* **Project Goal**: Build a recommender engine for Books using Book-Crossing datasets and apply variations of Matrix factorization/collaborative filtering to understand pros/cons of each of them.
* **Questions to be answered**:
  + Build an efficient recommender system for books
  + Which features are predictive for customer ratings? How to minimize mean squared error?
  + Do cover images of books have any influence on higher recommendation?
  + Which variation of matrix factorization is effective to solve this problem?
* **Data:**
  + Book Crossing data available on <http://www2.informatik.uni-freiburg.de/~cziegler/BX/>
* From my experience, I have applied various machine learning methods to predict continuous or binary classification type of problems. The problems are related to using structured financial and credit data. My goal is to be better at using Python for machine learning, learn how to develop recommender system using matrix factorization and learning image analysis out of the project.