**Assignment for Power Pivot and Power map**

1. Which user has the lowest average review score? When answering this question, use the star column from the fact\_review table (not the one in the dimension\_user table). Also, **only** consider users who have written at least 25 reviews. Drill down to see this user’s reviews. What types of businesses does this user tend to review?

|  |  |
| --- | --- |
| Dakota Mac Dylan.  Reviews about Restaurants and bar | 1 |
| 1. Which business has the highest number of 5-star reviews? (Make sure that you use count of stars, not sum of stars here!). Which has the highest number of 1-star reviews? Highest number of total reviews?   Amelie’s French Bakery and café  Mc Donald   1. How many businesses in the dataset are no longer open? Does there appear to be a difference in the average stars recieved by businesses that are still open and those that have closed? |  |

1562

Apparently not Both businesses received average stars which is 4

1. In the fact\_review table, create a new column which contains the number of words in each review. Using this, find the user who writes the longest reviews on average. Consider only reviewers who have written at least 25 reviews. Do positive reviews tend to be longer or shorter than negative reviews? Which business has the longest average review length?

**Ammy**, Max length of review is **4996** and she reviewed **Animal Medical Hospital and 24 hour**

**urgent care.**

1. The business with the highest number of 5-star reviews might just be one that has been reviewed a lot. Redo the previous question but this time, find the business with the highest proportion of 5-star reviews. To ensure that we have a large enough sample of reviews, only consider businesses with at least 100 reviews. Which business has the highest proportion of 1- star reviews? Again, only consider businesses having at least 100 reviews.

Amelie’s French Bakery and Café. Highest no of 5 star reviews and more than 100 reviews

American Airlines Highest no of 1 star reviews and more than 100

reviews

1. If you were planning a trip to Charlotte and could only use the reviews of one user to plan your trip, which user would you choose and why?

I would choose Ammy because she writes detail review of business.

1. Difficult Bonus (Save this for the very last): Recommendation sites depend on groups of users having similar tastes. Find all users who have given McDonald's 5 stars on at least one review. Then find all users who have given Del Frisco's Double Eagle Steak House a 5 star review. Finally, see if you can find any differences in businesses highly reviewed by each group.

