

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

Data Analysis using R

A Report

The Department of Economics organised a short-term online course on “**Data Analysis using R**” (DAR/Apr2022) for the students and faculty members of Delhi University. This certificate course was designed for beginners who knew nothing about R. Given the mismatch that exists between education and employment it becomes essential for education institutions to impart knowledge that gives practical training to our students and enhance their skills.

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 2022 to 29 April 2022. The inaugural session was addressed by Dr. Indranil Chowdhury and Dr. Varun Bhushan. Sh. Indranath Mukherjee had also addressed the participants in the inaugural session. Mr Suryapratim Sarkar had addressed the valedictory session. Two students, one of them was from abroad had shared their experiences of doing this course in the valedictory session. Some of our participants were faculty members of Delhi university colleges and some were research scholars.

Course Fee

A registration fee of Rs 500/- was taken from each participant. 108 participants registered for the course.

Resource Persons

External Resource Persons		
Names	Affiliations	Hours
Dr Ishan Anand	Assistant Professor, Jindal Global University, Sonapat.	2
Mr Rajib Prasad	Vidyasagar College, University of Calcutta	2
Dr Avanindra Thakur	Assistant Professor, Jindal Global University, Sonapat.	6
Dr. Zaeen George De Souza	Pre-doc, Azim Premji University, Bengaluru.	4
Mr Suryapratim Sarkar	Head of Data Science at Zomato.	1
Dr. Jyotirmoy Bhattacharya	Associate Professor Ambedkar University, Delhi	4
Mr. Indranath Mukherjee	Vice-President, Analytics AXA	1
Internal Resource Persons		
Dr Indranil Chowdhury	Assistant Professor, P. G. D. A. V. College	2
Mr Akshay Garg	Assistant Professor, P. G. D. A. V. College	4

Sessions

Date		Name of the Resource Persons		Session taken	Hours	
Day		4:00 PM	5:00 PM			
1	4/12/2022	Tue	Inauguration	Mr. Indranath Mukherjee	1	1
2	4/13/2022	Wed	Dr Indranil Chowdhury		2	2
	4/14/2022	Thu	Holiday			
3	4/15/2022	Fri	Holiday			
4	4/16/2022	Sat	Dr Avanindra Thakur		2	2
5	4/17/2022	Sun	Dr Avanindra Thakur		2	2
6	4/18/2022	Mon	Mr Akshay Garg		2	2
7	4/19/2022	Tue	Dr Avanindra Thakur		2	2
8	4/20/2022	Wed	Mr Rajib Prasad		2	2

9	4/21/2022 Thu	Dr. Zaeen George De Souza	2	2
10	4/22/2022 Fri	Dr. Zaeen George De Souza	2	2
11	4/23/2022 Sat	Dr. Jyotirmoy Bhattacharya	2	2
12	4/24/2022 Sun	Dr. Jyotirmoy Bhattacharya	2	2
	4/25/2022 Mon	Practice day		
13	4/26/2022 Tue	Mr Akshay Garg	2	2
14	4/27/2022 Wed	Dr Ishan Anand	2	2
	4/28/2022 Thu	Practice day		
15	4/29/2022 Fri	Mr Suryapratim Sarkar	Suryapratim	Valedictory Session

Names of the total participants

The course's assessment was based on attendance, four short quizzes, one long quiz and a project assignment. Based on these criteria, sixty-seven students successfully completed the course. 90% of the attendance was compulsory for all the participants. The following are the names of the enrolled participants, along with their unique course ids.

Sr. No.	Name	College Name	Unique ID
1	Aakanchha	OP Jindal Global University	DAR/Apr2022/42
2	Aayush Agarwal	P.G.D.A.V (MORNING)	DAR/Apr2022/78
3	Abhay Kumar	PGDAV College Morning	DAR/Apr2022/41
4	Akansha Chourasia	Shaheed Bhagat Singh College	DAR/Apr2022/50
5	Akash kumar bishnoi	Pgdav college	DAR/Apr2022/67
6	Aman Yadav	P.G.D.A.V College	DAR/Apr2022/26
7	Amandeep Singh	College Of Vocational Studies, DU	DAR/Apr2022/66
8	Amit	Pgdav college (Morning)	DAR/Apr2022/64
9	Anand Qalandari	Hansraj	DAR/Apr2022/86
10	Ananya Shukla	Atma Ram Sanatan Dharma College	DAR/Apr2022/34
11	Anchal Kashyap	JINDAL GLOBAL UNIVERSITY	DAR/Apr2022/70
12	Anjali kumari	Pgdav college	DAR/Apr2022/80
13	Annushri	CVS	DAR/Apr2022/98

