



ONE WEEK TRAINING COURSE ON
STATISTICAL ANALYSIS USING
MS EXCEL & SPSS

04.09.2022 – 09.04.2022

organized by

Department of Geography

Kashipur Michael Madhusudan Mahavidyalaya

under the aegis of

Internal Quality Assurance Cell

Kashipur Michael Madhusudan Mahavidyalaya

A REPORT

A One-week Training Course on “Statistical Analysis using MS Excel & SPSS” was organized by the Department of Geography, Kashipur Michael Madhusudan Mahavidyalaya in collaboration with the IQAC, Kashipur Michael Madhusudan Mahavidyalaya. The Course was conducted in the GIS Laboratory of the College.

Aim of the Course: The Course intended to develop knowledge in statistical analysis through the use of computer software, MS Excel and SPSS.

Target Audience: Most of the faculty members of our College are into different research activities that require data analysis. Moreover, the syllabus of subjects like Economics, Geography and Sociology include basic statistics. The Course, therefore, aimed to help the teachers to get accustomed to the use of the aforementioned software. Office work also requires a lot of data processing in MS Excel. The Course was, therefore, also included the willing non-teaching staff members.

A brochure (Plate 1) was circulated among the Teaching and Non-Teaching Staff members of the College regarding the Course and the tentative programme schedule. A registration link was also shared such that the members willing to participate in the Course could register.

**One Week Training Course on
Statistical Analysis using
MS Excel & SPSS**
(for TS & NTS members of KMMM only)

04 – 09 April, 2022

*Organized by
Department of Geography, KMMM*

*under the aegis of
IQAC, KMMM*

<p>Aim of the Course: Statistical analysis is a common approach in Social Science research. The Course focuses on developing knowledge in statistical analysis through the use of computer software, MS Excel and SPSS.</p> <p>Target audience: Most of the faculty members of our College are into different research activities that require data analysis. Moreover, the syllabus of subjects like Economics, Geography, and Sociology include basic statistics. The Course will, therefore, help the teachers to get accustomed to the use of the aforementioned software. Office work also requires a lot of data processing in MS Excel. Training in MS Excel can, therefore, be extended to the willing non-teaching staff members too.</p> <p><small>#No Registration fee required #Registration link: https://forms.gle/jfo35ajC6bYXvqcD9 #Last date of registration: 31st March, 2022 #Participants are requested to bring their own laptops. #Those who do not have laptops will be provided with desktops; this can be provided for a maximum of 5 participants.</small></p>	<p style="text-align: center;">Organizing Committee</p> <p>Chief Patron: Dr. Bibhas Kanti Mandal Principal, KMMM</p> <p>Patron: Dr. Suvranshu Pan IQAC Coordinator, KMMM</p> <p>Convenor: Swapan Kumar Mahato SACT, Dept. of Geography, KMMM</p> <p>Organizing Secretary: Pijush Mukhopadhyay SACT, Dept. of Geography, KMMM</p> <p>Joint Secretary: Shyamal Majee SACT, Dept. of Geography, KMMM</p> <p>Support Staff: Shaktipada Lohar Laboratory Assistant, Dept. of Geography, KMMM</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Plate 1: Brochure of the Training Course

Registration link: <https://forms.gle/jfa35qiC6bYXvqcD9>

Total No. of the registered participants: Total 20 participants from various departments, including 2 NTS members, registered for the Course (Plate 2).

