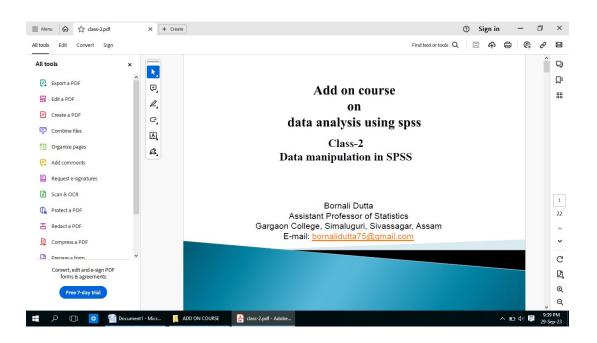
- 1. Data analysis using SPSS: Lokesh Jasari, SAGE publication.
- 2. Discovering Statistics using IBM SPSS Statistics : Andy Field , SAGE publication.

# **Student List:**

Name of the students	Department					
ANINDITA BORUAH	ECONOMICS					
BARBIE BORGOHAIN	ECONOMICS					
RANI BORA	ECONOMICS					
LISBON DUTTA	ECONOMICS					
PRIYAM BORUAH	ECONOMICS					
ANKITA GOGOI	ECONOMICS					
MRIGANKA MOHAN BORAH	ECONOMICS					
SAHID ALI AHMED	ECONOMICS					
TANAYA PHUKAN	ECONOMICS					
HIRONJYOTI SAIKIA	ECONOMICS					
ARUP PHUKAN	ECONOMICS					
NIRBAN NIBIR GOGOI	ECONOMICS					
DIKSHITA GOGOI	ECONOMICS					
BIDISHA GOGOI	ECONOMICS					
PRANJIT GOGOI	EDUCATION					
MOUSOM GOGOI	EDUCATION					
PRIYADARSHINI GOGOI	EDUCATION					
ADHIRAJ BORGOHAIN	EDUCATION					
TWINKLE CHETIA	GEOGRAPHY					
SIMPY KAYASTHA	GEOGRAPHY					
GAYATRI BORAH	GEOGRAPHY					
KABYASHREE GOGOI	GEOGRAPHY					
MONJIT SHEEL	GEOGRAPHY					
HIMANSHU GOGOI	GEOGRAPHY					
HIMADRI MOHAN	MATHEMATICS					
RITUPORNA CHETIA	MATHEMATICS					
BIDYUT GOGOI	MATHEMATICS					
IRFAN ROHMAN	MATHEMATICS					
PROTOYJIT DEVSHARMA	MATHEMATICS					
BISHWA BURAGOHAIN	MATHEMATICS					
RUPAM HANDIQUE	MATHEMATICS					
SAMIR AHMED	MATHEMATICS					
RAJA GHATUWAR	MATHEMATICS					
PRANJIT GOGOI	MATHEMATICS					
AMAN SENSUA BARUAH	PHYSICS					
ANKUR PRATIM BORAH	PHYSICS					
ANKITA BORAH	PHYSICS					
PORAG JYOTI BORAH	PHYSICS					
BHARGAV JYOTI BORGOHAIN	PHYSICS					
HIMADRI ARANDHARA	PHYSICS					
MOUSUM GOGOI	PHYSICS					
AMAR JYOTI CHETIA	PHYSICS					
ABHIJIT GHATOWAR	PHYSICS					

