Department of Economics
P. G. D. A. V. College

Data Analysis using R

<u>A Report</u>

The Department of Economics organised a short-term online course on **"Data Analysis using R"** (DAR/Apr2021) for the students of P. G. D. A. V. College. This certificate course was designed for beginners who knew nothing about R. We started with the basic knowledge about R and slowly built upon that. We used the RStudio, an integrated development environment (IDE) for R. This course helped participants learn R and its use in research in social sciences. Participants learned how to manage large datasets, clean and visualise data, do econometric and statistical analysis of datasets.

Duration

The certificate course was of 30 hours duration. There were 2 hours of live online sessions every day for 15 days over Google Meet. The sessions were held from 12 April 2021 to 29 April 2021. The inaugural session was addressed by Prof Ashwani Mahajan and Ms Anu Kapoor. Prof Mahajan also addressed the participants in the valedictory session. Five students shared their experiences of doing this course in the valedictory session.

Course Fee
A registration fee of Rs 500/- was taken from each participant. Seventy-seven participants registered for the course.

Resource Persons

External Resource Persons		
Names	**Affiliations**	**Hours**
Dr Ishan Anand	Assistant Professor, Jindal Global University, Sonepat.	2
Mr Rajib Prasad	Vidyasagar College, University of Calcutta	2
Dr Avanindra Thakur	Assistant Professor, Jindal Global University, Sonepat.	4
Dr Subhanil Chowdhury	Institute of Development Studies, Kolkata.	4
Mr Suryapratim Sarkar	Head of Data Science at Zomato.	1
Internal Resource Persons		
Dr Indranil Chowdhury	Assistant Professor, P. G. D. A. V. College	6

Mr Akshay Garg	Assistant Professor, P. G. D. A. V. College	2
Ms Neetu Jain	Assistant Professor, P. G. D. A. V. College	4
Ms Rimpy Kaushal	Assistant Professor, P. G. D. A. V. College	4

Sessions

Day	Date	Name of the Resource Persons 4:00 PM	5:00 PM	Session taken	Hours	Total Hours
1	4/12/2021 Mon	Inauguration	Dr Ishan	Ishan	2	2
2	4/13/2021 Tue	Dr Indranil Chowdhury		Indranil	2	4
	4/14/2021 Wed	Holiday				
3	4/15/2021 Thu	Dr Indranil Chowdhury		Indranil	2	2
4	4/16/2021 Fri	Dr Indranil Chowdhury		Indranil	2	4
5	4/17/2021 Sat	Mr Rajib Prasad		Rajib	2	6
6	4/18/2021 Sun	Mr Akshay Garg		Akshay	2	8
7	4/19/2021 Mon	Dr Avanindra Thakur		Avanindra	2	14
8	4/20/2021 Tue	Dr Avanindra Thakur		Avanindra	2	16
9	4/21/2021 Wed	Ms Neetu Jain		Neetu	2	18
10	4/22/2021 Thu	Ms Neetu Jain		Neetu	2	20
11	4/23/2021 Fri	Ms Rimpy Kaushal		Rimpy	2	22
12	4/24/2021 Sat	Dr Subhanil Chowdhury		Subhanil	2	24
	4/25/2021 Sun	Practice day				
13	4/26/2021 Mon	Ms Rimpy Kaushal		Rimpy	2	26
14	4/27/2021 Tue	Dr Subhanil Chowdhury		Subhanil	2	28
	4/28/2021 Wed	Practice day				
15	4/29/2021 Thu	Mr Suryapratim Sarkar		Suryapratim	Valedictory Session	30

Names of the successful participants

The course's assessment was based on attendance, five short quizzes, one long quiz, and a project assignment. Based on these criteria, seventy-one students successfully completed the course. The following are the names of the recipients of the certificates, along with their unique course ids.