	A	B	C	D	E
1	Timestamp	Name	e-mail id	Designation	Department
2	3/17/2022 10:03:56	SUSHIL SARKAR	sushilsarkar15	ASSISTANT PROFESSOR	English
3	3/17/2022 10:50:40	Krishnendu Das	daskrishnendu	Assistant Professor	English
4	3/17/2022 11:05:54	KAMALIKA BISWAS	kamaliika.bisw	SACT	MUSIC
5	3/17/2022 11:37:28	Uma Nag	umanag2015@	SACT	Economics
6	3/17/2022 12:13:14	Shyamapada Paramanik	paramaniksp@	Head Clerk	UG College (HED)
7	3/17/2022 14:23:15	Archana Karmakar	Archanakarma	SACT	Sociology
8	3/21/2022 18:50:26	Bubai Bera	bbera568@gm	Assistant Professor	Botany
9	3/24/2022 14:30:28	Nabin Das	nabinnbu01@	Assistant professor	Bengali
10	3/29/2022 14:17:01	Moutusi Saha	moutusisaha8	SACT	Bengali
11	3/30/2022 22:13:33	Swapan Kumar Mahata	swapankumari	Sact(ii)	Geography
12	3/31/2022 8:40:39	Pijush Mukhopadhyay	pijushmukhop	SACT-II	GEOGRAPHY
13	4/1/2022 23:01:58	Anusuya Banerjee	anusuyaaadra8	SACT	Botany
14	4/2/2022 8:22:12	Samrat Mal	samratmal9@	SACT	Education
15	4/2/2022 11:53:00	Debilal Mahato	debilalmahato	SACT	Sanskrit
16	4/2/2022 11:57:44	NILKANTHA BOURI	nilkanthabouri	SACT	HISTORY
17	4/2/2022 12:06:36	PRASENJIT MANDAL	prasenjit.manc	SACT	MUSIC
18	4/2/2022 13:54:56	Rabin Chandra Karmakar	rabintalajuri@	Cashier	NTS, Kashipur MMMahavidyalaya
19	4/3/2022 12:56:09	Shyamal Majee	shyamalwithyc	S.A.C.T	Geography
20	4/3/2022 14:02:59	Susanta Chand	susantachand	Assistant Professor	Geography
21	4/3/2022 19:29:07	Manila Tamang	tamangmanila	Assistant Professor	Sociology
22					

Plate 2: List of participants registered for the Course (extract from Google Form)

The Course: The Course began with the welcome address by the Convener followed by the lighting of the lamp by our hon'ble Principal, Dr. Bibhas Kanti Mandal, who then delivered the Inaugural speech (Plate 3). Dr. Suvranshu Pan, Associate Professor, Department of Economics & IQAC Coordinator, KMMM delivered the Keynote lecture titled "Importance of Statistical Analysis in Social Science Research" (Plate 4). The lecture was followed by an interactive session with the participants. The first day of the Course ended with a Vote of Thanks by the Organizing Secretary.



Plate 3: Inaugural Session



Plate 4: Lectures by Dr. S. Pan, Miss P. Roy & Miss A. Bauri and hands-on training sessions

On the second day, Miss Poushali Roy delivered a lecture on “Basics of Statistical Data” and gave hands-on training in MS Excel to the trainees that included data entry & tabulation. (Plate 4)

The following day, she gave a brief introduction to “Descriptive Statistics” and continued with the hands-on training in MS Excel that included several statistical calculations and preparation of charts. The participants were given an assignment on MS Excel. (Plate 4)

The fourth day of the Course began with Miss Asha Bauri’s lecture; she briefed about the application of SPSS in research. The lecture followed by hands-on training in SPSS to the trainees by Miss Bauri. It included data entry and preparing the frequency distribution table, and other basic calculations in SPSS. (Plate 4)

On the fifth day, Miss Bauri discussed about “Inferential Statistics” and continued with the hands-on training in SPSS that included correlation and regression analyses. (Plate 4)

The last day involved two sessions. The assignments on MS Excel that were submitted by the participants via mail to the Geography departmental id, were assessed and discussed by Miss Roy in the first hour of the last day of the Course. Miss Bauri then showed the participants a few more measures of statistical analyses, including t-test, in SPSS. (Plate 6)

The next session was graced by the IQAC Coordinator, Dr. Suvranshu Pan, the Teachers’ Council Secretary, Dines Chandra Maiti and the Bursar, Dr. Subhrajit Chatterjee. The session was chaired by our hon’ble Principal. The session began with participants’ review regarding the Course. This was followed by distribution of certificates to the participants, resource persons and the members of the Organizing Committee (Plate 7). The Valedictory Speech was delivered by the IQAC Coordinator. The session as well as the Course ended with a vote of thanks to all the stakeholders.

