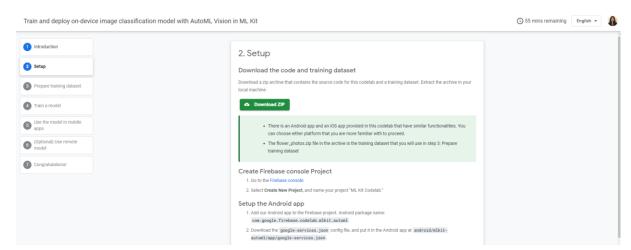
CMPE 258 ASSIGNMENT #2

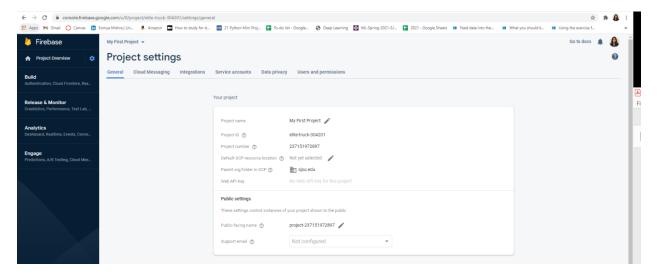
PART 2a:

Execute AutoML Vision and Timeseries Forecasting models

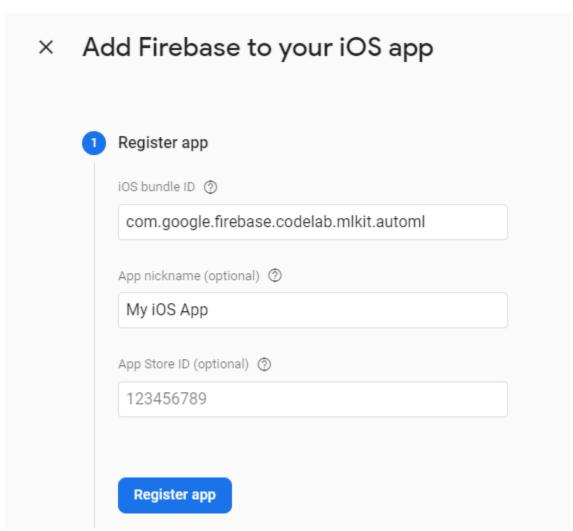
1. Downloading code and training dataset

