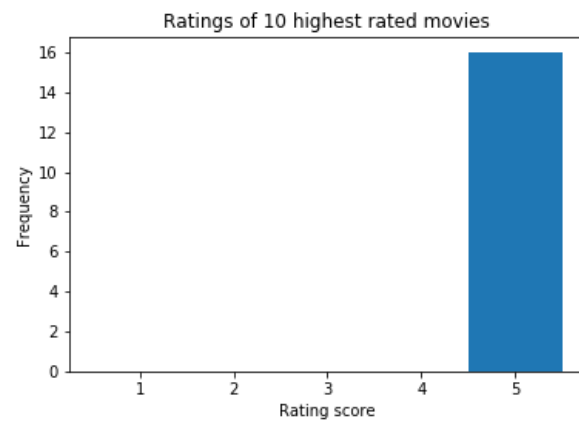
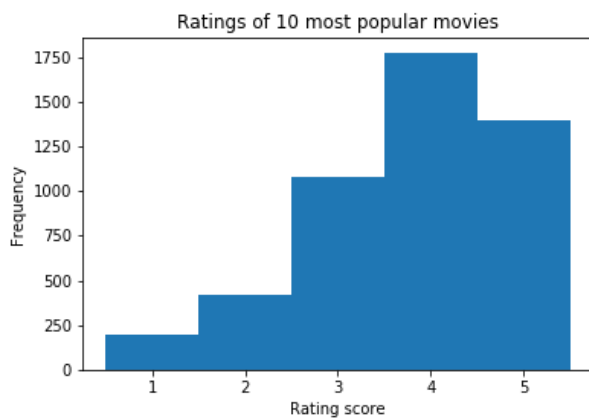
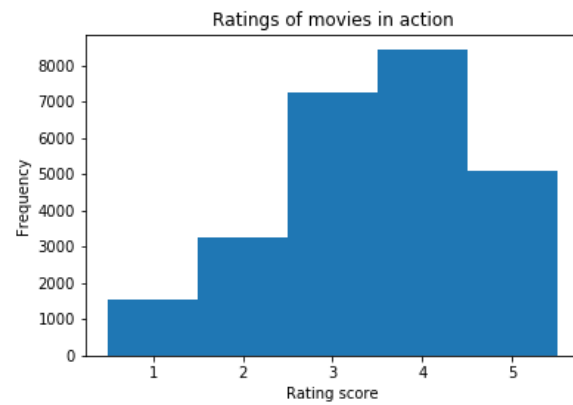
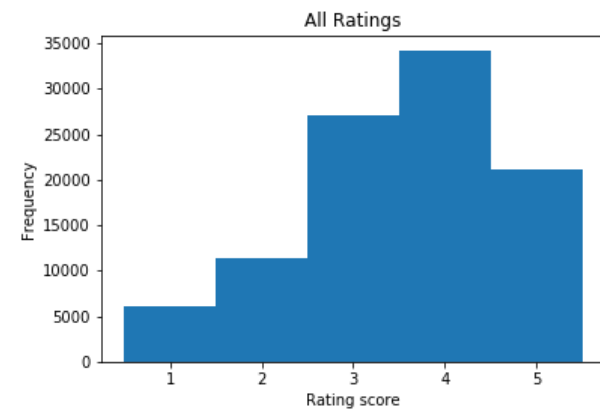