KASHIPUR MICHAEL MADHUSUDAN MAHAVIDYALAYA
One Week Training Course on Statistical Analysis using MS Excel & SPSS
 04 – 09 April, 2022
 Organized by
 Department of Geography, KMMM
 under the aegis of IQAC, KMMM

ATTENDANCE SHEET

Name of Participants	Signature of the Participants					
	04.04.22	05.04.22	06.04.22	07.04.22	08.04.22	09.04.22
1 Anusuya Banerjee	[Signature]	[Signature]	[Signature]	[Signature]	AB	AB
2 Archana Karmakar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3 Bubai Bera	AB	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4 Debilal Mahato	AB	[Signature]	AB	AB	[Signature]	[Signature]
5 Dr. Suvranshu Pan	[Signature]	[Signature]	AB	AB	[Signature]	[Signature]
6 Karmalika Biswas	[Signature]	AB	[Signature]	[Signature]	[Signature]	[Signature]
7 Krishnendu Das	[Signature]	AB	[Signature]	[Signature]	[Signature]	[Signature]
8 Manika Tamang	AB	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9 Moutusi Saha	[Signature]	AB	[Signature]	[Signature]	[Signature]	[Signature]
10 Nabin Das	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11 Nilkantha Bouri	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12 Pijush Mukhopadhyay	[Signature]	AB	[Signature]	[Signature]	[Signature]	[Signature]
13 Prasenjit Mandal	P.Mandal	P.Mandal	P.Mandal	P.Mandal	P.Mandal	P.Mandal
14 Rabin Chandra Karmakar	[Signature]	[Signature]	[Signature]	[Signature]	AB	[Signature]
15 Samrat Mai	[Signature]	[Signature]	AB	AB	AB	[Signature]
16 Shyamal Majee	AB	AB	AB	AB	[Signature]	[Signature]
17 Shyamapada Paramanik	[Signature]	[Signature]	AB	[Signature]	AB	[Signature]
18 Susanta Chand	AB	AB	AB	AB	[Signature]	[Signature]
19 Sushil Sarkar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20 Swapan Kumar Mahata	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
21 Uma Nag	[Signature]	AB	AB	[Signature]	[Signature]	[Signature]

Plate 5: Attendance Record

POPULATION CHARACTERISTICS OF PURULIYA DISTRICT, 2011

Sl. No.	Name of C/D Blocks	Total Population	Total Literates	Literacy Rate(%)	Male Population	Female Population	Sex Ratio
1	Jajpur	133349	65044	48.78	68977	64372	933
2	Raghunathpur-I	117760	69498	58.24	60897	56601	924
3	Nelvana	101427	57174	56.27	52210	49117	929
4	Purulia-I	151188	83688	55.35	77358	72350	942
5	Para	200021	112177	56.01	103206	97315	942
6	Raghunathpur-II	113790	65916	57.95	58368	55222	943
7	Balarampur	113790	71176	61.80	70995	66953	943
8	Bagnandi	135579	64929	47.90	69220	66059	950
9	Jhalka-I	137143	78973	57.58	70095	67048	957
10	Santnan	78515	43694	55.64	40985	38330	959
11	Purulia-II	169488	91314	53.88	86462	80026	960
12	Jhalka-II	148156	67532	45.58	75459	72763	964
13	Kashipur	200082	125107	62.43	101801	96282	965
14	Huan	143575	86067	59.95	72867	70708	970
15	Arsha	154736	70413	45.51	78398	76338	974
16	Manbazar-I	154071	85624	55.59	78039	76022	974
17	Barabazar	170564	92817	54.43	86353	84211	975
18	Panchpur	128355	74186	57.76	62716	61170	976
19	Manbazar-II	97164	54425	55.91	48043	42221	985
20	Bardhaman	94939	50810	53.52	47198	41151	986
21	Total	2763943	1601164		1411401	1382442	
22	Mean	138197	75258	54	70570	67627	959
23	Median	137547	70795	55	70545	67002	959
24	Mode	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
25	Standard Deviation	32684	20102	5	16703	16001	17
26	Coefficient variation	23.65	26.71	8.55	23.67	23.66	1.77

Literacy Rate of Purulia District-2011

Sex Ratio of Purulia District-2011

Plate 6: Assignment by one of the participants



Plate 7: Distribution of certificates to the Organizers, Resource Persons & Participants

Feedback:

A feedback link regarding the Course was shared with the participants https://docs.google.com/forms/d/e/1FAIpQLSditCWUAPZBSxQ76aoleDOi_nLsVJRXXQiD3R-dCsOkzPlnx3A/viewform?usp=sf_link. All the participants were satisfied with the organization and conduct of the Course. They suggested that such courses should be conducted in future as well on advanced techniques in Excel & SPSS; some suggested that courses on Powerpoint, AMUS and other software should also be conducted by the Department.