|  |  |
| --- | --- |
| name | Del Frisco's Double Eagle Steakhouse |
| stars | 5 | name | McDonald's |
|  |  | stars | 5 |
| **Users** | **Count of stars** |  |  |
| Aaron | 1 | **Users** | **Count of stars** |
| Alex | 2 | Alex | 1 |
| Alissa | 1 | Alexander | 1 |
| Allison | 1 | Andi | 1 |
| Amy | 1 | Andrew | 1 |
| Andy | 1 | Andy | 1 |
| Aneleh | 1 | Anthony | 1 |
| Anne | 1 | Arlene | 1 |
| Annika Jo | 1 | Billy | 1 |
| Anthony | 1 | Britanie | 1 |
| April | 1 | Charlotte | 1 |
| Arsella | 1 | Chris | 1 |
| Ashley | 1 | Connor | 2 |
| Bela | 1 | Crag | 1 |
| Berta | 1 | Dan | 1 |
| Bill | 4 | Ed | 1 |
| Brenda | 1 | Eddie | 1 |
| Brendon | 1 | Edgar | 1 |
| Brian | 2 | Eric | 1 |
| Bridge | 1 | Frenchi' | 1 |
| Carol | 1 | Ila | 1 |
| Chad | 1 | Jane | 1 |
| Chloe | 1 | Janet | 1 |
| Chris | 3 | Jenita | 1 |
| Christie | 1 | Jesse | 1 |
| Christina | 1 | John | 1 |
| Christopher | 1 | Kandiss | 1 |
| Corey Tess | 2 | Katelyn | 1 |
| Courtney | 1 | Kim | 1 |
| Dana | 1 | Lee | 1 |
| Daniel | 2 | Melissa | 1 |
| Dave | 2 | Michael | 1 |
| Davette | 3 | Michelle | 1 |
| David | 1 | Mike | 1 |
| Deanna | 1 | Mimi | 1 |
| Deena | 1 | MrandMrs | 1 |
| Denise | 1 | Revan | 1 |
| Derek | 1 | Roslyn | 1 |
| Derick | 1 | Rwanda | 1 |
| Diane | 1 | Ryan | 1 |
| Donald | 1 | Sarang | 1 |
| Duyhien | 1 | Shay | 1 |
| Ed | 3 | Susan | 1 |
| Eduardo | 1 | Tiffany | 1 |
| Elizabeth | 2 | Tucker | 1 |
| Ellen | 1 | W | 1 |
| Erin | 3 | Walter | 1 |
| Evan | 1 | Winifred | 1 |
| Faith | 1 | Zin | 1 |
| Fernando | 1 | **Grand Total** | **49** |
| Fred | 1 |
| G | 1 |
| Gabrielle | 1 |
| German | 1 |
| Grace | 1 |
| Greg | 1 |
| Heather | 2 |
| India | 1 |
| Isabel | 1 |
| Jack | 1 |
| Jaclyn | 1 |
| Jasmine | 1 |
| Jason | 1 |
| Jennifer | 1 |
| Jenny | 1 |
| Jessica | 2 |
| Joe | 1 |
| Joseph | 1 |
| Joshua | 1 |
| Joy | 2 |
| Juan | 1 |
| Judi | 1 |
| K | 1 |
| Kalisa | 1 |
| Katie | 1 |
| Katrina | 1 |
| Kieran | 1 |
| Kin | 1 |
| Koyel | 1 |
| kristen | 1 |
| Kristi | 2 |
| l | 1 |
| Lakecha | 1 |
| LaSaundra | 1 |
| LaTora | 1 |
| Lia | 1 |
| Lily | 1 |
| Lisa | 3 |
| Londonbridge | 1 |
| Love | 1 |
| Lynn | 1 |
| Mallory | 1 |
| Mandy | 1 |
| Marianne | 1 |
| Mark | 2 |
| Matt | 4 |
| Megan | 1 |
| Melinda | 1 |
| Melissa | 1 |
| Michael | 2 |
| Michelle | 1 |
| Mike | 3 |
| Misty | 1 |
| Momiller | 1 |
| Mr | 1 |
| Nancy | 1 |
| Natalie | 1 |
| Nick | 2 |
| Nicole | 3 |
| P | 1 |
| Paul | 1 |
| Pete | 1 |
| Reba | 1 |
| Rich | 1 |
| Rick | 1 |
| Robert | 1 |
| Robin | 1 |
| Rod | 1 |
| Ryan | 1 |
| S | 1 |
| Sally | 1 |
| Sara | 1 |
| Sarah | 1 |
| Shannon | 1 |
| Sharke | 1 |
| Shauna | 1 |
| Sherri | 1 |
| Sherry | 1 |
| Spanky | 1 |
| Steph | 1 |
| steve | 1 |
| Stimey | 1 |
| T | 1 |
| Tatiana | 1 |
| Teri | 1 |
| Theo | 1 |
| Thuy T | 1 |
| Tiffany | 1 |
| Tim | 1 |
| Todd | 1 |
| Tom | 2 |
| Tommy | 1 |
| Toru | 1 |
| Trevor | 1 |
| Trice | 1 |
| Tricia | 1 |
| Trina | 1 |
| Valerie | 1 |
| Van | 1 |
| Vanessa | 1 |
| Virginia | 1 |
| Walter | 1 |
| Wes | 1 |
| Xiao | 1 |
| Zach | 1 |
| **Grand Total** | **189** |

**Power Map**

What business has the most locations? Drill down to a table showing all of this business’s locations. Add a column to the drilled down table. In this column, create that location’s full address by concatenating the address, city, state, and zip code. Next, add this table to the data model and give it an appropriate name. To jazz up our map, we’ll need a relationship with this table and the fact\_review table, so create a relationship between them. Create a 3D Map/Power Map showing all of the locations of this business. Try adding bars for average review, how reviews changed over time, etc.

Star Bucks has most locations.



