**Course recommendation system**

The model analysed in this card recommends the courses to students registered with the online course provider. The model goal is comparing several approaches. Currently the models only work with students who takes at least one course and were added to database. The model can be transfer to an app and the code can be used to retrain the model and provide recommendations for new entries.

**Input**: student id (integer), student profile (scores for each key word), list of the available courses (titles, description, kew words)

**Output**: List of 10 recommended courses

**Model architecture**:

1. Content based: Bow-analysis
2. Profile based method – similarity of user profile and course profile
3. Clustering based – K-mean clustering approach

**Performance measurement**:

The recommendation system at this stage of the development doesn’t have any performance measurement. But at further stages, when it goes live, the percentage of the ‘successful” recommendation (the courses were viewed/enrolled/completed) can be considered as a performance metrics.