Build a Model with Google AutoML

REVIEW | HISTORY

Meets Specifications

Hello there,

Congratulations on finishing the project 🎉

This was a brilliant submission. The work was exceptional! You did a great job and should be proud of yourself. After reviewing this submission, I am impressed and satisfied with the effort and understanding put in to make this project a success. All the requirements have been met successfully 💯 %

Keep doing the great work and all the best for future project.

Submission is Complete

- ✓ All questions in the AutoML Modeling Report have been completed. Screenshots of all 4 confusion matrices are included.

Clean/Balanced Data

- ✓ The student correctly reports the number of images used for training and testing.
- ✓ The student should explain the values observed in each of the four cells of the confusion matrix. The student correctly identifies the true positive rate for the "pneumonia" class and the false positive rate for the "normal" class.
  - Great work on previous suggestion!! Meets the specification.
- ✓ The student correctly explains the meaning of precision and recall, and they report the precision and recall they observed.
- ✓ The student correctly explains the effect of increasing the score threshold on precision and recall, and describes why.

Clean/Unbalanced Data

- ✓ The student should have used 400 images and correctly described how they are distributed between training and testing.
- ✓ The student describes how the confusion matrix changed relative to the clean/balanced model, and explains what potentially caused these results.
- ✓ The student reports the precision and recall they observed.
- ✓ The student should note how unbalanced data impacted the model based on what they observed.

Dirty/Balanced Data

- ✓ The student describes how the confusion matrix changed, and explains what potentially caused these results.

- ✓ The student describes how precision and recall changed in this model, and evaluates which binary classification model produced the highest precision and recall.
- ✓ The student provides a summary of what they observed and an appropriate interpretation of the impact of dirty data.

Three-Class Model

- ✓ The student provides and correctly interprets the 3-class confusion matrix. The student provides an idea for how to improve the model.
- ✓ The student reports their precision and recall, and correctly reports how 3-class precision and recall are calculated.
- ✓ The student correctly calculates the model's F1 score.

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