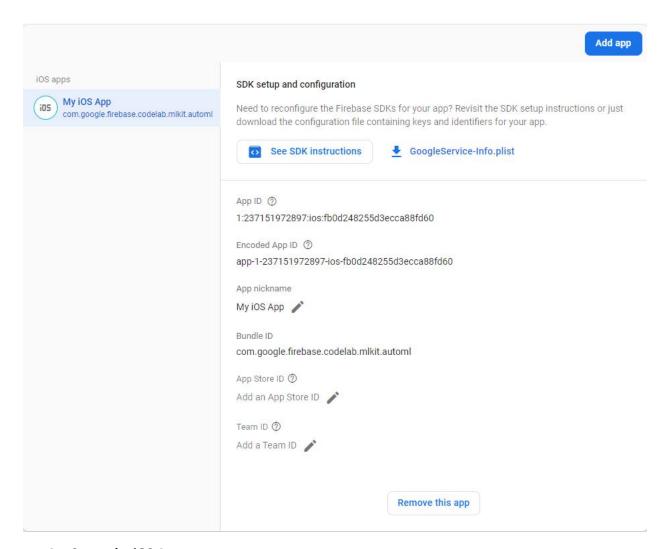


2. Creating Firebase console Project

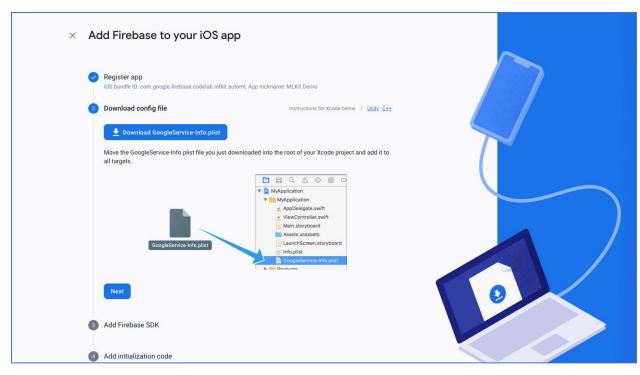


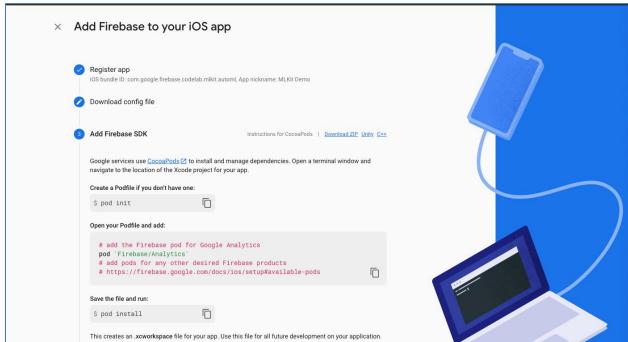
3. Adding Firebase to iOS



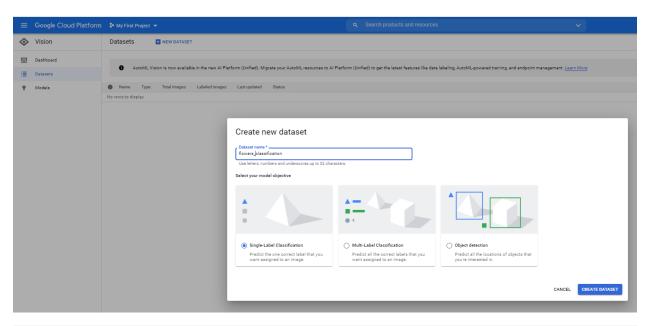


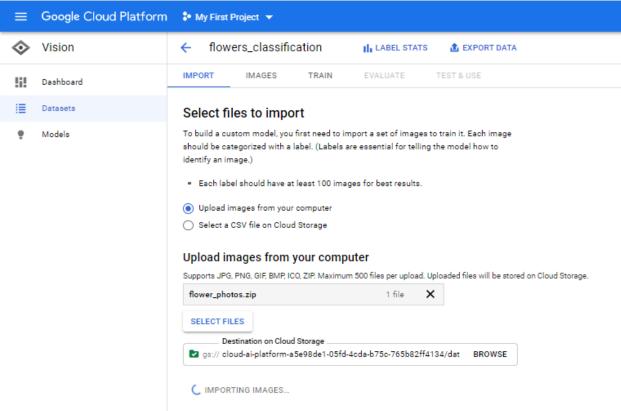
