

BUILDING SKILLS, BUILDING INDIVIDUALS

K2 ANALYTICS



[K2ANALYTICS.IN](https://k2analytics.in)

DATA SCIENCE WITH PYTHON



Website : <https://k2analtics.in>

Mobile : +91 89396 94874

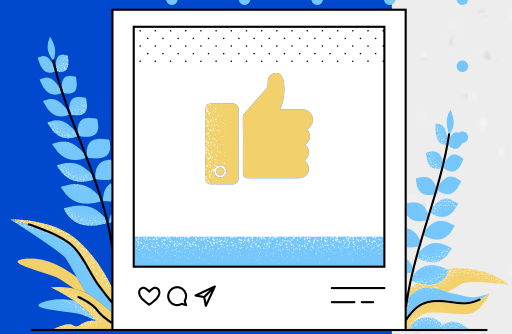
About K2 Analytics

K2 Analytics is a Business Intelligence and Analytics focused training institute.



WHO IS THIS PROGRAM FOR?

- Students with a bachelor's degree and passion for Data Science.
- Senior Managers who want to upskill themselves to for the future.
- Business Analysts & Software Engineers looking to switch into Data Science.
- College Graduates working in the Data Science domain and looking to enhance their career.



Features & Benefits

Designed for working professionals



70% Hands-on content with lab sessions



24 x 7 Access to online videos and content



Special Batches For Working Professionals



Only week-end batches



Duration: 150+ hours



Capstone projects



OUR TRAINING COURSES

WE OFFER MODULAR TRAINING IN DATA SCIENCE / MACHINE LEARNING.

FEATURES

- You can pick and choose what you wish to learn.
- Recorded Video Content Access Provided.
- 150+ hours pre-recorded content available

WHY US ?

- Key Trainer – Rajesh Jakhotia who has 20+ years analytics experience
- Hands-on Experiential Training
- Capstone Projects
- Placement Assistance

BLOG

<https://k2analytics.in/blog/>



COURSE DETAILS

COURSE NAME

DATA SCIENCE WITH PYTHON

Duration

1 Month – 20 Hours, Week-end sessions

WHAT YOU GET?

- 20 Hours Instructor Led Online Training
- 20 Hours of Recorded Video Content

COURSE FEE

₹ 12,000 (+ GST)
(₹ 14,160 all inclusive of taxes)

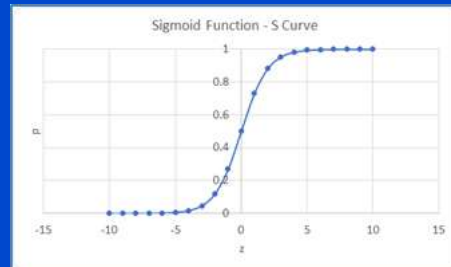


Data Science With Python Course Curriculum



- **PYTHON PROGRAMMING**

05 HOURS



- **LINEAR REGRESSION**

05 HOURS

- **LOGISTIC REGRESSION**

10 HOURS



PYTHON PROGRAMMING

COURSE DETAILS

- Introduction to Python and Anaconda
- Spyder and Jupyter Notebook
- Understanding Python Data Structures
 - List, Tuple, Dictionary, Sets
- Numpy and Pandas Packages in Python
 - 1D, 2D, 3D Array
 - Series and Dataframe
- Data Management in Python
 - Importing a Datafile
 - Selecting Rows / Observations
 - Selecting Columns / Fields
 - Merging Data
 - Relabeling the Column Names

COURSE DURATION:

05 hours



SUPERVISED MACHINE LEARNING

LINEAR REGRESSION

COURSE DETAILS

- Introduction to Linear Regression
- Simple Linear Regression
- Multiple Linear Regression
- Line of Best Fit
- Residual Error, SSE
- R-Squared & Adj, R-Squared
- Correlation & Multi-Collinearity
- Variance Inflation Factor
- Homoscedasticity & Heteroscedasticity
- **PROJECTS**
 - Build a Linear Regression Model to Estimate Monthly Household Expense

COURSE DURATION:
05 hours



SUPERVISED MACHINE LEARNING LOGISTIC REGRESSION

COURSE DETAILS

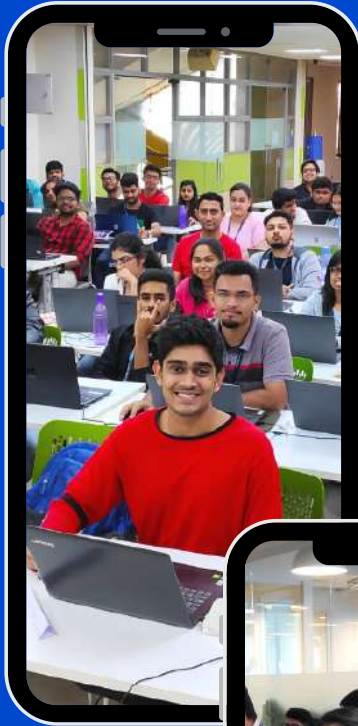
- Introduction to Logistic Regression
- Log Odds Concept and Logistic Function
- Development, Validation and Hold-out
- Hypothesis Testing
- Outlier Treatment & Missing Value Imputation
- Information Value
- Pattern Detection and Visualization
- Variable Transformation
- Weight of Evidence
- Multi-Collinearity & Variance Inflation Factor (VIF)
- Model Development & Validation
- Model Performance Measurement
 - KS, Rank Order, Lift Chart, AUC-ROC, Gini, Concordance, Hosmer-Lemeshow Goodness of Fit Test
- **PROJECTS**
 - Personal Loans Cross-Sell Model using Logistic Regression Technique

COURSE DURATION:

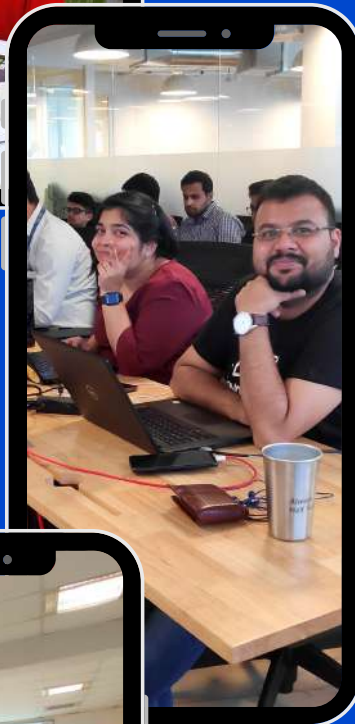
10 hours



RECENT TRAINING & SESSIONS



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TATA AIG



RIZVI COLLEGE



Contact Us

+91 89396 94874 /  +91 84528 39993

info@k2analytics.in

<https://k2analytics.in/contact/>

