**What metrics would you monitor to ensure that model works good?**

1. Predictive power of model over time
2. Reproducibility
3. Kolomogorov Smirnov chart
4. Gini coefficients
5. AUC-RUC
6. Rsquared/Adjusted Rsquared
7. Confusion matrix – precison, accuracy, sensitivity, and specificity

**What is great about your system?**

1. Sentiment analysis file 2 has over 90% accuracy rate, higher than original paper findings

2. You can manipulate code easily due simplicity – created by the use of functions

**What issues need to be addressed?**

1. Predict function is not accurate at the moment
2. Standardising code – pipeline
3. How to ensure that the model does not lose its predictive power over time?
4. How to keep track of all released models life cycle?

**Problems with productionalising ml**:

1. Choice of ml library
2. Reproducing results
3. Tracking models
4. Reviewing models
5. Deploying models
6. Tracking experiments
7. Measuring decay

**What would you do next if you had more time?**

1) Create a pipeline that guarantees its standardisation, transparency, reproducibility and reliable evaluation.

2) ML pipeline for retraining and modeling in batches (after every number of reviews)

3) Add assert test methods for unit testing to cover boundary cases

4) Deploy it on the cloud

5) Visualising the variation of the predictive power over time using something like Kibana – an open source data visualisation dash board.