

Chart Types: Bar Charts

Exercise 2.4.2.2



By the end of this activity, you will be able to:



Follow these steps to get the course activity assets

- Proficiently create bar charts in Power BI and apply diverse formatting options to enhance data visualization
 - Develop the skills to interpret and communicate insights derived from bar charts charts, enabling you to present complex data in an easily understandable format
1. Under **Part II - Visualize (Charts & Dashboards)** section of the DABEU course.
 2. Select the appropriate activity
 3. Download the following files:
 - 2.4.2.2. Exercise Bar Charts v7.0.pdf
 - Womens Clothing E Commerce Reviews v7.0

Instructions

1. Download the 'Women's Clothing E Commerce Reviews v7.0' excel file.
2. Clean and transform data as much as necessary to complete this task.
3. Use the 'Women's Clothing E Commerce Reviews v7.0' data to replicate the Bar charts below.
4. Document the steps you took to complete this task as well as any insights you found in the 'Women's Clothing E Commerce Reviews v7.0' data.

About the data

The Women's Clothing E Commerce dataset is based on reviews which were written by customers.

The data has the following fields:

1. Attributes:

Fields	Definition
<ul style="list-style-type: none"> • Clothing ID: 	<ul style="list-style-type: none"> • Integer Categorical variable that refers to the specific piece being reviewed.
<ul style="list-style-type: none"> • Age: 	<ul style="list-style-type: none"> • Positive Integer variable of the reviewers' age.
<ul style="list-style-type: none"> • Title: 	<ul style="list-style-type: none"> • String variable for the title of the review.
<ul style="list-style-type: none"> • Review Text: 	<ul style="list-style-type: none"> • String variable for the review body.
<ul style="list-style-type: none"> • Division Name: 	<ul style="list-style-type: none"> • Categorical name of the product high level division.
<ul style="list-style-type: none"> • Department Name: 	<ul style="list-style-type: none"> • Categorical name of the product department name.
<ul style="list-style-type: none"> • Class Name: 	<ul style="list-style-type: none"> • Categorical name of the product class name.

2. Metrics:

Fields	Metric	Definition
<ul style="list-style-type: none"> • Rating: 	<ul style="list-style-type: none"> • # Rating 	<ul style="list-style-type: none"> • Positive Ordinal Integer variable for the product score granted by the customer from 1 (Worst) to 5 (Best).
<ul style="list-style-type: none"> • Recommended IND: 	<ul style="list-style-type: none"> • # IND 	<ul style="list-style-type: none"> • Binary variable stating where the customer recommends the product where 1 is recommended, 0 is not recommended.
<ul style="list-style-type: none"> • Positive Feedback Count: 	<ul style="list-style-type: none"> • #Positive Count 	<ul style="list-style-type: none"> • Positive Integer documenting the number of other customers who found this review positive.

Advanced and Standard routes.

Standard Route:

1. Replicate the specs using the 'Womens Clothing E Commerce Reviews v7.0' data file. This file excel file contains sheets with data that is clean, transformed, and ready to use.

Advanced Route:

2. Replicate the specs using the 'CSV Womens Clothing E Commerce Reviews v7.0' data file. This file is raw data presented in csv format, clean and transform it appropriately to reproduce the specs. Look out for possible distortions when changing the file from csv to xlsx in excel, this should not happen. Nulls are to be ignored when aggregating. Make sure you get the same result as the spec.

