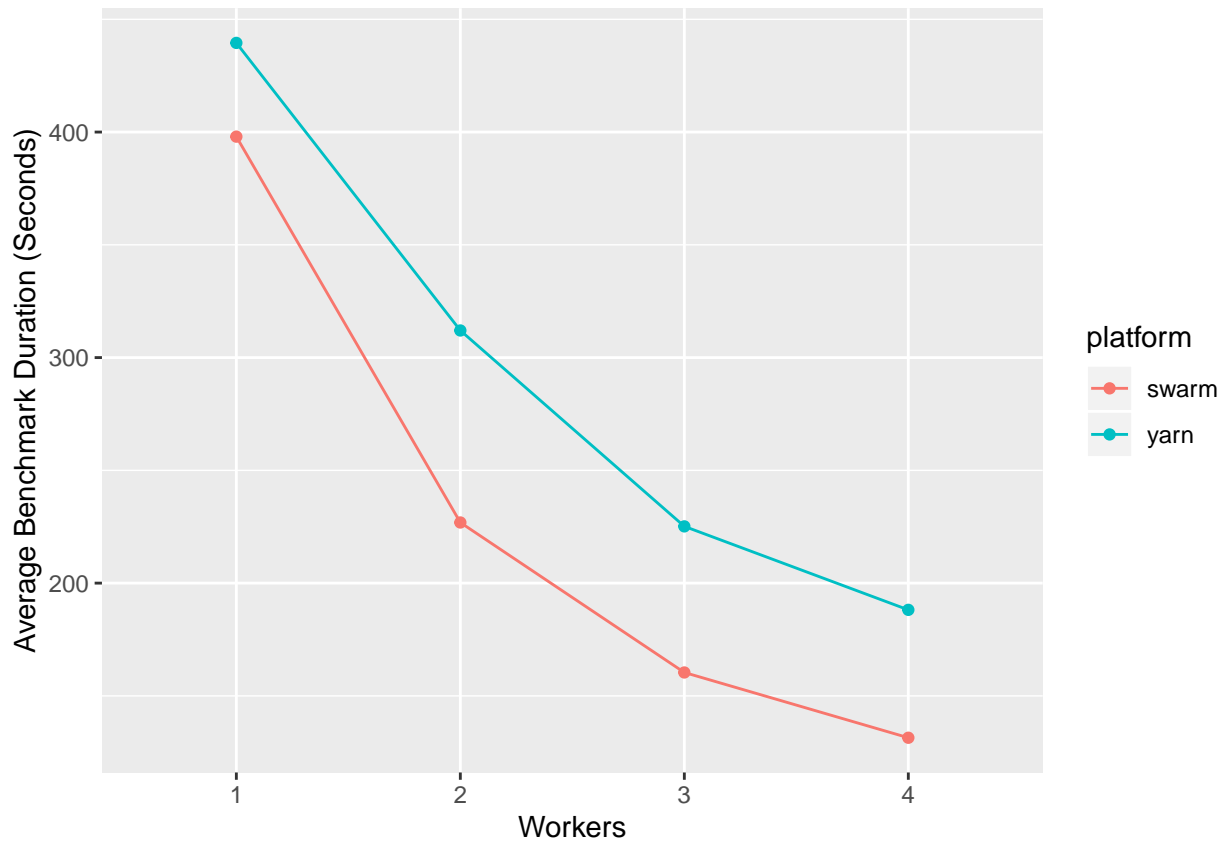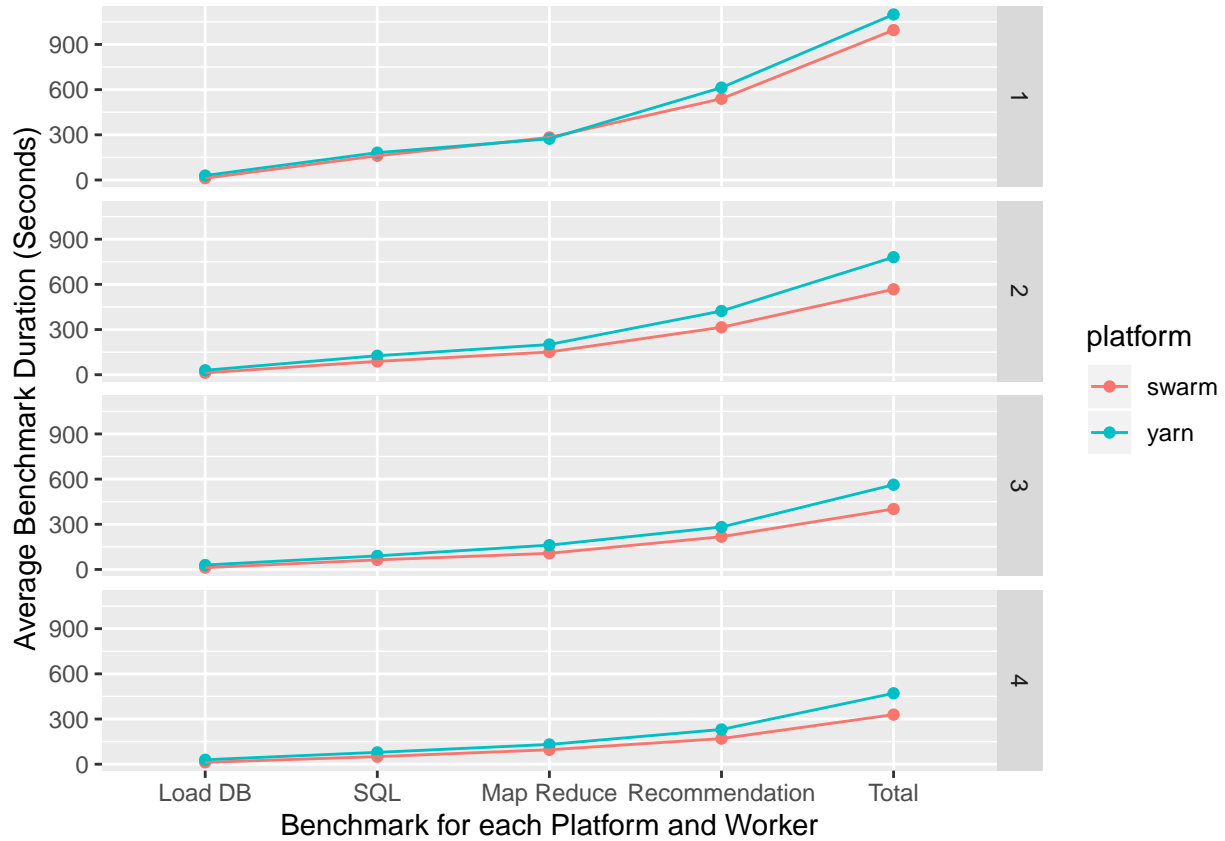# Movielens-Benchmark

```
##
## Attaching package: 'scales'

## The following object is masked from 'package:readr':
##
##      col_factor
```

```
##           benchmark workers platform      seconds
##  1:        Load DB       4    swarm    12.25567
##  2:     Map Reduce       4    swarm    95.70716
##  3:            SQL       4    swarm    50.21393
##  4: Recommendation       4    swarm   169.93276
##  5:          Total       4    swarm   329.11979
##  6:        Load DB       3    swarm    12.20022
##  7:     Map Reduce       3    swarm   107.04547
##  8:            SQL       3    swarm    63.62954
##  9: Recommendation       3    swarm   217.54641
## 10:          Total       3    swarm   401.48919
## 11:        Load DB       2    swarm    12.69490
## 12:     Map Reduce       2    swarm   150.82358
## 13:            SQL       2    swarm    88.39606
## 14: Recommendation       2    swarm   314.96520
## 15:          Total       2    swarm   567.55656
## 16:        Load DB       1    swarm    11.82159
## 17:     Map Reduce       1    swarm   282.68797
## 18:            SQL       1    swarm   160.68488
## 19: Recommendation       1    swarm   539.52198
## 20:          Total       1    swarm   995.17755
## 21:        Load DB       4     yarn    29.50626
## 22:     Map Reduce       4     yarn   131.13515
## 23:            SQL       4     yarn    78.54926
## 24: Recommendation       4     yarn   230.63663
## 25:          Total       4     yarn   470.92755
## 26:        Load DB       3     yarn    29.50049
```

```
## 27:     Map Reduce       3      yarn   161.52952
## 28:           SQL       3      yarn    90.25676
## 29: Recommendation       3      yarn   281.91491
## 30:         Total       3      yarn   562.63788
## 31:       Load DB       2      yarn    29.61790
## 32:     Map Reduce       2      yarn   200.68003
## 33:           SQL       2      yarn   126.12383
## 34: Recommendation       2      yarn   423.20715
## 35:         Total       2      yarn   780.52208
## 36:       Load DB       1      yarn    29.71973
## 37:     Map Reduce       1      yarn   273.65743
## 38:           SQL       1      yarn   181.36671
## 39: Recommendation       1      yarn   613.63998
## 40:         Total       1      yarn  1099.30066
##           benchmark workers platform    seconds
```