Preppin' Data

A weekly challenge to help you learn to prepare data and use Tableau Prep

2019: Week 6

March 20, 2019

For week 6 of 2019, Carl and I are going to get you playing with aggregation and, more importantly, introduce you all to our side hustle: Chin & Beard Suds Co – esteemed purveyor of (fake) luxury soap products.

The Scenario:

Chin & Beard Suds Co (C&BS Co.) is looking to update their company data table which details the monthly profit generated by each product in Scotland and England. This has already been done for the first three months of 2019 for Scotland, but the March sales information for England has yet to be aggregated and added to the master table.

Month	Country	Category	Profit
Jan 19	Scotland	Bar Soap	1475
Feb 19	Scotland	Bar Soap	1350
Mar 19	Scotland	Bar Soap	1550
Jan 19	Scotland	Liquid Soap	755
Feb 19	Scotland	Liquid soap	695
Mar 19	Scotland	Liquid Soap	645
Jan 19	England	Bar Soap	1955
Feb 19	England	Bar Soap	2145
Jan 19	England	Liquid Soap	1630
Feb 19	England	Liquid Soap	1755

The March sales information for England is in its own table and contains how many units of each product type were sold in each city.

Country	Category	City	Units Sold
England	Bar Soap	London	475
England	Liquid Soap	London	364
England	Bar Soap	Manchester	195
England	Liquid Soap	Manchester	223
England	Bar Soap	York	275
England	Liquid Soap	York	327

The pricing and production costs for each product type are also contained in their own sheet.

Type of Soap	Manufacturing Cost per Unit	Selling Price per Unit
Bar	0.8	3
Liquid	0.2	1.2

The Requirements:

- Import the file.
- Make sure to use all 3 sheets.
- Use the soap pricing details to calculate the profit in each city in England in March.
- Add the missing overall profit for each product in England in March to the Company Data table.
- Note: The C&BS Co monthly sales period starts on the 19th of each month.

The Output

- 4 Columns
- 12 Rows
- One row for each country's monthly profit for each product type.

For comparison, here's our output file. Don't to forget to fill in our participation tracker!

Aggregation   Join   Union   Week6

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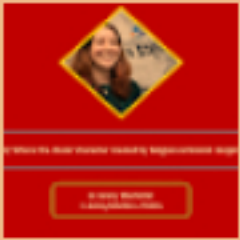## 2023: Week 1 The Data Source Bank

January 04, 2023

Created by: Carl Allchin Welcome to a New Year of Preppin' Data. These are weekly exercises to help you learn and develop data preparation skills. We publish the challenges on a Wednesday and share a solution the following Tuesday. You can take the challenges whenever you want and we love to see …

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2021: Week 22 - Answer Smash

June 02, 2021

Challenge By: Jenny Martin Recently, my family and I have become quite invested in the TV quiz show Richard Osman's House of Games . The final round is always a round called Answer Smash. In this round you have a picture and question and you have to "smash" the name of the picture with the ans…

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How to...Handle Free Text

January 24, 2020

Free isn't always a good thing. In data, Free text is the example to state when proving that statements correct. However, lots of benefit can be gained from understanding data that has been entered in Free Text fields. What do we mean by Free Text? Free Text is the string based data that comes from allo…

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