4. Setup the iOS App

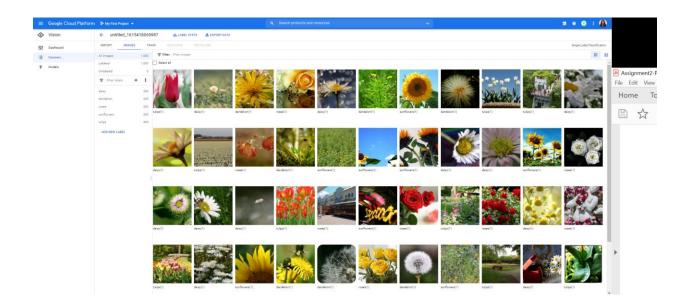


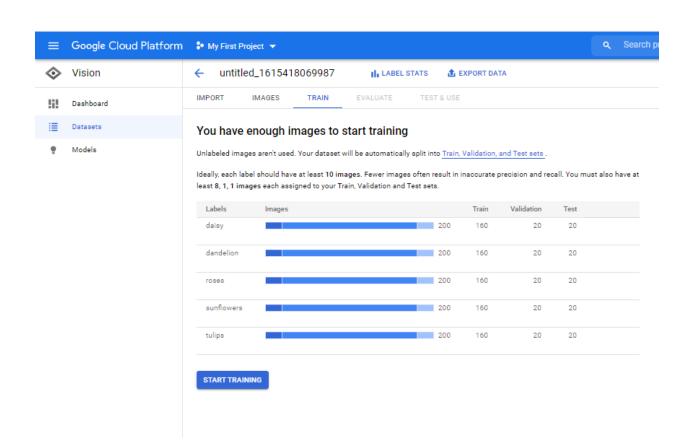


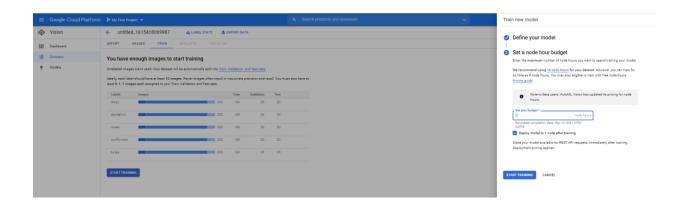
5. Preparing Training Dataset

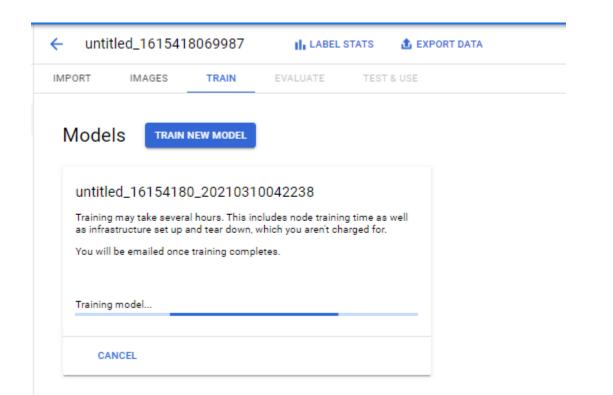


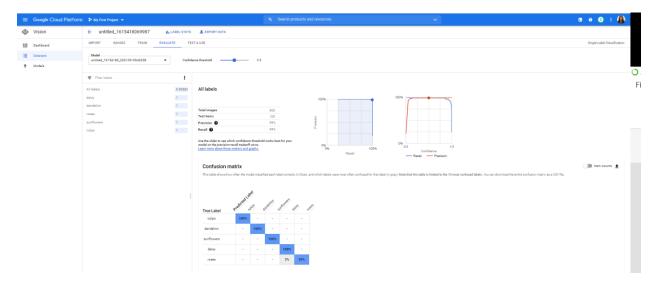




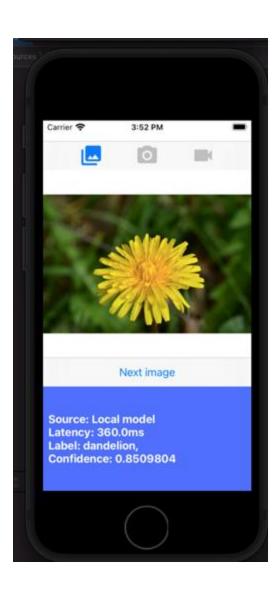


