

# Data Science Tutorial Library - 370+ Free Tutorials

## Start Learning Data Science

Check out these Data Science Tutorials and step up for becoming the next Data Scientist.

Choose where to begin, learn at your own pace:

Unlock latest Data Science tutorials for beginners

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- ◆ [Top Data Science Programming Languages](#)
- ◆ [Data Science for Beginners](#)
- ◆ [Why Learn Data Science?](#)
- ◆ [Is Data Science Difficult to Learn](#)
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- ◆ Master SQL for Data Science
- ◆ Maths and Stats for Data Science
- ◆ 14 Best Data Science Tools
- ◆ Data Science Tools for Small Business
- ◆ Data Science for Business
- ◆ Data Science Use Cases
- ◆ Pros and Cons of Data Science
- ◆ Future of Data Science
- ◆ How to Make Career in Data Science
- ◆ Transfer Learning for Deep Learning with CNN



Level up to more exciting Data Science tutorials

- ◆ Data Science Applications
- ◆ Data Science in Banking
- ◆ Data Science in Education
- ◆ Data Science in Finance
- ◆ Data Science in Healthcare
- ◆ Purpose of Data Science
- ◆ Top 13 Data Science Books
- ◆ Steps to Become a Data Scientist
- ◆ Skills to Become a Data Scientist
- ◆ Data Science Job Trends
- ◆ Top Data Science Jobs
- ◆ How to Get Your First Job in Data Science

- ◆ Scope of Data Science in India
- ◆ Best Data Scientist Certifications
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- ◆ Hadoop for Data Science
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- ◆ Machine Learning for Data Science
- ◆ SAS for Data Science
- ◆ NLP for Data Science
- ◆ Data Science Case Studies
- ◆ Case Study – Data Science at Netflix
- ◆ Case Study – Data Science at Flipkart
- ◆ Case Study – Data Science at Twitter



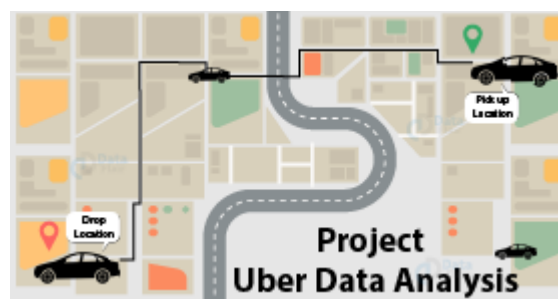
Master essential Data Science skills and evolve as a Data Scientist

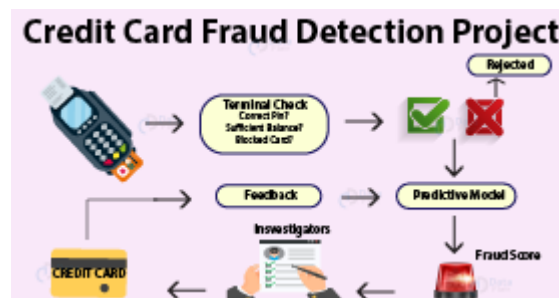
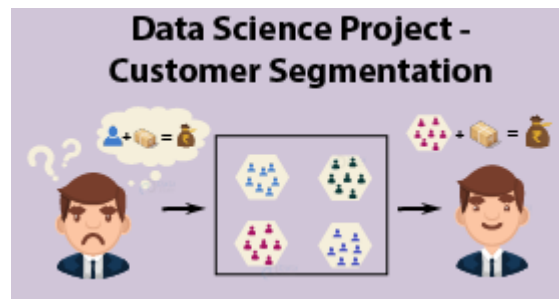
- ◆ R vs Python for Data Science
- ◆ R vs Python vs SAS for Data Science
- ◆ Data Science vs Big Data
- ◆ Data Science Vs Artificial Intelligence
- ◆ Data Science Vs Machine Learning
- ◆ Data Science Vs Business Intelligence
- ◆ Data Scientist vs Data Analyst
- ◆ Data Scientist vs Business Analyst
- ◆ Data Science Vs Data Engineer vs Data Analyst
- ◆ Data Science and Data Mining

- ◆ Predictive Modeling for Data Science
- ◆ K-means Clustering in Data Science
- ◆ Bayes' Theorem for Data Science
- ◆ Data Science Interview Questions- Part 1
- ◆ Data Science Interview Questions- Part 2
- ◆ Infographic – Data Science Vs Data Analytics
- ◆ Infographic – How to Become Data Scientist
- ◆ Why Data Science is in Demand?
- ◆ Data Scientists Demand Predictions for 2020
- ◆ Data Science Project on Sentiment Analysis
- ◆ Data Science Project on Uber Data Analysis
- ◆ Data Science Project on Credit Card Fraud Detection
- ◆ Data Science Project on Movie Recommendation
- ◆ Data Science Project on Customer Segmentation

## Practical Learning with Data Science Projects

Strengthen your portfolio and get your dream Data Science job by implementing these real-world Data Science projects. Display your true potential to recruiters and become the next data scientist.