14	Anubhav Tyagi	Aryabhata College	DAR/Apr2022/2
15	Anugya Sharma	PGDAV College	DAR/Apr2022/22
16	Anushka Raghava	Gargi College	DAR/Apr2022/5
17	Arjun Lohia	Hansraj College	DAR/Apr2022/60
18	Atulya Singh	Ramjas college	DAR/Apr2022/39
19	Aungshula Bhattacharjee	Hansraj College	DAR/Apr2022/18
20	Ayendra Mitra	Hansraj College DU	DAR/Apr2022/11
21	Ayush Jha	PGDAV College (morning)	DAR/Apr2022/52
22	Bharat Mahesh	Hansraj College	DAR/Apr2022/85
23	Bhavna Seth	Dyal Singh College (M)	DAR/Apr2022/31
24	Chandrima Seal	PGDAV COLLEGE UNIVERSITY OF DELHI	DAR/Apr2022/15
25	Chetna sharma	Pgdav college	DAR/Apr2022/51
26	Darin murad	Department of Finance and Business Economics, University of Delhi	DAR/Apr2022/63
27	Deepa kumari	Delhi college of arts and commerce	DAR/Apr2022/77
28	Deepanshi Arora	PGDAV(Morning)	DAR/Apr2022/94
29	Dr. Aparna Datt	PGDAV College	DAR/Apr2022/104
30	Durjoy Biswas	Hansraj College, University of Delhi	DAR/Apr2022/45
31	Eishita Ojha	PGDAV COLLEGE	DAR/Apr2022/9
32	Ephron chilunjika	KMC Kirori Mal College	DAR/Apr2022/99
33	Eshan Wraich	Gargi	DAR/Apr2022/55
34	Gayana Chugh	PGDAV College	DAR/Apr2022/33
35	Ghulam Mustafa	PGDAV	DAR/Apr2022/76
36	Gita Golani	Shyama Prasad Mukherji College	DAR/Apr2022/16
37	Hansika Singh	Lady Shri Ram College for Women	DAR/Apr2022/84
38	Harsh Jain	Rajdhani College	DAR/Apr2022/58
39	Harsh Kumar	PGDAV college	DAR/Apr2022/19
40	Harshit Kumar Jaiswal	Hansraj College	DAR/Apr2022/79
41	HIFZA	PGDAV	DAR/Apr2022/68
42	Ishika	Daulat Ram College	DAR/Apr2022/13
43	Jai Kandpal	Ramanujan College	DAR/Apr2022/101
44	Jasmeet Kaur	Sri Guru Gobind Singh College of Commerce	DAR/Apr2022/37
45	Jyoti Kumari	Hansraj College	DAR/Apr2022/87
46	Kanishka	Sri Guru Gobind Singh College Of Commerce	DAR/Apr2022/47

