Introduction	AI - definition, opportunity, threats AI - examples Core spaces of DS, AI, ML, DL BIG DATA definition, Evolution, drivers V's of BIG DATA BIG DATA - Frameworks Roles, skills
Python - basics	data structures Components - Numpy, Scipy, PANDAS Plotting
Data pre processing	PREPARING DATA TABLES possible values to uncover mistakes, duplications and inconsistencies checking basic sanity of data REMOVING OBSERVATIONS AND VARIABLES TRANSFORMATION NEW FREQUENCY DISTRIBUTION CONVERTING TEXT TO NUMBERS

Fature Engg	- feature extraction (Dimensionality reduction tech) Factor analysis PCA, LDA, tSNE, ICA
Applications of ML	Recommender systems Association rules mining Time series applications Natural Language processing (basics)
Deployment of ML solutions	Shaping the ML models Online training Deploying solutions