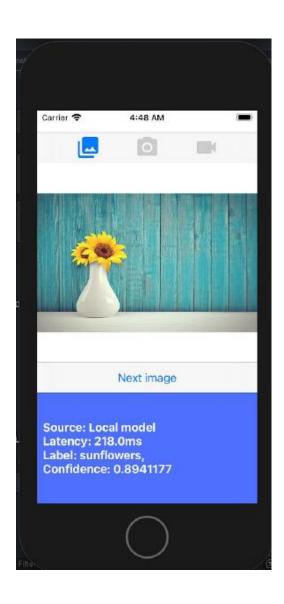






6. Run the MLVisionExample.app in XCode using IOS App Simulator

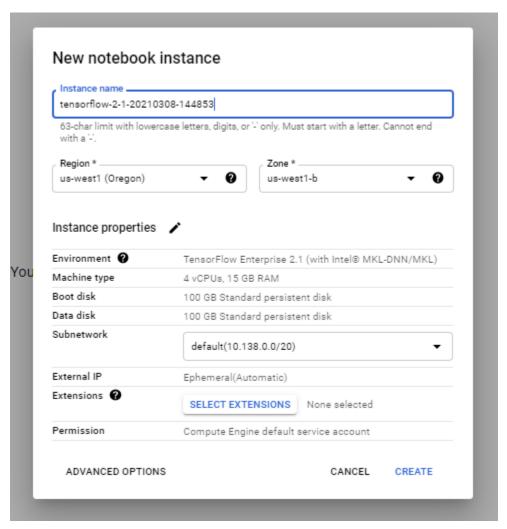




PART 2b

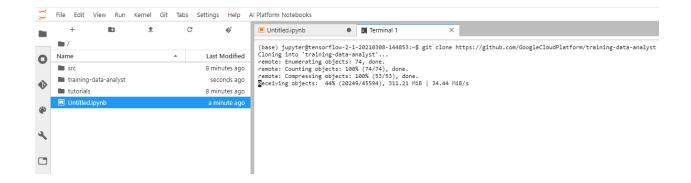
End to end deployment of a Vision Model using AutoML to mobile device

