



G H RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI PUNE

(An Autonomous Institute under UGC Act 1956 & Affiliated to Savitribai Phule Pune University)

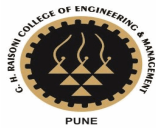
Domkhel Road , GAT No.: 1200 Wagholi, Pune – 412207

Course wise Teaching Plan for Session : Summer 2019

Course : DATA ANALYTICS

Faculty : munmun.ghosal@raisoni.net - MUNMUN KAUSHIK GHOSAL

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to Data Analysis And Interpretation, Need An Analysis Plan, Key Components Of A Data Analysis,	07/12/2018	BECL300	B
1	2	Types Of Analytics, Data Cleaning,	07/12/2018	BECL300	B
1	3	Categorical Variables, Data Coding, Univariate Data Analysis,	14/12/2018	BECL300	B
1	4	Standard Deviation, Distribution and Percentiles,	14/12/2018	BECL300	B
1	5	Observed Vs. Expected Distribution	21/12/2018	BECL300	B
2	6	R History, R Studio, Installation of R and R Studio,	21/12/2018	BECL300	B
2	7	GUIs,R Packages,R Libraries,	28/12/2018	BECL300	B
2	8	R-Files, Handling with working Directories,	28/12/2018	BECL300	B
2	9	Data Mining GUI In R,	04/01/2019	BECL300	B
2	10	Graphics GUI In R	04/01/2019	BECL300	B
3	11	Operators, Data Types	08/01/2019	BECL300	B
3	12	Data Structures In R – Vectors,	08/01/2019	BECL300	B
3	13	Matrices, Arrays, Lists,Data Frames, Factors	18/01/2019	BECL300	B
3	14	Arithmetic Operations, Logical Operations, Sub-setting Functions and Indexing,	18/01/2019	BECL300	B
3	15	Control and Flow Operators,LOOPS , Data Acquisition (Import and Export)	25/01/2019	BECL300	B
4	16	Strings ,Memory Management,	25/01/2019	BECL300	B
4	17	Read/Write of Datasets, Sorting/Merging Data,	01/02/2019	BECL300	B
4	18	Aggregating Data, Cleaning Data,	01/02/2019	BECL300	B
4	19	Writing Functions in R, Simple and Complex Functions in R, Built-in Functions	08/02/2019	BECL300	B
5	20	Types of statistical analysis, Sampling methods, Qualitative and quantitative data,	08/02/2019	BECL300	B
5	21	Measure of central tendency, Measure of Variation/Dispersion,	15/02/2019	BECL300	B



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5	22	Probability Distribution, Types Of Distributions,	15/02/2019	BECL300	B
5	23	Discrete Probability Distributions	01/03/2019	BECL300	B
6	24	Data Manipulation using dplyr, Data Management using tidyr,	01/03/2019	BECL300	B
6	25	Text Manipulation using stringr, Types of Visualization,	08/03/2019	BECL300	B
6	26	Graphs in R, Types of Graph,	08/03/2019	BECL300	B
6	27	Line Plots, Dot Plots , Pie Charts,	15/03/2019	BECL300	B
6	28	Histograms, Scatter plots, Bar Plots	15/03/2019	BECL300	B