**The following charts are
mandatory (Chart 1 - 3)**

Chart 1



Chart 2

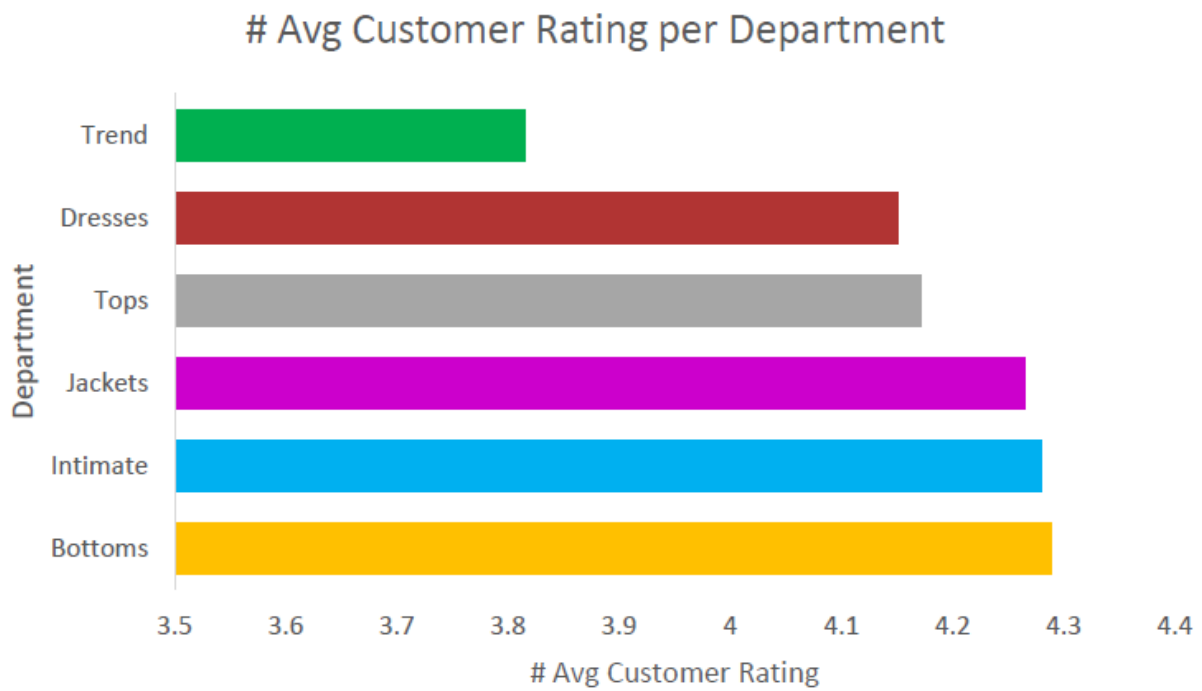
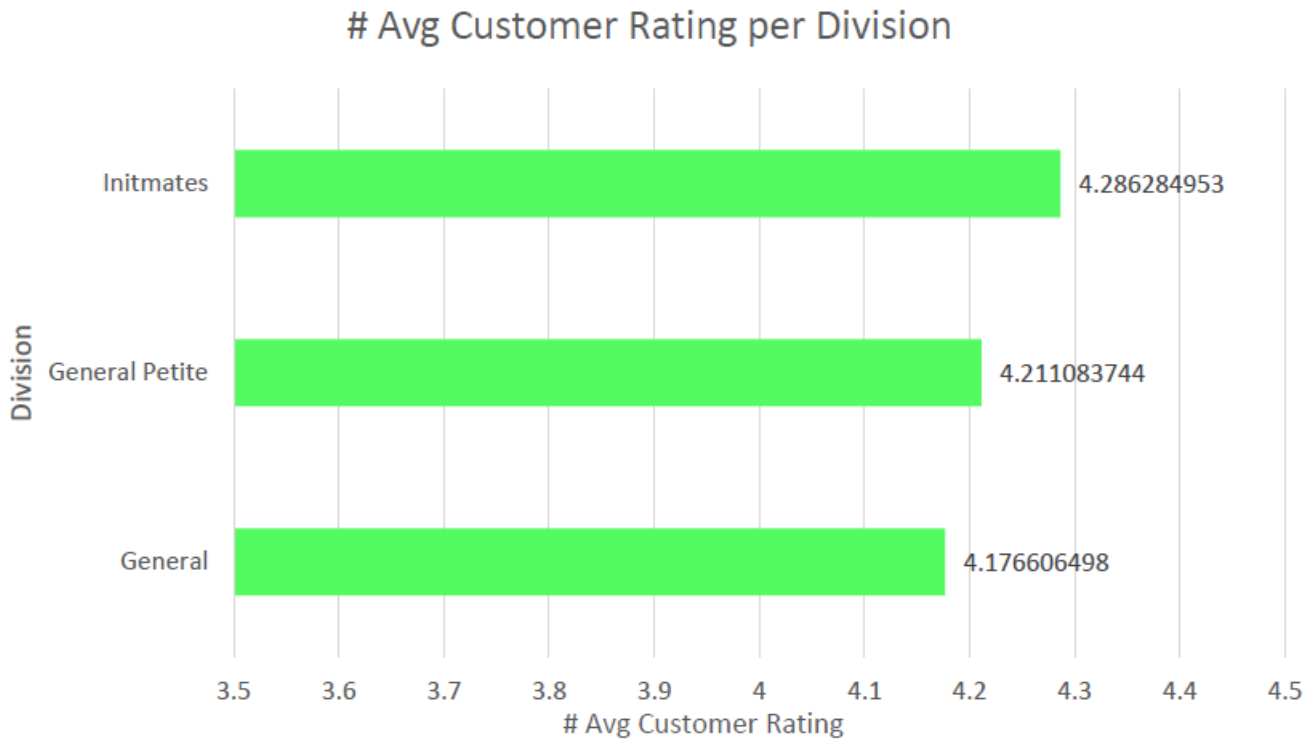