Implement your Data Science learning and step into the world of R Programming

- ◆ R Nonlinear Regression Analysis
- ◆ R Decision Trees
- ◆ Cluster Analysis with R
- ◆ Graphical Models in R
- ◆ Top Real-World Graphical Models Applications

- ◆ SVM Training and Testing Models in R with e1071
- ◆ Bayesian Networks with R
- ◆ Bayesian Methods with R
- ◆ Top 10 Real-World Bayesian Network Applications
- ◆ R- Predictive and Descriptive Analytics
- ◆ Normal Distribution in R – Basic Probability distribution
- ◆ R Cluster Analysis
- ◆ Data Visualization in R
- ◆ Classification in R
- ◆ Chi-Square Test in R
- ◆ Bar Charts in R | Histogram in R
- ◆ Top 10 Data Analytic Tools



Learn the importance of Python for Data Science

- ◆ Python Data Science Introduction
- ◆ Python Data Science Environment Setup
- ◆ Python Matplotlib
- ◆ Data Operations and Data Cleansing
- ◆ Processing CSV, JSON, and XLS data
- ◆ Python Relational Databases
- ◆ Python NoSQL Databases
- ◆ Stemming and Lemmatization
- ◆ Data Wrangling and Aggregation
- ◆ Box Plot and Scatter Plot with Python

- ◆ Bubble Chart and 3D Charts in Python
- ◆ Geographical and Graph Data in Python
- ◆ Python Time Series Evaluation
- ◆ Measuring Central Tendency and Variance
- ◆ Normal, Binomial, Poisson, Bernoulli Distributions
- ◆ p-value and Correlation
- ◆ Chi-Square Test and Linear Regression
- ◆ Heat Maps with Python
- ◆ Histograms and Bar Plots with Python



Master your Data Science skills with SAS

- ◆ Special & Built-in Data Sets in SAS
- ◆ Entering and Reading Raw Data in SAS
- ◆ Writing Raw Data in SAS – PROC Export & CSV file
- ◆ Merging Datasets in SAS
- ◆ SAS Concatenate Data Sets with Set Statement
- ◆ SAS SQL – PROC SQL SAS
- ◆ SAS Proc Sort Data Sets
- ◆ SAS Formats- Built-in & User-Defined
- ◆ Splitting and Subsetting Datasets in SAS
- ◆ SAS Histogram Statement With UNIVARIATE Procedure
- ◆ SAS Bar Charts – Simple, Stacked & Clustered
- ◆ SAS Pie Charts | Types of Pie Charts
- ◆ SAS ODS (Output Delivery Systems)

◆ SAS Boxplots – PROC SGPanel, SGPLOT & Types

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◆ SAS Scatter Plots & Types

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◆ SAS Correlation Analysis- PROC CORR & Correlation Matrix

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All Tutorials ▶▶

All Tutorials ▶▶

All Tutorials ▶▶



## Crack Your Next Data Science Interview

*Want to make it through the next interview you will appear for?* Hone your skills with our three-part series of Data Science interview questions widely asked in the industry. With basic to advanced questions of Data Science, this is a great way to expand your repertoire and boost your confidence.

◆ Data Science Interview Questions- Part 1

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◆ Data Science Interview Questions- Part 2

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◆ SAS Interview Questions- Part 1

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◆ SAS Interview Questions- Part 2

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◆ SAS Interview Questions- Part 3

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◆ Python Interview Questions- Part 1

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◆ Python Interview Questions- Part 2

◆ Python Interview Questions- Part 3

◆ Python Interview Questions- Part 4

◆ Python Interview Questions- Part 5

◆ Python Interview Questions- Part 6

◆ R Interview Questions- Part 1

◆ R Interview Questions- Part 2

◆ R Interview Questions- Part 3

◆ AI Interview Questions- Part 1

◆ AI Interview Questions- Part 2

◆ IoT Interview Questions- Part 1

◆ IoT Interview Questions- Part 2

◆ Data Mining Interview Questions- Part 1

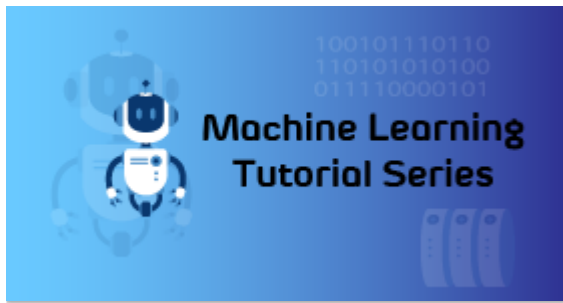
◆ Data Mining Interview Questions- Part 2

