



Inversion Consultancy LLP

Organizing Entity



SkillForge

Delivery Partner

DATA SCIENCE COURSE CURRICULUM

01

Induction Class (Optional)



1 Hour

02

Introduction to Python



Python fundamentals



1 Hour + 15
Min Doubts

03

Introduction to Python



Data types, list, dictionary
Array, string operations



1 Hour + 15
Min Doubts

04

Introduction to Python



Conditions and loops



1 Hour + 15
Min Doubts

05

Introduction to Python



Inbuilt and user defined
functions IO, Excel and DB
operations



1 Hour + 15
Min Doubts

06

Introduction to Python



Error Handling



1 Hour + 15
Min Doubts

07

Introduction to Data
analysis



Pandas and visualization



1 Hour + 15
Min Doubts



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08

Statistics and Probability



Introduction to probability & distribution central limit theorem, hypothesis testing



1 Hour + 15 Min Doubts

09

Introduction to Data Science



Introduction to Data Science and it's tools and Difference between ML and DS



1 Hour + 15 Min Doubts

10

Intro to SQL for Data Science



Basics of SQL, Data Types, SELECT*, Order By and Joins



1 Hour + 15 Min Doubts

11

Intro to Tableau



Basics of Tableau with CSV files, Data visualization



1 Hour + 15 Min Doubts

12

Tableau



Data Mining in Tableau with some statistic test



1 Hour + 15 Min Doubts

13

Intro to ML



Supervised vs Unsupervised and different types of ML Algorithms



1 Hour + 15 Min Doubts



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14

SLR



Simple Linear Regression with Sklearn



1 Hour + 15
Min Doubts

15

MLR



Multiple Linear Regression



1 Hour + 15
Min Doubts

16

Classification



Logistic Regression and classification
metrics



1 Hour + 15
Min Doubts

17

Classification



KNN and SVM



1 Hour + 15
Min Doubts

18

Unsupervised



Intro to clustering with K means



1 Hour + 15
Min Doubts

19

Dimension
Reduction



Dimensionality Reduction,
PCA and LDA



1 Hour + 15
Min Doubts



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20

Intro to NLP



Natural Language Processing
with NLTK and Naïve Bayes



1 Hour + 15
Min Doubts

21

Time Series



Time series analysis with Pandas
and FB Prophet



1 Hour + 15
Min Doubts

22

BI Tools



Intro to Business Intelligence tools
in the industries



1 Hour + 15
Min Doubts

23

Webapp



Webapp using streamlit



1 Hour + 15
Min Doubts