Machine Learning in Python

Day	Time	Topics	Instructor
1	8.45am	Registration	Dr Amir
	9.00am – 10.45am	Python Data Structures: List, Tuple, and Dictionary	
	10.45am – 11am	Break	
	11am – 1pm	Numpy Data Structures: ndarray pandas Data Structures: Series and DataFrame	
	1pm – 2pm	Lunch	
	2pm – 3.45pm	Introduction to Machine Learning	
	3.45am – 4pm	Break	
	4pm – 5.30pm	Supervised Learning: - Linear Regression - Logistic Regression - Practical	

Day	Time	Topics	Instructor
2	8.45am	Registration	Dr Amir
	9.00am – 10.45am	Supervised Learning: - Support Vector Machines - K-Nearest Neighbors - Practical	
	10.45am – 11am	Break	
	11am – 1pm	Unsupervised Learning: - K-Means - Hierarchical Clustering - Practical	
	1pm – 2pm	Lunch	
	2pm – 3.45pm	Ensemble Learning Methods - Boosting - XGBoost	
	3.45am – 4pm	Break	
	4pm – 5.30pm	Practical	

Day	Time	Topics	Instructor
3	8.45am	Registration	Dr Amir
	9.00am – 10.45am	Ensemble Learning Methods - LightGBM - Practical	
	10.45am – 11am	Break	
	11am – 1pm	Artificial Neural Networks - Practical	
	1pm – 2pm	Lunch	
	2pm – 3.15pm	Case Study Presentations	
	3.15am – 3.30pm	Break	
	3.30pm – 5.30pm	Assessment	