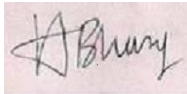
47	Kashish Paliwal	PGDAV (Morning)	DAR/Apr2022/20
48	Khushboo Aggarwal	PGDAV College	DAR/Apr2022/106
49	Khushi Bhansali	Hansraj College	DAR/Apr2022/3
50	Khushi Singh	Ramjas College	DAR/Apr2022/10
51	Komal Garg	JNU	DAR/Apr2022/100
52	Koshika Pandey	PGDAV COLLEGE	DAR/Apr2022/17
53	LOKESH JOSHI	ARYABHATTA COLLEGE	DAR/Apr2022/38
54	Madhurika Verma	PGDAV College	DAR/Apr2022/103
55	Manjot Kaur	Lakshmibai college	DAR/Apr2022/56
56	Mansi	Pgdav college	DAR/Apr2022/21
57	Megha kalra	PGDAV, DU	DAR/Apr2022/29
58	Megha Rai	Hansraj College	DAR/Apr2022/46
59	Mohd Ibrahim	Central University of Punjab	DAR/Apr2022/35
60	Neha Gupta	Department of Computer Science, University of Delhi	DAR/Apr2022/28
61	Neha Verma	Delhi School of Economics	DAR/Apr2022/6
62	Nikita Koya	Hansraj College, University of Delhi	DAR/Apr2022/44
63	Nishant Jain	P.G.D.A.V college	DAR/Apr2022/61
64	Pallavi	SRCC	DAR/Apr2022/73
65	Pankaj Yadav	USME, Delhi technological University	DAR/Apr2022/102
66	Parikshit Pandey	PGDAV MORNING COLLEGE	DAR/Apr2022/24
67	Pauline Lepcha Lucksom	PGDAV College	DAR/Apr2022/32
68	PRABHAT JAISWAL	Hansraj College	DAR/Apr2022/48
69	Prakarsh Singh	Hansraj College	DAR/Apr2022/7
70	Pranjal Sharma	PGDAV College	DAR/Apr2022/8
71	Preeti Jangid	Hansraj	DAR/Apr2022/91
72	Purnima Porwal	Gargi, University Of Delhi	DAR/Apr2022/4
73	Raj Rajeshwari Batra	PGDAV	DAR/Apr2022/25
74	Ranjeet	P.G.D.A.V College	DAR/Apr2022/82
75	Raunak Chhabra	PGDAV College	DAR/Apr2022/88
76	Ravikant	PGDAV College	DAR/Apr2022/1
77	Rick Sundar Jena	PGDAV College	DAR/Apr2022/27
78	Rinki sharma	Daulatram college	DAR/Apr2022/71
79	RITIKA GUPTA	P.G.D.A.V COLLEGE	DAR/Apr2022/72

80	RIYA MARIAM VARGHESE	DAULAT RAM COLLEGE, UNIVERSITY OF DELHI	DAR/Apr2022/14
81	Sahil Agarwal	P.G.D.A.V College	DAR/Apr2022/97
82	Sahil choudhary	P.G.D.A.V college (morning)	DAR/Apr2022/65
83	Sahil Yadav	PGDAV	DAR/Apr2022/12
84	Samyak Jain	P.G.D.A.V.	DAR/Apr2022/57
85	Sanghamitra Tomar	Hansraj college	DAR/Apr2022/81
86	Sanskar Dabral	PGDAV(M)	DAR/Apr2022/83
87	Sarika Chaudhary	Jawaharlal Nehru University	DAR/Apr2022/30
88	Satyam kumar	Pgdav college	DAR/Apr2022/96
89	Sejal Jain	P.G.D.A.V College, University of Delhi	DAR/Apr2022/23
90	Shradha Kaul	Hansraj College	DAR/Apr2022/36
91	Shristy Jain	Daulat Ram College	DAR/Apr2022/69
92	Shubhi Walia	P.G.D.A.V (M) College	DAR/Apr2022/92
93	Shweta Rai	Pgdav	DAR/Apr2022/75
94	Simarpreet Kaur	Sri Guru Tegh Bahadur Khalsa College	DAR/Apr2022/95
95	Simran Gandhi	PGDAV College	DAR/Apr2022/43
96	Simran Gupta	Pgdav(morning)	DAR/Apr2022/40
97	Simran Kaur	Hansraj College	DAR/Apr2022/93
98	Sparsh Singhal	Hansraj College	DAR/Apr2022/89
99	Stuti Rao	University of Hyderabad	DAR/Apr2022/59
100	Sujal Goel	Hansraj College	DAR/Apr2022/90
101	surabhi tiwari	PGDAV COLLEGE	DAR/Apr2022/74
102	Suraj kumar	P. G. D. A. V College	DAR/Apr2022/49
103	Swara maheshwari	P.G.D.A.V college	DAR/Apr2022/54
104	Tanya Sharma	PGDAV College	DAR/Apr2022/107
105	Udit Narayan	PGDAV	DAR/Apr2022/62
106	Vanshika Jain	Atmaram Sanatan Dharma	DAR/Apr2022/105
107	Vineet Kumar Singh	PGDAV Morning	DAR/Apr2022/53
108	Aakanchha	OP Jindal Global University	DAR/Apr2022/42

The Organising Team

Prof Krishna Sharma, Principal
Ms Anu Kapoor, Coordinator, IQAC
Prof Ashwani Mahajan, Mentor
Dr Indranil Chowdhury
Dr Varun Bhushan, Convener
Mr Ankush Garg
Ms Srishti Kasana
Dr. Deepika Kandpal
Mr Akshay Garg

Regards

A handwritten signature in black ink on a light pink background, appearing to read 'V Bhushan'.

Dr. Varun Bhushan
Course Convener & HoD (Economics)