1. Setting up Notebook





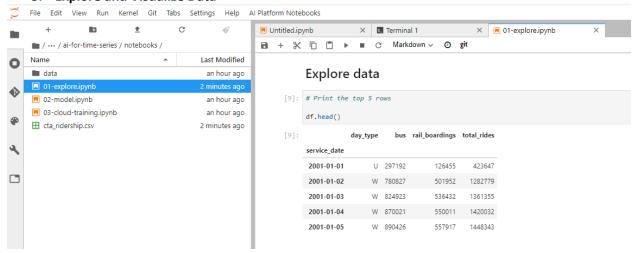
2. Downloading Lab Materials

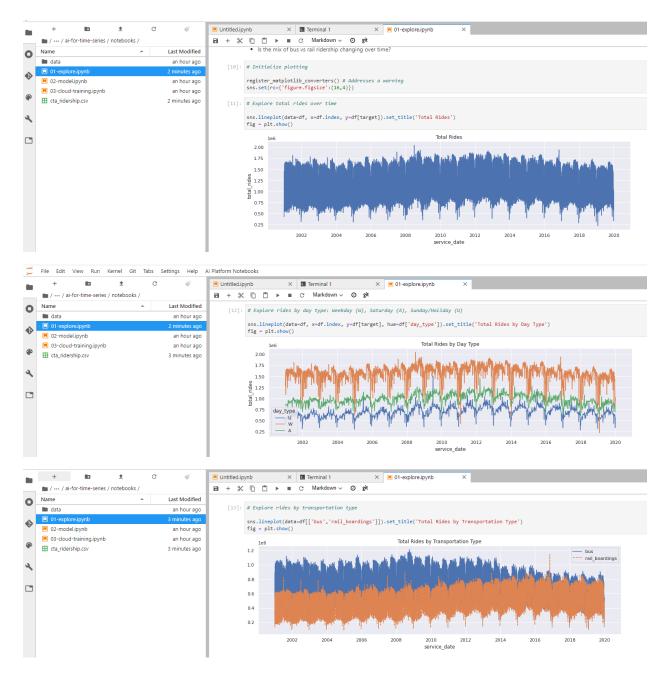


Al Platform Notebooks

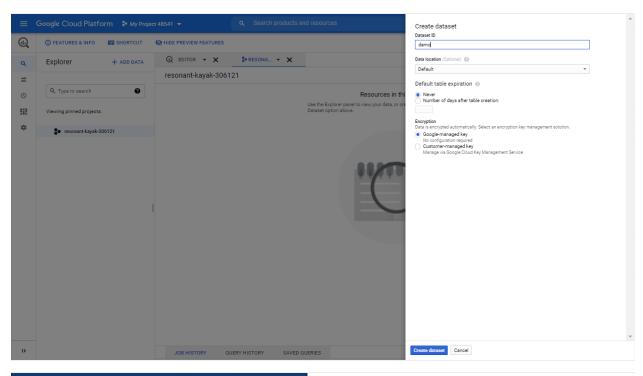


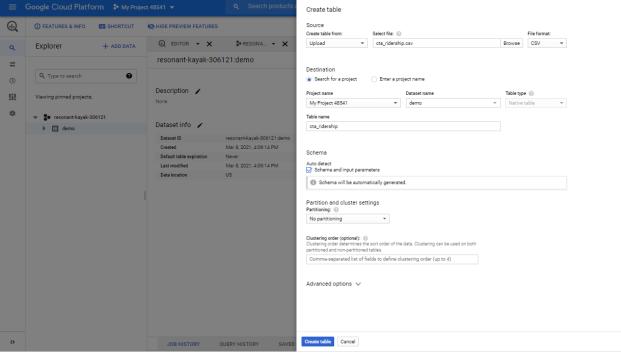
3. Explore and Visualize Data

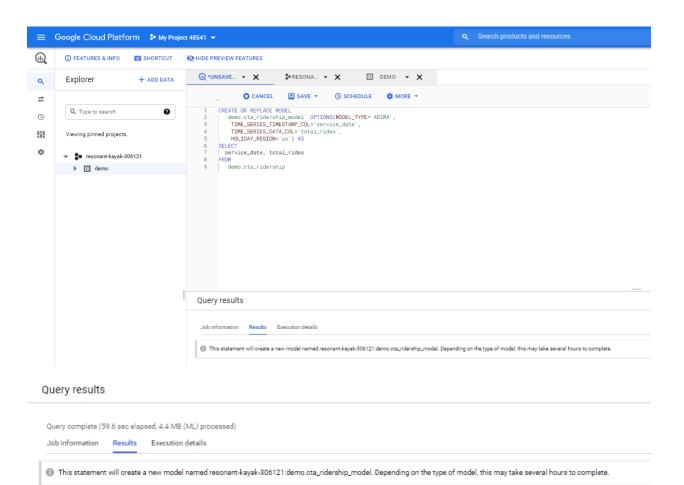


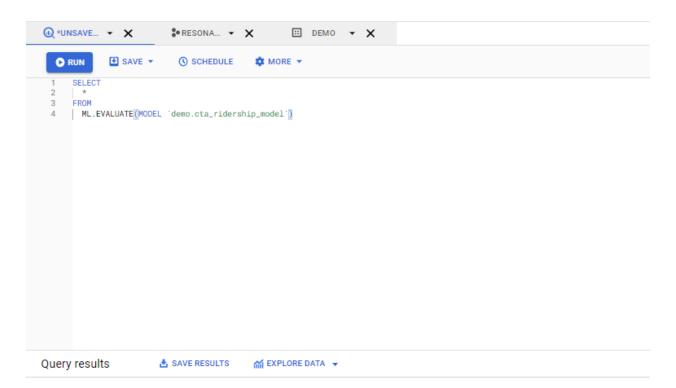


4. Creating a Model with BigQuery Time Series Forecasting









Query complete (0.2 sec elapsed, 0 B processed)

