

Create ML Models with BigQuery ML

Fundamental 6 Steps 7 hours 34 Credits

Earn a **skill badge** by completing the **Create ML Models with BigQuery ML** quest, where you learn how to use BigQuery ML to: create machine learning models, create a classification model, create a forecasting model, and implement a chatbot using Dialogflow for dynamic real-time responses.

A skill badge is an exclusive digital badge issued by Google Cloud in recognition of your proficiency with Google Cloud products and services and tests your ability to apply your knowledge in an interactive hands-on environment. Complete this skill badge quest, and the final assessment challenge lab, to receive a skill badge that you can share with your network.

Data Business Transformation Machine Learning

Prerequisites:

Prior to enrolling in this skill badge quest, it is recommended complete the [BigQuery Basics for Data Analysts](#) quest.

Quest Outline

[Getting Started with BQML](#)

In this lab you'll learn how to use BigQuery to create machine learning models for datasets to create a model that predicts whether a visitor will make a transaction.

45 minutes

Introductory

1 Credit

[Predict Visitor Purchases with a Classification Model in BQML](#)

In this lab you will use a newly available ecommerce dataset to run some typical queries that businesses would want to know about their customers' purchasing habits.

1 hour

Advanced

7 Credits

[Predict Taxi Fare with a BigQuery ML Forecasting Model](#)

In this lab you will explore millions of New York City yellow taxi cab trips available in a BigQuery Public Dataset, create a ML model inside of BigQuery to predict the fare, and evaluate the performance of your model to make predictions.

1 hour

Advanced

7 Credits

[Bracketology with Google Machine Learning](#)

In this lab you use Machine Learning (ML) to analyze the public NCAA dataset and predict NCAA tournament brackets.

1 hour

Fundamental

5 Credits

[Implement a Helpdesk Chatbot with Dialogflow & BigQuery ML](#)

In this lab you will train a simple machine learning model for predicting helpdesk response time using BigQuery Machine Learning.

1 hour

Fundamental

5 Credits

[Create ML Models with BigQuery ML: Challenge Lab](#)

This challenge lab tests your skills in developing and using machine learning models using BigQuery

1 hour 30 minutes

Expert

9 Credits

Quest Complete!

Congrats! You completed this quest and earned a badge. Become a cloud expert and start another.

