The aim of the project was to implement from scratch and perform an experiment that would compare the most common validity criterias for community clustering algorithms and, using implemented metrics, compare several clustering algorithms. The core experiment has been done at university of Alberta and writen down in an article titled "Relative Validity Criteria for Community Mining Algorithm". Compared mining algorithms include particular implementations from Jung and JavaML libraries. The project was written and tested in java. The presentation below describes whole process of the experiment along with it's results.