Chart 3

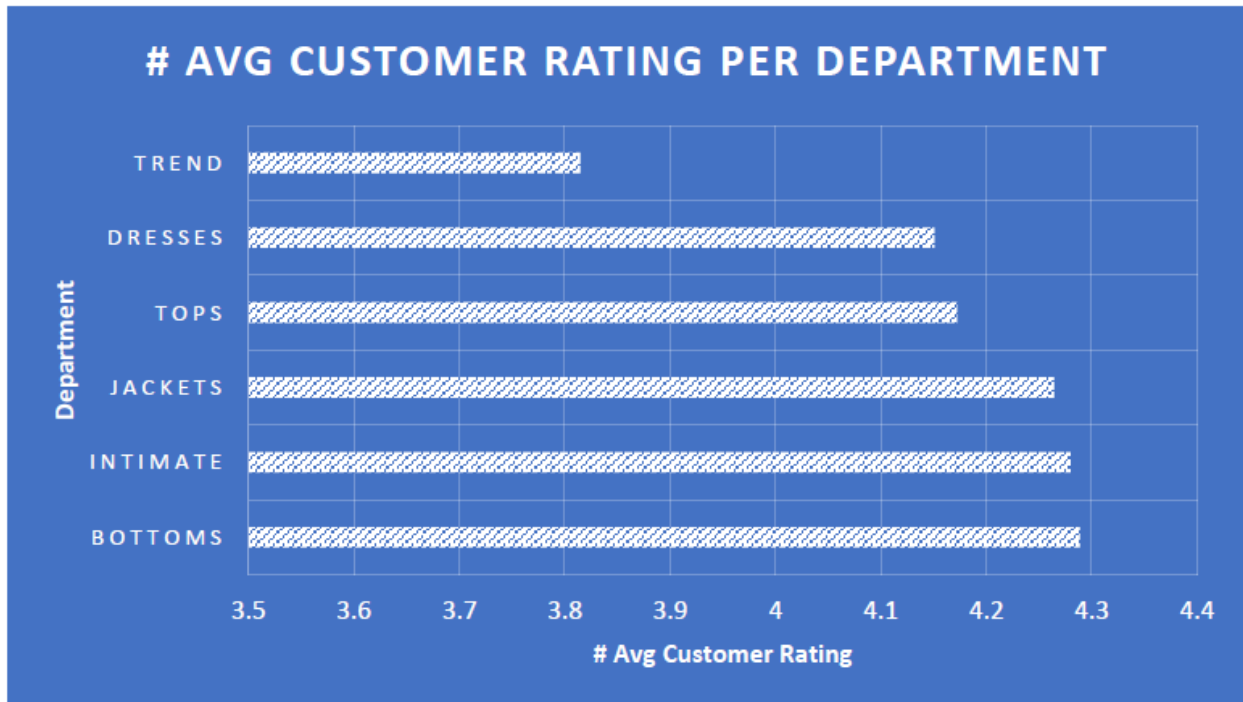


The following charts are optional (Chart 4 - 7).

Chart 4



Chart 5



Tip:

Insert horizontal and vertical gridlines.

Chart 6



Chart 7