Respondent	Name	Designation	Department	e-mail id	How was the lecture by Dr. S. Paul?	How was the lecture by P. Kujal?	How was the lecture by A. Basu?	How was the research presentation based on training?	Did you find the Training Course relevant?	How well was the Training Course organized?	Do you think such courses should be organized by the Dept in future?	If yes, your suggestion regarding what kind of courses should be organized or which software(s) should be taught is/are?	Would you like to recommend your peers/friends about such courses in our Department / College?
1	Dr. S. Paul	Assistant Professor	Technology	drspaul@gmail.com	Not at all	Good	Good	Good	Yes	Satisfactory	Yes	Workshop on various other social science research methodologies	Yes
2	Dr. P. Kujal	Assistant Professor	Management	kujalp@rediffmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	SPSS	Yes
3	Dr. A. Basu	Assistant Professor	Management	basuajay2010@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	SPSS is relative need for helping in social science research	Yes
4	Dr. S. Paul	Assistant Professor	Management	drspaul@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	Excel, SPSS, MS word	Yes
5	Dr. P. Kujal	Assistant Professor	Management	kujalp@rediffmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	It would be great to offer courses on SPSS, R software.	Yes
6	Dr. A. Basu	Assistant Professor	Management	basuajay2010@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	More in SPSS, ppt, word	Yes
7	Dr. S. Paul	Assistant Professor	Management	drspaul@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	Microsoft technology workshop	Yes
8	Dr. P. Kujal	Assistant Professor	Management	kujalp@rediffmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	SPSS is advance level software	Yes
9	Dr. A. Basu	Assistant Professor	Management	basuajay2010@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	I suggest MS excel and SPSS too. And I suggest also power point course should be organized...	Yes
10	Dr. S. Paul	Assistant Professor	Management	drspaul@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	SPSS is advance level for the social science research	Yes
11	Dr. P. Kujal	Assistant Professor	Management	kujalp@rediffmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	MSWORD, MS EXCEL and MS power	Yes
12	Dr. A. Basu	Assistant Professor	Management	basuajay2010@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	SPSS is advance level, PPT, WORD & excel	Yes
13	Dr. S. Paul	Assistant Professor	Management	drspaul@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	Excel	Yes
14	Dr. P. Kujal	Assistant Professor	Management	kujalp@rediffmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	Yes	Yes
15	Dr. A. Basu	Assistant Professor	Management	basuajay2010@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	Yes	Yes
16	Dr. S. Paul	Assistant Professor	Management	drspaul@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	MS word, SPSS & photo shop, printing & editing	Yes
17	Dr. P. Kujal	Assistant Professor	Management	kujalp@rediffmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	We require advance level course on excel & SPSS course with hands on training	Yes
18	Dr. A. Basu	Assistant Professor	Management	basuajay2010@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	This was really helpful at present but if possible SPSS one month course organize at our college which is more helpful to our education purpose	Yes
19	Dr. S. Paul	Assistant Professor	Management	drspaul@gmail.com	Excellent	Excellent	Excellent	Excellent	Yes	Excellent	Yes	MSWORD	Yes

Plate 8: Feedback on the Training Course (extract from Google Form)



Plate 8: Group photograph

front row sitting: (from left) Kamalika Biswas, Rabin Chandra Karmakar, Swapan Kumar Mahata, Dr. Bibhas Kanti Mandal (Principal), Dr. Subhrajit Chatterjee (Bursar), Sushil Sarkar

front row standing: (from left) Dr. Suvranshu Pan (IQAC Coordinator), Debilal Mahato, Nilkantha Bouri, Archana Karmakar, Pijush Kumar Mukhopadhyay, Shaymal Majee, Asha Bauri, Moutusi Saha, Uma Nag, Poushali Roy

second row standing: Jagadananda Pati (invitee), Bubai Bera, Dines Chandra Maiti (TCS), Krishnendu Das, Samrat Mal, Susanta Chand, Nabin Das