Sr. No.	Name	College Roll Number	Unique ID
1	Mansi Pathak	14665	DAR/Apr2021/1
2	Anika Chauhan	14410	DAR/Apr2021/2
3	Priya Yadav	14419	DAR/Apr2021/3
4	Nitin Gupta	14676	DAR/Apr2021/4
5	Dhairya Daga	14414	DAR/Apr2021/5
6	Vinamra Maheshwari	12413	DAR/Apr2021/6
7	Aditi Saini	14442	DAR/Apr2021/7
8	Sanchit Gahlaut	5624	DAR/Apr2021/8
9	Harshdeep Sachan	12252	DAR/Apr2021/9
10	Himanshu yadav	14411	DAR/Apr2021/10
11	Sachin Jangir	18053503200	DAR/Apr2021/11
12	Nitesh Kumar Rajak	12470	DAR/Apr2021/12
13	Priyasha Singh	1320	DAR/Apr2021/13
14	Anushka Jain	3402	DAR/Apr2021/14
15	Ayush Bhatt	5609	DAR/Apr2021/15
16	Diksha kathuria	1214	DAR/Apr2021/16
17	Kamini	1249	DAR/Apr2021/17
18	Sanchit Garg	5629	DAR/Apr2021/18
19	Aayushi Jain	8598	DAR/Apr2021/19
20	Mehak Gandhi	6708	DAR/Apr2021/20
21	Namit kumar	5699	DAR/Apr2021/21
22	Somya Harnakiya	6714	DAR/Apr2021/23
23	Rahul Raj	3434	DAR/Apr2021/24
24	Medha Sharma	6753	DAR/Apr2021/25
25	Priya jain	3416	DAR/Apr2021/26
26	Preksha Bhatia	1706	DAR/Apr2021/27
27	Chetna Nivas	8568	DAR/Apr2021/28
28	Gouri Nagpal	1401	DAR/Apr2021/29
29	Pulkit Dhigan	6716	DAR/Apr2021/30
30	Manisha	6719	DAR/Apr2021/31
31	Vanshika Verma	12773	DAR/Apr2021/33
32	RITISHA GARG	1748	DAR/Apr2021/34
33	Shaurya Dev	13715	DAR/Apr2021/35
34	Ashiti Bhardwaj	1716	DAR/Apr2021/36

35	Ritu Chauhan	1390	DAR/Apr2021/37
36	Mehak Vohra	1719	DAR/Apr2021/38
37	Aditya Garg	1739	DAR/Apr2021/39
38	ASHISH RANJAN	1731	DAR/Apr2021/40
39	Piyush Raj	1734	DAR/Apr2021/41
40	Neha	9089	DAR/Apr2021/42
41	Saumya Jain	1317	DAR/Apr2021/43
42	Akshat Sukhija	3694	DAR/Apr2021/44
43	Mansi verma	12760	DAR/Apr2021/45
44	Yash Verm	8571	DAR/Apr2021/46
45	Aman Raj	5594	DAR/Apr2021/47
46	Amit Mishra	1415	DAR/Apr2021/48
47	Madhav arora	5604	DAR/Apr2021/49
48	Amisha	6735	DAR/Apr2021/50
49	Kumkum Yadav	5595	DAR/Apr2021/51
50	Goyanka aggarwal	6704	DAR/Apr2021/52
51	Vanshika Yadav	12774	DAR/Apr2021/53
52	Mohd Tahoor	1747	DAR/Apr2021/54
53	VAIBHAV CHAUHAN	1326	DAR/Apr2021/55
54	Simran	5793	DAR/Apr2021/56
55	Mahi Pal	5509	DAR/Apr2021/57
56	Shobha sisodiya	12732	DAR/Apr2021/58
57	Sumit Gupta	1349	DAR/Apr2021/60
58	Anubhav Saxena	1268	DAR/Apr2021/61
59	Yash Garg	18053568034	DAR/Apr2021/62
60	MAITREYE SAMANTA	6711	DAR/Apr2021/64
61	Mohammad Akhtar Ali	5529	DAR/Apr2021/65
62	ISHANI NAG	6742	DAR/Apr2021/66
63	SIMRAN KALSHYAN	5673	DAR/Apr2021/69
64	Dikshant Sharma	1746	DAR/Apr2021/70
65	Simran	11156	DAR/Apr2021/71
66	Shachi Mishra	1722	DAR/Apr2021/72
67	vanshika madan	5627	DAR/Apr2021/73
68	Farzad malikzadah	1765	DAR/Apr2021/74
69	Anand kumar	1730	DAR/Apr2021/75

70	Sejal	1310	DAR/Apr2021/76
71	Aarmugam Thejasrees	3408	DAR/Apr2021/77

The Organising Team

Prof Krishna Sharma, Principal
Ms Anu Kapoor, Director, IQAC
Prof Ashwani Mahajan, Mentor
Dr Indranil Chowdhury, Convener
Ms Rimpy Kaushal, Co-convener
Mr Ankush Garg
Ms Srishti Kasana
Mr Akshay Garg
Dr Varun Bhushan

Student Volunteers

Owais
Naman Goyal
Ishaq

Things to be done

- Payments have to be made to the external resource persons based on the hours they have conducted. The bank details of the external resource persons will be sent in a separate word document.
- Certificates have to be issued to the organisers and the student volunteers.

Sd/-
Dr Indranil Chowdhury
Convener