

Kaggle submission and method used

- Our team name on Kaggle is MLiP_Badger
- To get started we chose ARIMA. It is slightly more advanced than other baselines and it is possible to try different versions of this model. Information about seasonality and other features can be added too (SARIMA)
- By now we made one submission with the prediction made with Sarima model. We used the implementation from [statsmodels](#) Python module – SARIMAX function. The choice of parameters – P, D, Q and seasonal periodicity – is non-trivial and for now, we chose it arbitrary. We are looking into the methods to choose parameters for a model.
- We got public score 1.08216
- This helped to figure out how to default Kaggle submission works (not from a notebook). The submission was made via Kaggle API

Questions

- This challenge seems to require more understanding of theory than the previous one. What would you advise about the best way to approach it? Is it a good idea to devote a couple of weeks to studying theory and only then start to implement methods more advanced than baseline?
- We would like to receive a better grade for this challenge than for the previous one. We understood the main problems with our approach from the feedback and will try to improve our work. Nevertheless, we want to know what the main evaluation criteria are and what is considered good/ very good work for the course?
- Will tackling both competitions increase the grade?
- For the first challenge one of the received comments was “Work mainly based on existing Kaggle kernels”. We disagree with this since data generation + augmentation code is our own and also for the tried architectures we wrote the code ourselves. Loading of the data, images cropping, processing in batches for prediction and submission are taken from existing kernels, but isn't it a good idea not to spend time on writing boilerplate code?
- Another comment was that the passed code could be documented better. From our point of view, the comments were rather detailed. Can we get more specific requirements of how the code should be documented?
- How important is the score on the Kaggle leaderboard?
- How do we build on each other work without blocking each other?