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Course : Capstone project of AI workflow - AI for production

**THE QUESTION**

Are there unit tests for the API?

Answer: API test is a part of unit testing because it is itself a unit of a complete software application. So the answer for this question is Yes.

Are there unit tests for the model?

Answer: No. the model don’t need dedicated model test because they will be tested indirectly many, many times.

Are there unit tests for the logging?

Answer: Logs in unit tests are bad practice. Insignificant, pointless, and clog the console output. Unit test logs slow your build, delivery, and development

Can all of the unit tests be run with a single script and do all of the unit tests pass?

Answer: I think it can but there will be making the program very complicated (complex) and hard to run. Eventhough it may be possible to run all of unit test in a single script

Is there a mechanism to monitor performance?

Answer: there are five steps of monitor performance you can do to your projrct

* Plan out your project
* Set clear goals for your project
* Create a steady check in schedule
* Record and analyze data
* Make changes to your goals if necessary

Was there an attempt to isolate the read/write unit tests from production models and logs?

Answer: yes there was. Unit test goals are to make the program easy to write, readable. Reliable. Fast, and truly unit or not integration

Does the API work as expected? For example, can you get predictions for a specific country as well as for all countries combined?

Answers: Yes, the API work as expected, the api can transfer the new prediction aboaut the model and test sample based on the training dataset.

Does the data ingestion exists as a function or script to facilitate automation?

Answers: Data ingestion exists as all shape that means it has many role inclusing a function about the data, script to parsing data, and collect the draining data set which is needed.

Were multiple models compared?

Answers: Multiple model comparison also known as cross model validation which is use multiple models constructed from the same training dataset and validated using the same varication dataset to find out the performance of the different models.

Did the EDA investigation use visualizations?

Answers: Yes, because Exporatory Data analysis (EDA) is a process describing the data by means of statistical and visualization techniques in order to bring important aspect of that data into ficus for further analysis.

Is everything containerized within a working Docker image?

Answer: No it is not. Multiple containers can run simultaneously, each based on the same or different images. Docker is similar to virtual machines in the way it creates multiple instances of an operating system

Did they use a visualization to compare their model to the baseline model?

Answers: yes, visualization of the metrics or the value of the result can make us more understand about the problem and decide where the model can be the best we can use.