



Mindluster Platform

## About the course Vertex AI for tabular data basics

Vertex AI for tabular data course, in this course we will learn about Vertex AI for Tabular Data, focusing on the essential techniques and tools to manage and analyze structured datasets using Google's Vertex AI platform. Vertex AI is a powerful machine learning service that enables users to build, deploy, and scale models efficiently, particularly when working with tabular data. The course covers key topics such as data preprocessing, feature engineering, and selecting appropriate machine learning algorithms tailored for tabular datasets. You'll explore how to use Vertex AI's tools for training and evaluating models, automating machine learning workflows, and deploying models to production environments. Additionally, the course will guide you through best practices for data management, including data cleaning, normalization, and dealing with missing values. You'll also learn how to optimize models for better performance and interpret the results effectively.

**Artificial Intelligence Category's Courses**

## Course Lesson(27)

Lesson 1 : [Create Text Embeddings for a Vector Store using LangChain GSP1233](#)

Lesson 2 : [Vertex AI Qwik Start GSP917](#)

Lesson 3 : [Vertex AI Workbench Notebook Qwik Start GSP076](#)

Lesson 4 : [Getting Started with the Vertex AI Gemini API and Python SDK GSP1209](#)

Lesson 5 : [Vertex AI Tabular Data Qwik Start GSP1067](#)

Lesson 6 : [Machine Learning with TensorFlow in Vertex AI GSP273](#)

Lesson 7 : [Getting Started with the Vertex AI Gemini API with cURL GSP1228](#)

Lesson 8 : [Process Documents with Python Using the Document AI API GSP925](#)

Lesson 9 : [Using Gemini for Multimodal Retail Recommendations GSP1230](#)

Lesson 10 : [Multimodality with Gemini GSP1210](#)

Lesson 11 : [Vertex Pipelines Qwik Start GSP965](#)

Lesson 12 : [Identify Damaged Car Parts with Vertex AutoML Vision GSP972](#)

Lesson 13 : [Predict Baby Weight with TensorFlow on Vertex AI GSP013](#)

Lesson 14 : [Identify Horses or Humans with TensorFlow and Vertex AI GSP634](#)

Lesson 15 : [TFX on Google Cloud Vertex AI Pipelines GSP1023](#)

Lesson 16 : [Introduction to Function Calling with Gemini GSP1227](#)

Lesson 17 : [Vertex AI PaLM API Qwik Start GSP1155](#)

Lesson 18 : [Multimodal Retrieval Augmented Generation RAG using the Vertex AI Gemini API GSP1231](#)

Lesson 19 : [Using Gemini in Education GSP1232](#)

Lesson 20 : [Deploy a Streamlit App Integrated with Gemini Pro on Cloud Run GSP1229](#)

Lesson 21 : [Safeguarding with Vertex AI Gemini API](#)

Lesson 22 : [Running Distributed TensorFlow using Vertex AI GSP971](#)

Lesson 23 : [Integrate Search in Applications using Vertex AI Agent Builder GSP1152](#)

Lesson 24 : [Explore and Evaluate Models using Model Garden GSP1166](#)

Lesson 25 : [Classify Images with TensorFlow Convolutional Neural Networks GSP633](#)

Lesson 26 : [Introduction to Convolutions with TensorFlow GSP632](#)

Lesson 27 : [Classify Images of Cats and Dogs using Transfer Learning GSP900](#)

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