# PROFESSIONAL-MACHINE-LEARNING-ENGINEER Q&As

Professional Machine Learning Engineer

## Pass Google PROFESSIONAL-MACHINE-LEARNING-ENGINEER Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

**https://www.pass4itsure.com/professional-machine-learning-engineer.html**

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Google Official Exam Center

**QUESTION 1**

You are building an ML model to predict trends in the stock market based on a wide range of factors. While exploring the data, you notice that some features have a large range. You want to ensure that the features with the largest magnitude don\\'t overfit the model. What should you do?

A. Standardize the data by transforming it with a logarithmic function.

B. Apply a principal component analysis (PCA) to minimize the effect of any particular feature.

C. Use a binning strategy to replace the magnitude of each feature with the appropriate bin number.

D. Normalize the data by scaling it to have values between 0 and 1.

Correct Answer: A

https://developers.google.com/machine-learning/data-prep/transform/normalization

**QUESTION 2**

You need to design a customized deep neural network in Keras that will predict customer purchases based on their purchase history. You want to explore model performance using multiple model architectures, store training data, and be able to compare the evaluation metrics in the same dashboard. What should you do?

A. Create multiple models using AutoML Tables.

B. Automate multiple training runs using Cloud Composer.

C. Run multiple training jobs on AI Platform with similar job names.

D. Create an experiment in Kubeflow Pipelines to organize multiple runs.

Correct Answer: D

https://www.kubeflow.org/docs/about/use-cases/

**QUESTION 3**

You recently joined a machine learning team that will soon release a new project. As a lead on the project, you are asked to determine the production readiness of the ML components. The team has already tested features and data, model development, and infrastructure. Which additional readiness check should you recommend to the team?

A. Ensure that training is reproducible.

B. Ensure that all hyperparameters are tuned.

C. Ensure that model performance is monitored.

D. Ensure that feature expectations are captured in the schema.

Correct Answer: C

https://developers.google.com/machine-learning/testing-debugging/pipeline/deploying
https://developers.google.com/machine-learning/testing-debugging/pipeline/production

**QUESTION 4**

You are an ML engineer at a manufacturing company. You need to build a model that identifies defects in products based on images of the product taken at the end of the assembly line. You want your model to preprocess the images with lower computation to quickly extract features of defects in products. Which approach should you use to build the model?

A. Reinforcement learning

B. Recommender system

C. Recurrent Neural Networks (RNN)

D. Convolutional Neural Networks (CNN)

Correct Answer: D

https://developers.google.com/machine-learning/practica/image-classification/convolutional-neural-networks

**QUESTION 5**

You are working on a Neural Network-based project. The dataset provided to you has columns with different ranges. While preparing the data for model training, you discover that gradient optimization is having difficulty moving weights to a good solution. What should you do?

A. Use feature construction to combine the strongest features.

B. Use the representation transformation (normalization) technique.

C. Improve the data cleaning step by removing features with missing values.

D. Change the partitioning step to reduce the dimension of the test set and have a larger training set.

Correct Answer: B

https://developers.google.com/machine-learning/data-prep/transform/transform-numeric