

Upload Mid Term Exam . zip

You should have following files:

- Sales files for 2015, 2016, 2017
- Product file
- Territories file
- Mid Term Exam Instruction

## Assignment :

### Data

1. Combine sales files into 1 dataset, "Total\_Sales"
2. Create a group for the "old/outdated" files, "Old\_Files" move Sales files for 2015, 2016, 2017 in there
3. Check the column formats for all datasets
4. For the Products , add a new column with a formula for (Net) Profit Margin, I want to know how much money the company makes per product in % terms. Call it Profit\_Margin  
(Tip: Check Google if you don't know the formula)
5. Create another column where if the margin is below 20% - "Low profit", if over 20% but less than 40 % - " Average Profit", if over 40% but less than 70% - "High Profit", if over 70% but less than 100% - "Top Profit" , if 100% - "Asset Transfer" . Call the column Profit\_Category  
(Tip : "IF" , "AND" )

### Model

#### Connect datasets

### Data

6. In the Total\_Sales dataset create a column "Product\_Price" which brings ProductPrice values from Products dataset

7. Create another Column in Total\_Sales, name it "Revenue\_per\_Product", multiple Product\_Price and OrderQuantity columns
8. In the Products dataset , ProductColor , replace N/A's with "No Color"

## Report

1. Create a tree map. I want to see Top 10 products Names by Revenue, I also want to see profit margin for each of them on the chart
2. Rename or delete the Title. I don't want to see "\_" signs and lengthy naming
3. Add a map, Use Revenue for the size and Continent as location. Align the map and fix the title
4. Create a donut chart. I want to see what are the most popular colors. Use ProductColor and Revenue per Product . Adjust the chart in the way anyone can easily read it. Fix labels and titles. If you have red color it has to be a red color in the "Data colors" .
5. Add slicer, use order date from Total\_Sales dataset
6. Add table, with the Product name , filter it by top 10 by revenue per product. Add Profit\_Category to the table

**(You can see the visual sample below Page 3)**

**Adjust your report in the way it looks proficient. Work on fonts, background, titles and labels accordingly**

**FOR THE REPORT VIEW FORMAT BELOW YOU WILL GET ONLY 1/5 POINTS. It is a terrible visual representation of your work!**

