



Learn.
Empower.
Evolve.

Certificate of Learning



VAIRAMUTHU M

Student ID: 24863B

has completed the following course

A-Z of Data Science 2022 with Real Industry examples

4hr,25min

Total Duration

50

No. of Lessons

Beginner

Level of the Course

Issued on **11th January 2022**

Certificate Link: **[learnmall.in/cert/IED224863B](https://www.learnmall.in/cert/IED224863B)**



Learning Summary



VAIRAMUTHU M (Student ID: 24863B)

has completed the following course

" A-Z of Data Science 2022 with Real Industry examples "

- ▶ Course Segementation: **Business > Analytics > Data Science**
- ▶ Duration: **4 hours 25 minutes**
- ▶ Level: **Beginner**
- ▶ No. of Lessons: **50**
- ▶ Issue Date: **11th January 2022**

Course Syllabus

▶ What is Data Science ?

- Venn Diagram
- Pipeline

▶ Data Exploration

- Exploratory graphs
- Spreadsheets
- Python
- Data exploration using R
- SQL
- Web Formats

▶ Mathematics

- Algebra
- Systems of Equations
- Calculus
- Big O

▶ Machine Learning

- Decision trees
- Ensembles
- Naive Bayes classifiers
- Artificial Neural Networks

▶ What is Data Governance ?

- The role of data in the 21st century
- Data governance definition and basics
- The principles of data governance
- Data governance focus areas
- When does an organization need data governance ?

▶ Managing a Data Governance Program

- Managing and maintaining data governance

- Monitoring and measuring your program

▶ Data Mining: Preliminaries

- Data mining prerequisites
- Algorithm prerequisites
- Software prerequisites

▶ Data Reduction

- Goal of Data Reduction
- Algorithm for Data Reduction
- Data reduction in R
- Data reduction in Python

▶ Clustering

- Clustering goals
- Clustering data
- Clustering in R
- Classification in Python

▶ Classification

- Classification goals
- Classification data
- Classification in R
- Regression analysis in Python

▶ Regression Analysis

- Regression analysis goals
- Regression analysis Data
- Regression analysis in R
- Regression analysis in Python

▶ Sequential Patterns

- Sequential mining goals



- Sequential mining algorithms
- Sequential mining in R
- Sequential mining in Python

► **Text Mining**

- Text mining goals
- Text mining algorithms
- Text mining in R
- Text mining in Python

