



Question 11 (Single Topic)



You are designing an ML recommendation model for shoppers on your company's ecommerce website. You will use Recommendations AI to build, test, and deploy your system. How should you develop recommendations that increase revenue while following best practices?

- A. Use the "Other Products You May Like" recommendation type to increase the click-through rate.
- B. Use the "Frequently Bought Together" recommendation type to increase the shopping cart size for each order.
- C. Import your user events and then your product catalog to make sure you have the highest quality event stream.
- D. Because it will take time to collect and record product data, use placeholder values for the product catalog to test the viability of the model.

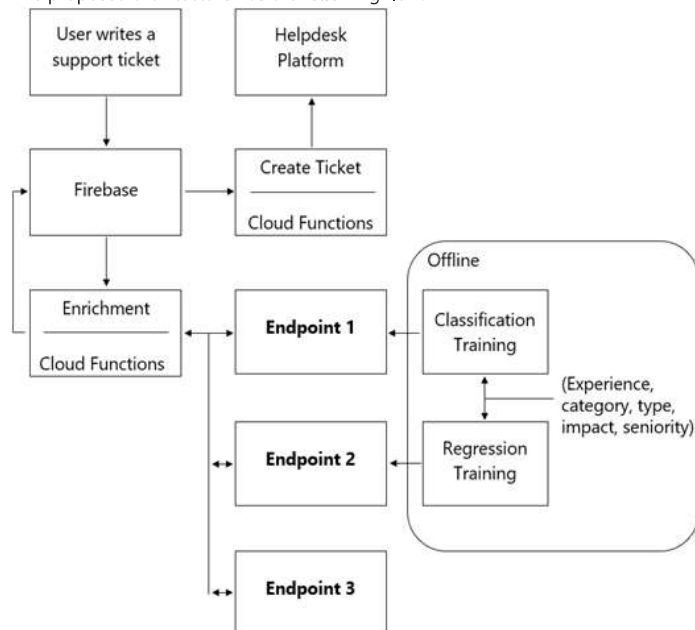
Expose Correct Answer

Question 12 (Single Topic)



You are designing an architecture with a serverless ML system to enrich customer support tickets with informative metadata before they are routed to a support agent. You need a set of models to predict ticket priority, predict ticket resolution time, and perform sentiment analysis to help agents make strategic decisions when they process support requests. Tickets are not expected to have any domain-specific terms or jargon.

The proposed architecture has the following flow:



Which endpoints should the Enrichment Cloud Functions call?

- A. 1 = AI Platform, 2 = AI Platform, 3 = AutoML Vision
- B. 1 = AI Platform, 2 = AI Platform, 3 = AutoML Natural Language
- C. 1 = AI Platform, 2 = AI Platform, 3 = Cloud Natural Language API
- D. 1 = Cloud Natural Language API, 2 = AI Platform, 3 = Cloud Vision API

Expose Correct Answer

Question 13 (Single Topic)



You have trained a deep neural network model on Google Cloud. The model has low loss on the training data, but is performing worse on the validation data. You want the model to be resilient to overfitting. Which strategy should you use when retraining the model?

- A. Apply a dropout parameter of 0.2, and decrease the learning rate by a factor of 10.

- B. Apply a L2 regularization parameter of 0.4, and decrease the learning rate by a factor of 10.
- C. Run a hyperparameter tuning job on AI Platform to optimize for the L2 regularization and dropout parameters.
- D. Run a hyperparameter tuning job on AI Platform to optimize for the learning rate, and increase the number of neurons by a factor of 2.

Expose Correct Answer

Question 14 (Single Topic)



You built and manage a production system that is responsible for predicting sales numbers. Model accuracy is crucial, because the production model is required to keep up with market changes. Since being deployed to production, the model hasn't changed; however the accuracy of the model has steadily deteriorated.

What issue is most likely causing the steady decline in model accuracy?

- A. Poor data quality
- B. Lack of model retraining
- C. Too few layers in the model for capturing information
- D. Incorrect data split ratio during model training, evaluation, validation, and test

Expose Correct Answer

Question 15 (Single Topic)



You have been asked to develop an input pipeline for an ML training model that processes images from disparate sources at a low latency. You discover that your input data does not fit in memory. How should you create a dataset following Google-recommended best practices?

- A. Create a `tf.data.Dataset.prefetch` transformation.
- B. Convert the images to `tf.Tensor` objects, and then run `Dataset.from_tensor_slices()`.
- C. Convert the images to `tf.Tensor` objects, and then run `tf.data.Dataset.from_tensors()`.
- D. Convert the images into `TFRecords`, store the images in Cloud Storage, and then use the `tf.data` API to read the images for training.

Expose Correct Answer

Page: 3 / 31
Total 159 questions



Previous Page

Next Page



10 questions per page ▼