



Indraprastha College for Women University of Delhi

Work Plan for ODD SEMESTER – 2026

Course Name:	B.A. (Prog.)	
Paper Title:	Skill Based Course- Data Visualization	
Unique Paper Code:	227167070001	
Semester:	VII	
Faculty:	Dr Namita Mathur	
Year:	2026-27	

Work Plan			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
I	Data Types	1	An introduction to data types
I	Data Types	2	An introduction to data types
I	Data Types	3	An introduction to data types
I	Data Types	4	An introduction to data types
I	Data Types	5	An introduction to data types
I	Practical activities	6	Graphing data
I	Specific data types	7	Spatial data
I	Specific data types	8	Spatial data
I	Specific data types	9	Spatial data
I	Specific data types	10	Practice on software
I	Specific data types	11	Textual data
I	Specific data types	12	Textual data
I	Practical activities	13	Textual data
I	Practical activities	14	Using excel to visualise data
I	Practical activities	15	Using excel to visualise data
I	Practical activities	16	Using excel to visualise data
I	Practical activities	17	Practice on software
I	Practical activities	18	Practice on software
I	Specific data types	19	Network data
I	Specific data types	20	Network data
I	Specific data types	21	Network data

I	Practical activities	22	Practice on software
I	Practical activities	23	Practice on software
I	Exploratory data analysis	24	Presentations
I	Exploratory data analysis	25	Presentations
I	Exploratory data analysis	26	Presentations
I	Exploratory data analysis	27	Presentations
		28	Revision
		29	Revision
		30	Revision

Unit	Contents/Syllabus
I	Data Types
II	
III	
S. No.	Name of Authors/Books/Publishers
1.	Healy, K. (2018). Data visualization: a practical introduction. Princeton University Press.
2.	Kabaco!, R. (2024). Modern Data Visualization with R. United States: CRC Press. URL: https://rkabaco!.github.io/datavis/
3.	Kazako!, M. (2022). Persuading with Data: A Guide to Designing, Delivering, and Defending Your Data. MIT Press.
4.	Kosuke, I. (2018). Quantitative Social Science: An Introduction. Princeton University Press.
5.	Foster, I., and Ghani, R., and Jarmin, R.S., and Kreuter, F., and Lane, J. (2020). Big Data and Social Science: Data Science Methods and Tools for Research and Practice. United States: CRC Press.

6.	Robinson, A.H., and Morrison, J.L., and Muehrcke, P.C., and Kimerling, A.J., and Guptill, S.C. (2009). Elements of cartography, 6TH ED. India: Wiley India Pvt. Lim- ited.
7.	Bolstad, P., Manson, S. (2022). GIS Fundamentals: A First Text on Geographic Information Systems. United States: Eider Press.

Paper Components			
Credits	Lecture (L)	Tutorial (T)	Practical (P)
Assessment Scheme			
S.No.	Component	Marking Scheme	Total Marks
1	Internal Assessment - Assignment - Class Test - Attendance		
2.	Continuous Assessment (Tutorial) - Activity 1 - Activity 2 - Attendance		
3.	Practical - Continuous Assessment - End Term Written/Practical Exam - Viva		
4.	End Semester Examination		