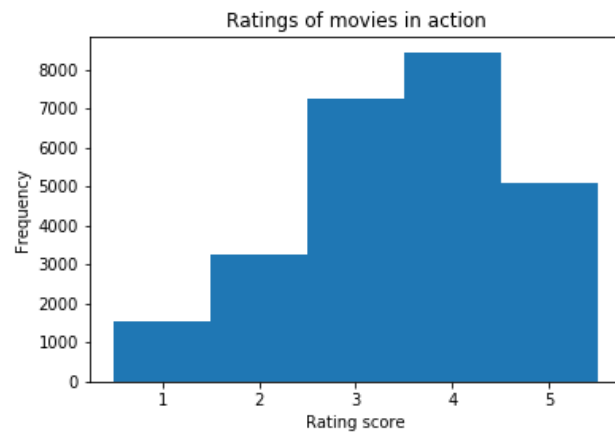
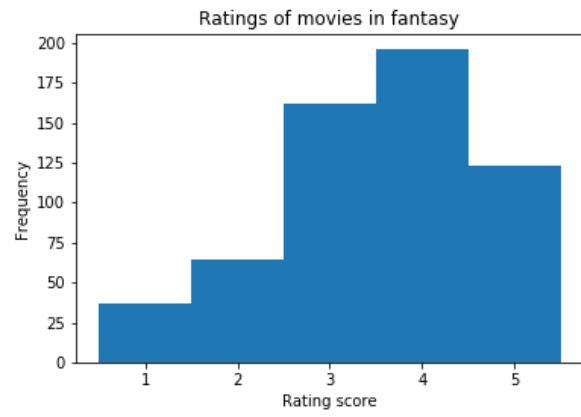
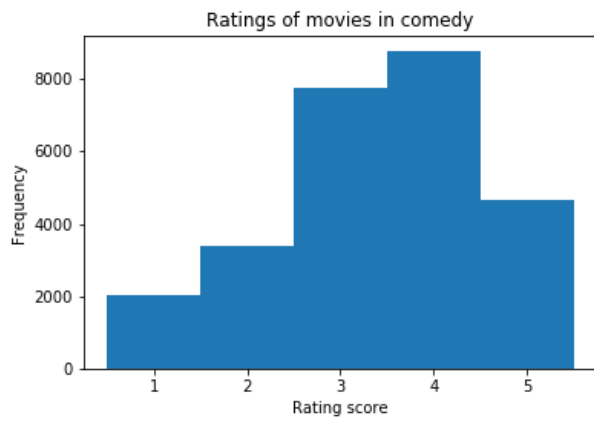
Project 2

