14. Train in the cloud on powerful hardware: AI Platform

1.Install GCP Cloud SDK

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2. Created a cloud project in GCP name Jocelyn-baduria-hw1p2

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3.Successfully submit the jobs sample from mlengine tutorial in AI Platform using this command:

Olens-Macbook-Air:mlengine jocelynbaduria$ gcloud ai-platform jobs submit training joba1\_ --job-dir gs://jocelyn\_baduria\_hw\_part2\_mnist//jobs/joba1\_ --project jocelyn-baduria-hw1p2 --config config.yaml --module-name trainer.task --package-path trainer --runtime-version 1.15

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See link: <https://console.cloud.google.com/storage/browser/jocelyn_baduria_hw_part2_mnist/%2Fjobs/joba1_?authuser=1&project=jocelyn-baduria-hw1p2>

4.Created AI Platform CNN model

Olens-Macbook-Air:mlengine jocelynbaduria$ gcloud ai-platform models create cnn\_model

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Graphical user interface, text, application, email

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5. Predict the model

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Conclusion:

This tutorial caused some error on the last part which is prediction. The model was successfully trained but to view the prediction of the model did not succeed. It needs to be updated with the latest version so it can be used for AI-Platform not ml-engine. The version that works in this tutorial is an old version of tensorflow 1.15 not even the latest version 1.4.