**Assignment Instructions**

On our AWS instance (Bar-Beer-Drinker) you will find is REAL data from Trip Advisor, from my home town of **Gdansk, Poland**.  It shows rankings of top 60 restaurants in Gdansk, their scores (average number of stars awarded by reviewers etc.

Below, we explain the meaning of individual columns:

**Restaurant (name)**Rank (how it was ranked by Trip Advisor, it is not known what their ranking function is!, it is NOT just SCORE, for sure)

**Score  (**average stars awarded by reviewers)

**User\_Name** -  name of the reviewer/alias

**Review\_Stars** - How many stars did this reviewer give to this restaurant

**Review\_Date** -  The date of the review

**User\_Reviews** - Total number of reviews this reviewer gave over his/her history of reviewing for hotels/resturants etc

**User\_Restaurant\_Reviews** - Same but just for restaurants

**User\_Helpful** - How many of the user reviews were marked as helpful by other reviewers

1. For each restaurant, how many 3-star reviews did each get? List these restaurants in tripadvisor rank order from top to bottom.  
2. Find average score of top 10 restaurants and compare it with average score of the bottom 10 restaurants according to trip advisor ranking.

Data has around 6,000+ tuples. If you want to do some joins and they take too long feel free to restrict your findings only to a subset to say, top 30 restaurants to reduce the size of data.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RESTAURANT | RANK | SCORE | USER\_NAME | REVIEW\_STARS | REVIEW\_DATE | USER\_REVIEWS | USER\_RESTAURANT\_REVIEWS | USER\_HELPFUL\_VOTES | | |
| Ritz Restaurant | 1 | 4.5 | Iain U | 5 | 11/12/2015 | 60 | 33 | 29 |  |  |
| Ritz Restaurant | 1 | 4.5 | Darius S | 5 | 11/12/2015 | 2 |  | 4 |  |  |
| Ritz Restaurant | 1 | 4.5 | Jonathan A | 5 | 11/5/2015 | 4 | 3 | 3 |  |  |
| Ritz Restaurant | 1 | 4.5 | Juliesamari | 5 | 11/5/2015 | 39 | 23 | 14 |  |  |
| Ritz Restaurant | 1 | 4.5 | Novajane | 5 | 11/5/2015 | 6 | 6 | 3 |  |  |
| Ritz Restaurant | 1 | 4.5 | Jeanettehaga | 5 | 11/5/2015 | 3 |  | 1 |  |  |
| Ritz Restaurant | 1 | 4.5 | Knut Marius S | 5 | 11/5/2015 | 8 | 7 | 3 |  |  |
| Ritz Restaurant | 1 | 4.5 | malcjones | 5 | 10/29/2015 | 12 | 4 | 25 |  |  |
| Ritz Restaurant | 1 | 4.5 | Dai S | 5 | 10/29/2015 | 39 | 21 | 15 |  |  |
| Ritz Restaurant | 1 | 4.5 | Unni S | 5 | 10/29/2015 | 2 |  | 3 |  |  |
| Ritz Restaurant | 1 | 4.5 | Corniglia123 | 5 | 10/29/2015 | 2 |  | 2 |  |  |
| Ritz Restaurant | 1 | 4.5 | Jakub P | 5 | 10/22/2015 | 7 | 7 | 15 |  |  |
| Ritz Restaurant | 1 | 4.5 | Tori K | 5 | 10/22/2015 | 67 | 51 | 46 |  |  |
| Ritz Restaurant | 1 | 4.5 | j0annaa2015 | 5 | 10/22/2015 | 1 |  | 8 |  |  |