

(i)

Training-serving skew

Machine Learning

= Filter

Overview

Conclusion

■ Introduction

ML Problem Framing

■ Understand the problem

Framing an ML problem

■ Implementing a model

■ Summary and next steps

If any of the incoming features used for inference have values that fall outside the distribution range of the data used in training, you'll want to be alerted because it's likely the model will make poor predictions. For example, if your model was trained to predict temperatures for equatorial cities at sea level, then your serving system should alert you of incoming data with latitudes and longitudes, and/or altitudes outside the range the model was trained on. Conversely, the serving system should alert you if the model is making predictions that are outside the distribution range that was seen during training.

Inference server

If you're providing inferences through an RPC system, you'll want to monitor the RPC server itself and get an alert if it stops providing inferences.

Next Previous Framing an ML problem Summary and next steps -> Was this helpful? Send feedback

Except as otherwise noted, the content of this page is licensed under the Creative Commons Attribution 4.0 License, and code samples are licensed under the Apache 2.0 License. For details, see the Google Developers Site Policies. Java is a registered trademark of Oracle and/or its affiliates.

Last updated 2025-05-08 UTC.

Connect	Programs	Developer consoles
Blog	Google Developer Groups	Google API Console
Instagram	Google Developer Experts	Google Cloud Platform Console
LinkedIn	Accelerators	Google Play Console
X (Twitter)	Women Techmakers	Firebase Console
YouTube	Google Cloud & NVIDIA	Actions on Google Console
		Cast SDK Developer Console
		Chrome Web Store Dashboard
		Google Home Developer Console

Chrome

Android

Firebase

Google Cloud Platform Google Al

All products

Terms | Privacy

Sign up for the Google for Developers newsletter

Subscribe