4

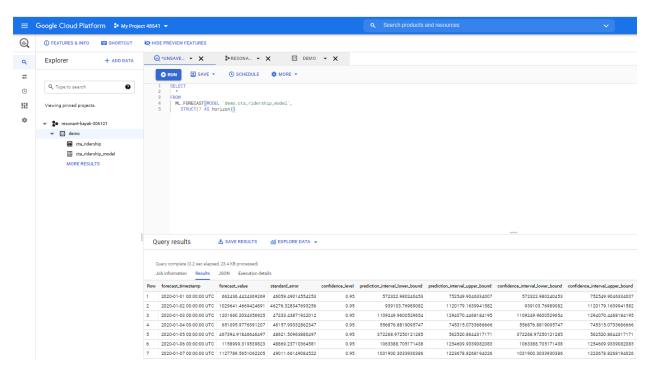
5

Job information Results JSON Execution details

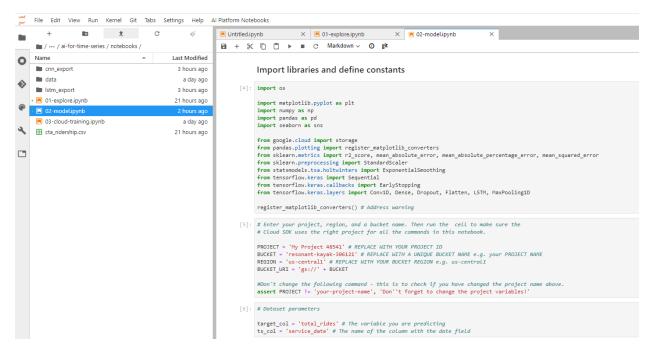
Row	non_seasonal_p	non_seasonal_d	non_seasonal_q	has_drift	log_likelihood	AIC	variance	seasonal_periods
1	1	1	4	true	-84343.91298029698	168701.82596059397	2.1214766324672794E9	WEEKLY
								YEARLY
2	1	1	4	false	-84345.76278035615	168703.5255607123	2.1226282591786644E9	WEEKLY
								YEARLY
3	4	1	1	true	-84346.86918283005	168707.7383656601	2.1232853081307085E9	WEEKLY
								YEARLY
4	1	1	3	true	-84347.97278479983	168707.94556959966	2.1239599007139666E9	WEEKLY

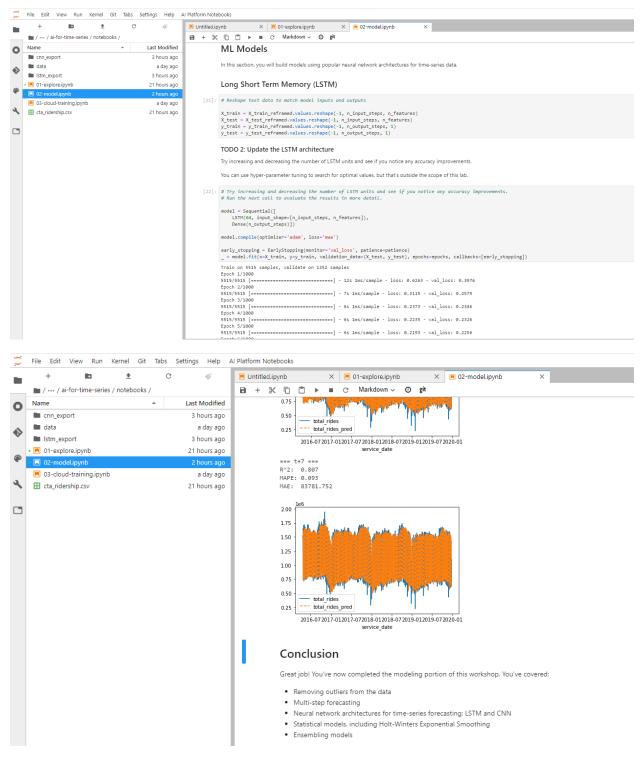
1 false -84348.83291975319 168709.66583950637 2.124511101972134E9 WEEKLY

YEARLY



5. Building a Custom Forecasting Model





Refer to notebooks 01-explore.ipynb, 02-model.ipynb and 03-cloud-training.ipynb checked in Github.