Team name: mLisMypAsSioN

Team members: Ayan Bandyopadhyay, Sarah Kreider, Jieni Li

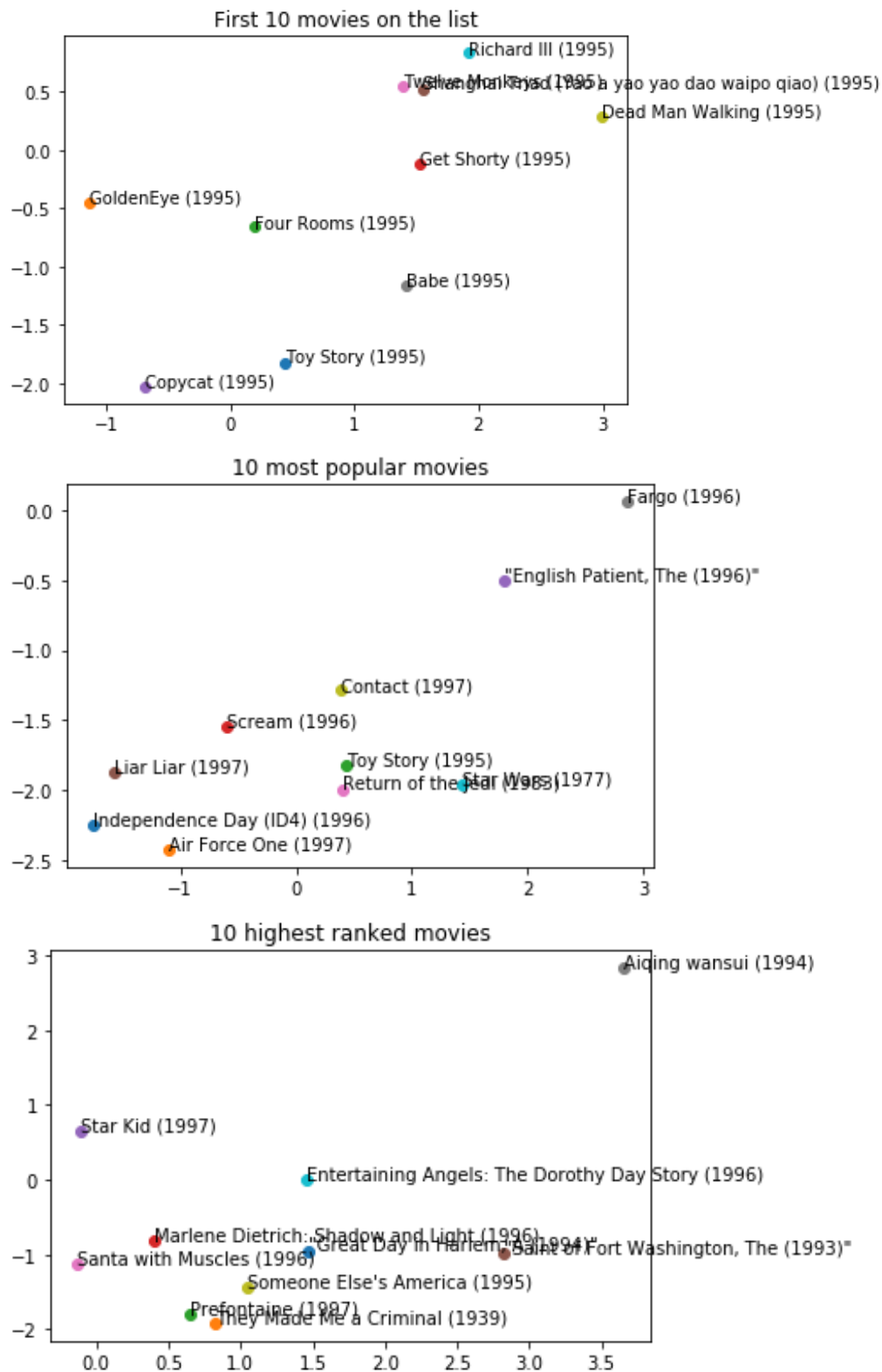
I. Basic visualizations

