

PIG

```
ratings = LOAD '/user/maria_dev/ml-100k/u.data' AS (userID:int, movieID:int,
rating:int, ratingTime:int);
metadata = LOAD '/user/maria_dev/ml-100k/u.item' USING PigStorage('|')
    AS (movieID:int, movieTitle:chararray, releaseDate:chararray,
videoRealese:chararray, imdblink:chararray);

nameLookup = FOREACH metadata GENERATE movieID, movieTitle,
    ToUnixTime(ToDate(releaseDate, 'dd-MMM-yyyy')) AS releaseTime;

ratingsByMovie = GROUP ratings BY movieID;
avgRatings = FOREACH ratingsByMovie GENERATE group as movieID, AVG(ratings.rating) as
avgRating;
fiveStarMovies = FILTER avgRatings BY avgRating > 4.0;
fiveStarsWithData = JOIN fiveStarMovies BY movieID, nameLookup BY movieID;
oldestFiveStarMovies = ORDER fiveStarsWithData BY nameLookup::releaseTime;
DUMP oldestFiveStarMovies;
```