

Data Science Workshop - Python						
Day	Time	Session	Topics	Method	Technology	
1	09:00 - 09:30	1	Instructor Introduction and Lab Setup Help		Python 3.5+	
	09:30 - 10:30		Introduction to Data Science Life Cycle	Theory		
	Coffee Break (10:30 - 10:50)					
	10:50 - 12:00	2	Introduction to Python - I	Lab		
	Lunch Break (12:00 - 01:00)					
	01:00 - 02:30	3	Introduction to Python - II	Lab		
	Coffee Break (02:30 - 02:50)					
	02:50 - 04:30	4	Intermediate Python	Lab		
2	09:00 - 09:30	5	Questions on Previous Day	Lab	Python 3.5+	
	09:30 - 10:30		Data Analysis in Python - Numpy	Lab		
	Coffee Break (10:30 - 10:50)					
	10:50 - 12:00	6	Data Analysis in Python - Pandas I	Lab		
	Lunch Break (12:00 - 01:00)					
	01:00 - 03:00	7	Data Analysis in Python - Pandas II	Lab		
	Coffee Break (03:00 - 03:20)					
	03:20 - 04:30	8	Data Visualization in Python - Seaborn	Lab		
3	09:00 - 09:30	9	Question on Previous Day	Theory	Python 3.5+	
	09:30 - 10:30		Introduction to Machine Learning			
	Coffee Break (10:30 - 10:50)					
	10:50 - 12:00	10	Data Pre processing Linear, Ridge, Lasso and Elastic Net Regression	Theory		
	Lunch Break (12:00 - 01:00)					
	01:00 - 02:30	11	k-Nearest Neighbour - Regression and Classification Classification Metrics	Lab		
	Coffee Break (02:30 - 02:50)					
	02:50 - 04:30	12	Logistic Regression Naïve Bayes	heory and Lab		
4	09:00 - 09:30	13	Questions on Previous Day	heory and Lab	Python 3.5+	
	09:30 - 10:30		Decision Trees and Ensemble Methods	heory and Lab		
	Coffee Break (10:30 - 10:50)					
	10:50 - 12:00	14	Natural Language Processing	heory and Lab		
	Lunch Break (12:00 - 01:00)					
	01:00 - 03:00	15	Association Rule	heory and Lab		
	Coffee Break (03:00 - 03:20)					
	03:20 - 04:30	16	Natural Language Processing	heory and Lab		
5	09:00 - 09:30	17	Question on Previous Day	Theory	Hortonworks Sandbox	
	09:30 - 10:30		Feature Extraction	Theory		
	Coffee Break (10:30 - 10:50)					
	10:50 - 12:00	18	Artificial Neural Network	Theory		
	Lunch Break (12:00 - 01:00)					
	01:00 - 02:30	19	Hadoop Ecosystem With Hortonwroks	Theory		
	Coffee Break (02:30 - 02:50)					
	02:50 - 03:30	20	Big Data Demonstration	heory and Lab		