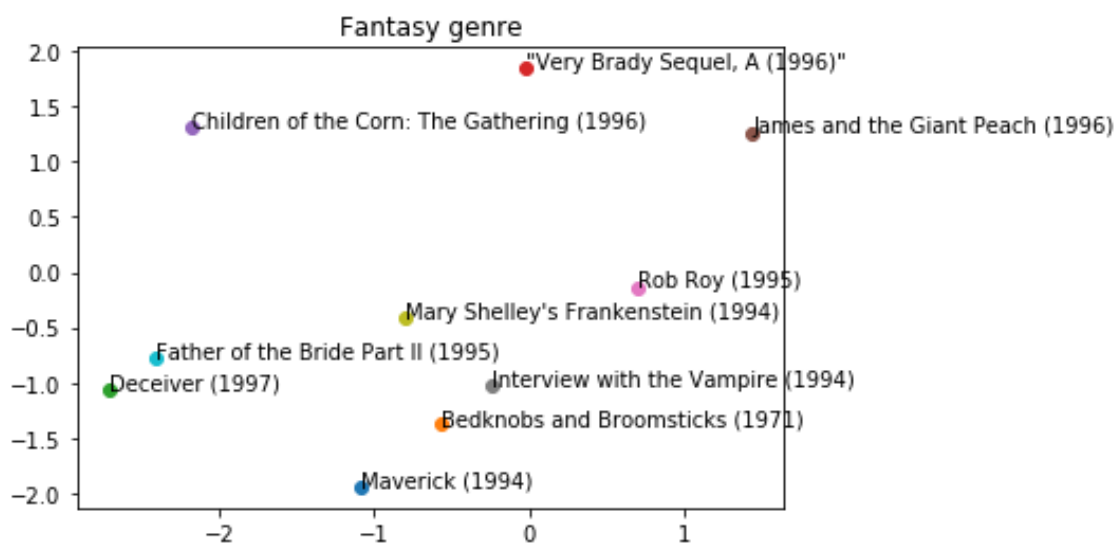
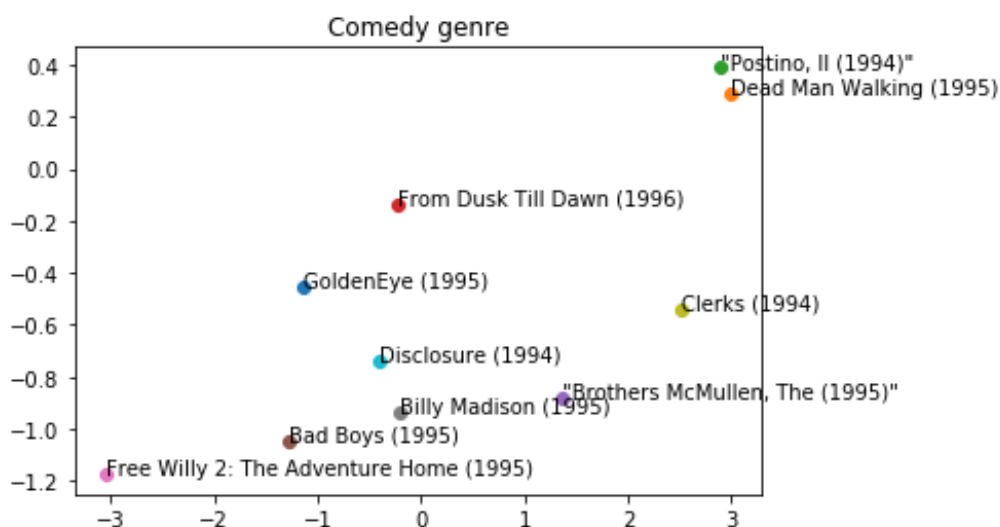
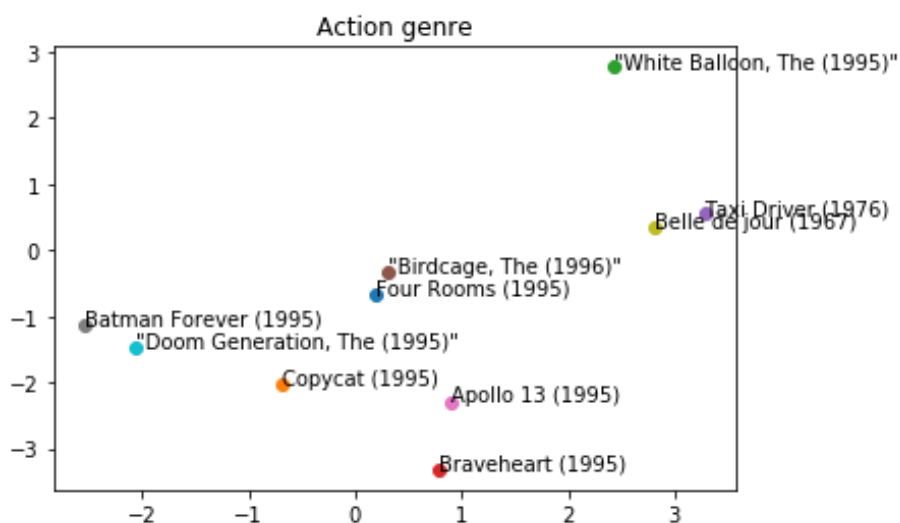




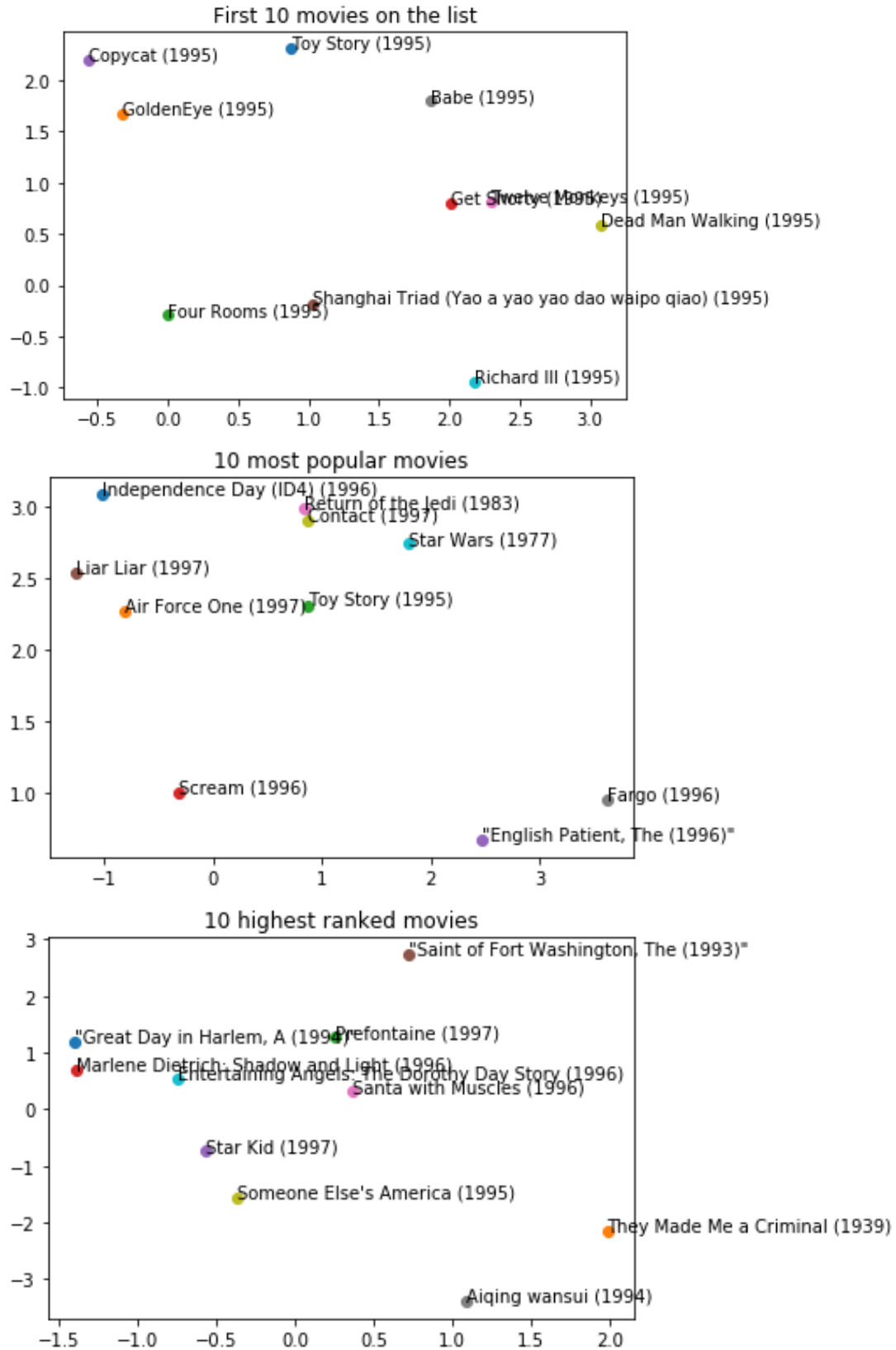