◆ SAS/STAT Interview Questions- Part 1

◆ SAS/STAT Interview Questions- Part 2

Check out more cool technologies related to Data Science





Dig deeper with Data Mining (Pun intended)

- ◆ Introduction to Data Mining
- ◆ 19 Data Mining Tools
- ◆ Data Mining Architecture
- ◆ Data Mining Limitations
- ◆ Data Mining Terminologies
- ◆ Data Mining Applications

- ◆ Best Data Mining Books
- ◆ The Data Mining Process
- ◆ 6 Data Mining Techniques
- ◆ Text Mining in Data Mining
- ◆ Data Mining Software Systems
- ◆ Data Analysis Software Systems
- ◆ Benefits of Data Mining in Machine Learning
- ◆ Data Mining Algorithms
- ◆ Data Mining Clustering
- ◆ Data Mining Query Language (DMQL)
- ◆ Data Mining Interview Questions- Part 1
- ◆ Data Mining Interview Questions- Part 2
- ◆ Data Mining Interview Questions- Part 3



## Create with Artificial Intelligence

- ◆ Introduction to Artificial Intelligence
- ◆ Pros and Cons of AI
- ◆ Future of AI & Career Opportunities
- ◆ Neural Networks in AI
- ◆ Popular Search Algorithms in AI
- ◆ DS vs AI vs ML vs DL
- ◆ DL vs ML
- ◆ Best AI Books
- ◆ Python AI Tutorial

- ◆ Python AI NLP Tutorial
- ◆ Python AI NLTK Tutorial
- ◆ Python AI Speech Recognition
- ◆ Python AI Heuristic Search
- ◆ Python AI Logic Programming
- ◆ Python AI Reinforcement Learning
- ◆ Applications of AI
- ◆ Fuzzy Logic Systems with AI
- ◆ Expert Systems with AI
- ◆ AI- Natural Language Processing
- ◆ Robotics with AI



Learn all about Machine Learning

- ◆ Machine Learning Tutorial
- ◆ Machine Learning Software
- ◆ Applications of Machine Learning
- ◆ Future of Machine Learning
- ◆ ML Advantages & Limitations
- ◆ Algorithms for ML
- ◆ Artificial Neural Networks (ANN) – ML
- ◆ Recurrent Neural Networks(RNN) – ML
- ◆ ML ANN Applications
- ◆ ML ANN Learning Rules
- ◆ ML ANN Model

- ◆ ML ANN Algorithms
- ◆ Deep Learning Tutorial- ML
- ◆ ML-DL Terminologies
- ◆ ML-DL For Audio Analysis
- ◆ Support Vector Machine(SVM) – ML
- ◆ SVM Applications – ML
- ◆ SVM Kernel Functions – ML
- ◆ Dimensionality Reduction – ML
- ◆ ML Gradient Boosting Algorithm

All Tutorials ▶▶

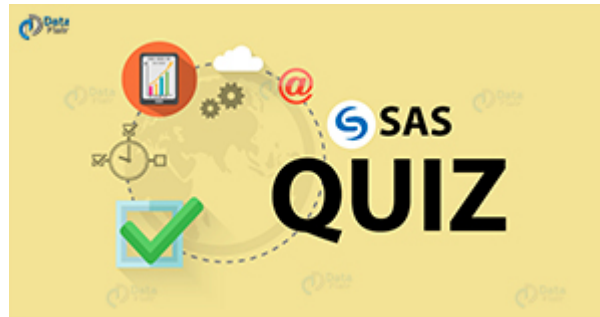
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## Test Your Data Science Skills

Think you have all the required Data Science skills? Test your skills with our series of Data Science quizzes and measure yourself to your expectations. Improve in the process with questions carefully curated for different levels of difficulty.





## Exploring the Data Science Language

Let's take a look at some facts about Data Science and its philosophies.

### What is Data Science?

Data Science is an advanced field that makes use of scientific methods, for solving problems by extracting knowledge and insights from structured as well as unstructured data. Data Science