#### Study material sample:





### **Attendance list:**

Attendance list
Add on Course on Data Analysis using SPSS

Name of the Students			_	-				-		-		-	-0-	
Anindita Boruah	P	P	P	5	6	8	2	P	1	1	13	P	P	B
Barbie Borgohain	P	P	P	P	8	Υ	Y_	8	1	P	2	0	P	
Rani Bora	P	A	P	P	8	P	9	8	13	P	P	8	P	1
Lisbon Dutta	P	P	A	P	P	2	0	P	P	_A_	B	A	-6-	
Priyam Boruah	P	P	P	P	P	4	9	8	D	6	1	P	K	P
Ankita Gogoi	A	P	P	P	8	X	P	B	9.	8	P	1	P	P
Mriganka Mohan Borah	P	ρ	P	P	B		P	-8	P	P	8	1	P	4
Sahid Ali Ahmed	P	A	P	P	8		P	8	D	A	0	P	P	-
Tanaya Phukan	P	P	A	P	8	8	6	8	8	P	P	P	P	-
Hironjyoti Saikia	P	P	P	P	P	9	8	P	P	P	6	P	P	Pa
Arup Phukan	B	P	P	P	8	8	P	A	8	P	P	P	A	R
Nirban Nibir Gogoi	P	P	P	P	8	8	P	8	A	P	9	R	P	P
Dikshita Gogoi	P	P	A-	P	P	9	V	8	16	A	8	B	A	R
Bidisha Gogoi	P	P	P	P	8	M	9	A	6	P	P	P	P	Y
Pranjit Gogoi	P	P	P	P	P	B	P	8	9	A	A	P	P	B.
Mousom Gogoi	A	P	P	P	P	6	P	8	9	A	P	8	P	P
Priyadarshini Gogoi	P	P	P	P	P	P	8	R	10	P	A	P	P	P
Adhiraj Borgohain	P	P	P	P	P	P	B	8	10	17	8	A.	P	P
Twinkle Chetia	P	P	P	A	B	P	P	8	18	P	P	1	P	P
Simpy Kayastha	P	P.	P	P	A	2	6	8	P	1	P	P	P	P
Gayatri Borah	P	P	P	P	Ø.	P	P	8	8	A	P	P	P	P
Kabyashree Gogoi	P	A	P	P	A	9	P	8	P	A	8	A	P	P
Monjit Sheel	P	P	P	A	P	P	P	6	16	8	P	P	P	7
Himanshu Gogoi	A	P	P	P	P	P	P	1	8	B	P	P	P	P
Himadri Mohan	P	A	P	P	P	P	P	6	B	19	P	P	P	6
Rituporna Chetia	P	P	P	A	P	P	P	8	P	P	8	P	A	10
Bidyut Gogoi	A	P	6	P	P	P	A	8	D	Pr	A	P	P	P
Irfan Rohman	P	A	P	P	P	16	V	13	P	P	8	P	P	P
Protovjit Devsharma	P	P	P	17	P	P	P	A	A	10	A	P	·P	P
Bishwa Buragohain	P	P	P	P	P	A	P	A	10	P	7	P	P	P
	P	A	P	P	P	6,	A	0	B	P	A	A	P	P
Rupam Handique Samir Ahmed	P	P	P	D	P	A	0	B	Q	10	D	P	P	P
	A	0	0	P	P	6	À	R	B	P	A	P	P	P
Raja Ghatuwar	P	P	P	P	P	A	P	P	6	P	P	A	0	7
Pranjit Gogoi	P	A	0	A	8	P	ò	0	B	0	A	P	P	P
Aman Sensua Baruah	P	P	A	6	0	-	P	Ò	6		P	10	P	10
Ankur Pratim Borah	P	0	P	0	A	-	A	P	1	10	10	18	P	P
Ankita Borah	A	A	0	1	P	TA	6	TP	1	10	6	TP	P	TP
Porag Jyoti Borah	P	P	10	b	6	A	1	10	B	0	A	P	P	0
Shargav Jyoti Borgohain	P	-	A-	1	0	6	R	10	V	10	P	P	P	P
Iimadri Arandhara	P	P	0	0	P	A	4	1	10	P	10	A	P	Br
Mousum Gogoi	P	0	P	P	A	16,	18	R	10	6	1	P	P	1
Amar Jyoti Chetia	P	6	P	6	15	P	1 K	18	8	1	1	P	10	R
Abhijit Ghatowar	11	01					00	00	00	20	00	an	1	101
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