II. Matrix Factorization Visualizations

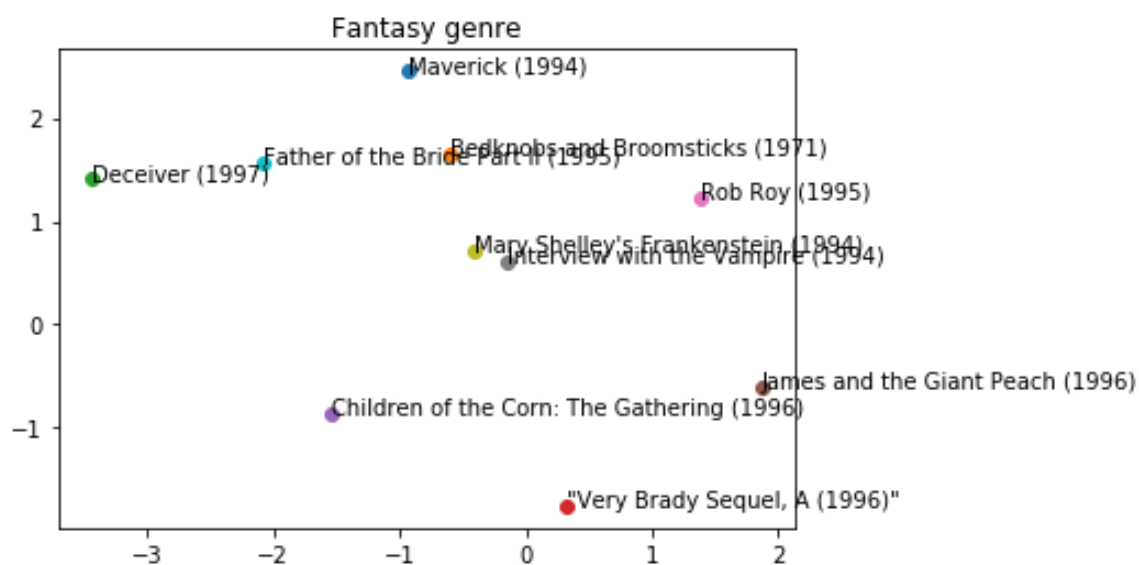
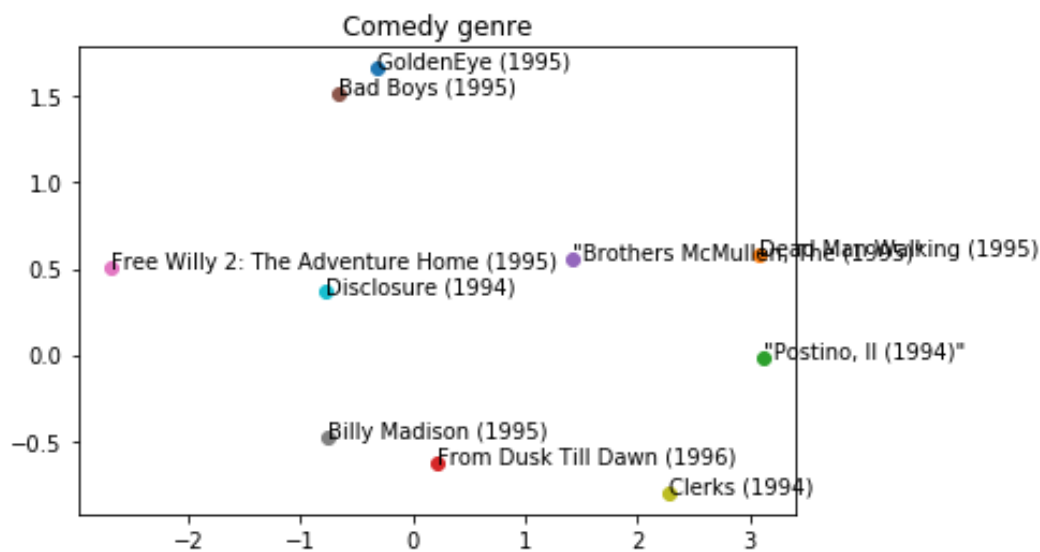
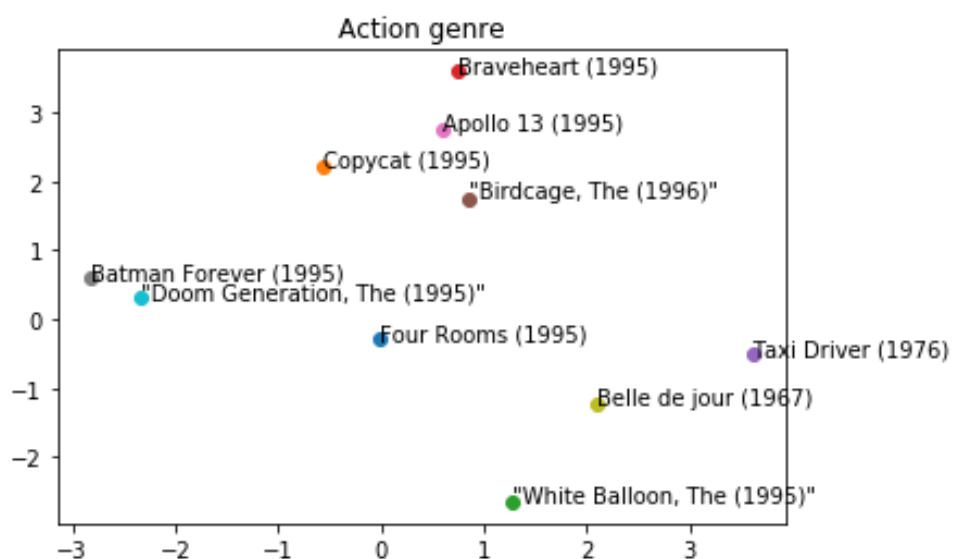
Method 1: Implementation without bias terms





Method 2: Implementation with biases for each use and movie





Method 3: Off the shelf SVD (scipy)

