Instructions

Overview

In this project you are asked to create an ML-service to solve any kind of task.

You should define the task you are going to solve. Task definition should contain input and output description, approach chosen to solve (model description), dataset for model training and runtime architecture for the resulting service.

You can publish your code on private GitHub repo.

Useful links: Datasets: http://kaggle.com/ Finished Models: https://paperswithcode.com/ GPU Learning (limited, but suitable for Learning Transfer): http://colab.research.google.com/ Recommended Models for Learning Transfer: text - BERT images - Big Transfer The project should be outgoing:

Review Criteria

1. Design document and dataset description - 1 point max

2. Model training code - 2 points max
2.1. Jupyter Notebook - 1 point
2.2. MLFlow project - 2 points
3. Dockerfile - 6 points max
3.1. docker-compose for full architecture
3.1.1. synchronous projects - 1 point
3.1.2. asynchronous project - 2 points
3.2. client
3.2.1. REST API / Telegram Bot - 1 point
3.2.2. HTML Frontend - 2 points
3.3. model
3.3.1. transfer learning - 1 point
3.3.2. trained from scratch - 2 points

Total: 9 points

Pass: 5 points

Excellent: 7 points