Unogeeks

Machine Learning Course Content

Course Duration - 45-50 Hrs., 7-8 Weeks

Course Information

Batch Options

Weekday Batch
Mon - Fri - 1.5 Hr./Day

About the Trainer

Industry Expert Trainer with 15+ Years Real Time Work Experience at Top US Based Product and Consulting Firms

Contact Us

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Introduction To Machine Learning

Machine Learning

Machine learning is a growing technology which enables computers to learn automatically from past data

What you'll learn

- Data Analysis with Excel and SQL
- Python with Data Science
- Machine Learning & Deep Learning Using TensorFlow
- Power BI, GIT & Linux
- Deploying Machine Learning Models with Cloud
- Natural Language Processing & Computer Vision
- Data Science at Scale with Pyspark
- Prepare for Python certification exams and get Job Ready
- Resume & Interview preparation and Job Assistance

Course Content

Module 1: Preparatory Session - Linux and Python

- Python
- Linux

Module 2: Data Analysis With MS-Excel

- Excel Fundamentals
- Excel For Data Analytics
- Data Visualization with Excel
- Excel Power Tools
- Classification Problems using Excel
- Information Measure in Excel
- Regression Problems Using Excel

Module 3: Data Wrangling with SQL

- SQL Basics
- Advanced SQL
- Deep Dive into User Defined Functions
- SQL Optimization and Performance

Module 4: Python with Data Science

- Extract Transform Load
- Data Handling with NumPy
- Data Manipulation Using Pandas
- Data Preprocessing
- Data Visualization

Module 5: Linear Algebra and Advanced Statistics

- Descriptive Statistics
- Probability
- Inferential Statistics

Module 6: Machine Learning

- Introduction to Machine Learning
- Regression
- Classification
- Clustering
- Supervised Learning
- Unsupervised Learning
- Performance Metrics

Module 7: Deep Learning Using TensorFlow

- Artificial Intelligence Basics
- Neural Networks
- Deep Learning

Module 8: Power BI

- Power BI Basics
- DAX
- Data Visualization with Analytics

Module 9: Deploying Machine Learning Models with Cloud

- Deploying Machine Learning Models with Cloud
- Deploying Machine Learning Models

Module 10: Git

- Version Control
- GIT

Module 11: Data Science Capstone Project

Module 12: Business Case Studies

- Recommendation Engine
- Rating Predictions
- Census
- Housing
- Object Detection
- Stock Market Analysis
- Banking Problem

Module 13: Natural Language Processing

- Text Mining, Cleaning, and Pre-processing
- Text classification, NLTK, sentiment analysis, etc.
- Sentence Structure, Sequence Tagging, Sequence Tasks, and Language Modeling
- AI Chatbots and Recommendations Engine

Module 14: Computer Vision

- RBM and DBNs & Variational Autoencoder
- Object Detection using Convolutional Neural Net
- Generating images with Neural Style and Working with Deep Generative Models
- Distributed & Parallel Computing for Deep Learning Models
- Reinforcement Learning
- Deploying Deep Learning Models and Beyond

Module 15: Data Science at Scale with Pyspark

- Big Data and Spark
- RDDs
- Advanced Concepts & Spark-Hive

Module 16: Machine Learning Certification Exam Prep

- Explain Machine Learning Certification Options
- Discuss 50+ Important Machine Learning Certification Questions
- Practice Machine Learning Certification questions

Module 17: Resume Preparation, Interview and Job Assistance

- Prepare Crisp Resume as Machine Learning Developer
- Discuss common interview questions in Machine Learning
- Explain students what jobs they should target and how