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TensorFlow Course

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Course Overview

In this Course you get to learn TensorFlow for Deep Learning with Python.

We will help you learn to build a neural network and how to train, evaluate and optimize it with TensorFlow.

TensorFlow Skills

The set of skills those can be acquired upon completion of this TensorFlow training are

- Data Analysis
- TensorFlow
- Deep Learning Application,
- Numpy, Pandas
- Matplotlib
- Seaborn
- Conda Environment
- Data Visualization
- Data Processing, etc

Course Features



Course Duration- 15 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

About TensorFlow

This TensorFlow is a machine learning platform which is under open source licensing.

TensorFlow library can be used for both production and research applications.

The different applications that can be carried out under TensorFlow are Research and experimentation, production scale Machine Learning, generative models, Images, Sequences, Load data, data representation, Non-Machine Learning applications.

TensorFlow Course

This is a Bundle Course that includes complete in-depth TensorFlow Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a TensorFlow Learning professional.



Tensorflow With Python

Section 1. Introduction

- Introduction to Tensorflow with Python

Section 2. Installation

- Installation of Tensorflow
- Basic Data Types for Tensorflow

Section 3. Implementing Linear

- Implementing Simple Linear Model
- Creating a Python File
- Optimization of Variable
- Implementing the Constructor Variable

Section 4. Addition and Random Number Calculation

- Printing the Variable Result
- Naming the Variable

2

Machine Learning with Tensorflow for Beginners

Section 1. Introduction to Machine Learning

- Introduction to Machine Learning with Tensorflow
- Understanding Machine Learning
- How do Machines Learn
- Uses of Machine Learning
- Examples with tensorflow by Google

Section 2. Setting up your workstation

- Setting up the Workstation
- Understanding program languages
- Understanding and Functions of Jupyter
- Learning of Jupyter installation
- Understanding what Anaconda cloud is
- Installation of Anaconda for Windows
- Installation of Anaconda in Linux
- Using the Jupyter notebook
- Getting started with Anaconda
- Determining options for Cloudberry

Section 3. Numpy

- Introduction to Third Party Libraries
- Numpy-Array
- Arrays
- Indexing
- Universal Functions

Section 4. Pandas

- Introduction to Pandas
- Pandas Series
- Import Pandas
- Parameters
- Indexing and Database
- Missing Data
- Missing Data-Groupby
- Concat-Merge-Join
- Operations

Section 5. Matplotlib

- Python Visualisation
- Mat Plotting
- Multiple Plot Subsections
- API Functionality
- Title of the Plot
- Change Size of Articles
- Two Different Crops
- Mat Plotting Label
- Marker Color
- Create a New Dataframe
- Change the Style
- Index and Value

Section 6. Seaborn

- Seaborn-Statistical Data Visualization
- seaborn library
- Jointplot
- Pairplot
- Barplot
- Boxplot
- Stripplot
- Matrix
- Grid
- StyleMatplotlib

2

Machine Learning with TensorFlow for Beginners

Section 7. Conda Envirement

- Introduction To Conda Envirement
- Scikit Learn
- Datasets
- California Dataset

Section 8. Data Visualization

- Data Visualization
- Downloading a Test Data
- Population Parameter

Section 9. Processing

- Processing
- Null Values with Median Value
- Replace Missing Values
- Label Encoder
- Import Labelencoder
- Custom Transformation
- Transformer Custom Transformer
- Housing with Custom Colums
- Numeric Hosing Data
- Liner Regression
- Fine Tuning Model

Section 10.Tensorflow Basics


- Quick-Recap
- Tensorflow
- Tensorflow-Hello-World
- Basic Ops
- Eager-Mode

Section 11. TensorFlow model

- Concept
- Linear-Regression
- Linear-Model
- Matrix Multiplication Function
- Practice for a Simple Linear Model
- Cost Function
- Creative Optimizer
- RR Input and Output Value
- Logistic-Regression
- Global Variables Initializer
- Run Optimizer
- Create a Range

Section 12. Neural Networks

- Introduction to Neural Networks
- Basic-Concepts
- Activative Functions
- Activative Functions Input to Output
- Classification Functions
- Tensorflow-Playground
- Mnist-Dataset




Frequently Asked Questions

Is this TensorFlow training a good one to pursue?

Yes, Any Machine Learning Engineer or Data Architect or Analytics Engineer or Hadoop Developer or prospective Technical Data Processing Engineer who is interested and keen in learning the latest data related technologies in can choose this TensorFlow course which is a worthy considerable one.

Can fresher or nontechnical background learners choose this course? Is this good for switching careers in different areas?

YES, this TensorFlow course is a good choice for your profession to switch your career mainstream area. This TensorFlow course can easily be learned and the basic core concepts can be grasped easily which does not need any pre-requisites in the area of computer science basics or advanced technical areas.



Frequently Asked Questions

Will this TensorFlow certification provide any benefit/advantage and value to my profession?

Yes, this TensorFlow course is an advantageous and beneficial course for your career in many terms which provides a greater value to your profession in terms of the deep learning or machine learning core concepts and to the profession that includes an extra verifiable certification from the Edu CBA Academy which is a benefit in the professional arena to obtain further responsible roles in the profession.

Is this TensorFlow training a good one to learn about Machine Learning or Deep Learning techniques and tools in order to prepare for any job interview?

Yes, this TensorFlow course is a good course to learn the latest Deep learning techniques or Machine Learning tools or techniques in order to prepare for a job interview. Any knowledge of statistics or mathematics or any programming language is also recommended which is highly beneficial to master the contents of this course. This TensorFlow course needs a minimum of 15+ hours in order to complete.



Customer Reviews

“

The TensorFlow course is the very good one, to begin with, Machine Learning concept and Deep Learning concepts with the coverage of both basic and advanced core concepts such as Linear Regression, Data Analysis, Data processing, which are very well designed in the way of hands-on with good course contents. The number of courses related to Deep learning and its core concepts is well explained in a good way.

Joshua

”

The tools in this TensorFlow course are very comprehensive and contains complex mathematical or statistical or neural or deep learning subjects in a crisp manner. Deep learning topics are well articulated that makes the life of learner easy to understand the complex subjects.

Namina Mukherjee



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TensorFlow Course

For Queries please contact:

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