

2019: Week 15

May 22, 2019

Hi all, after last week's marathon challenge that challenged the creators to find the 'right' answer as much it challenge our "Preppers", I decided to go for a slightly more straight forward challenge this week [insert side-eyes emoji] - it's only easy when you can work it out!

This week, we are putting ourselves in the shoes of a family firm of stock-brokers. The firm has a number of branches across the country, but thankfully they have learned from previous challenges of Preppin' Data, how to put together their lists of their clients purchases. The regulators want to know whether there are any 'weird' behaviour from their clients. Because their client base is quite small, they have agreed to send a file to the regular where the same share has been purchased by multiple customers of the firm. To give the regulator more evidence, they will share what percentage that sale makes up of the whole client portfolio of the firm and within the region.

Requirements

Customer ID	First Name	Last Name	Sales	Order Date	Stock
1	Berry	Robjant	6087.89	01/08/2018	Park Sterling Corporation
2	Fanni	Ackenhead	6294.87	08/01/2018	Titan International, Inc.
3	Keelby	Northcote	5768.85	20/01/2019	Brookfield Real Assets Income Fund Inc.
4	Riva	Rosenhaupt	4073.2	22/03/2018	AllianzGI Equity & Convertible Income Fund
5	Shoshanna	Jeacop	4586.99	10/07/2017	Aratana Therapeutics, Inc.
6	Bonnibelle	Bourdon	5877.19	20/04/2017	RCM Technologies, Inc.
7	Dyna	Christol	1574.96	19/05/2017	Electrum Special Acquisition Corporation

- [Input data](#)
- Pull a list of clients purchases together across all their regions
- Determine the % of total sales each transaction makes up:
 - In Region
 - Across the whole firm
- The final file should only contain sales that are not the only purchase of that share.

Outputs

% of Regional Sales	% of Total Sales	Region	Customer ID	First Name	Last Name	Sales	Order Date	Stock	Total Regional Sales	Total Sales
76.888889	37.688889	South	1	Berry	Robjant	6087.89	01/08/2018	Park Sterling Corporation	9875.9	17538.89
76.888889	71.688889	South	2	Fanni	Ackenhead	6294.87	08/01/2018	Titan International, Inc.	9875.9	9875.9
58.888889	58.888889	South	3	Keelby	Northcote	5768.85	20/01/2019	Brookfield Real Assets Income Fund Inc.	9875.9	9875.9
40.732	40.732	South	4	Riva	Rosenhaupt	4073.2	22/03/2018	AllianzGI Equity & Convertible Income Fund	9875.9	9875.9
35.727273	35.727273	South	5	Shoshanna	Jeacop	4586.99	10/07/2017	Aratana Therapeutics, Inc.	9875.9	9875.9
35.727273	35.727273	South	6	Bonnibelle	Bourdon	5877.19	20/04/2017	RCM Technologies, Inc.	9875.9	9875.9
35.727273	35.727273	South	7	Dyna	Christol	1574.96	19/05/2017	Electrum Special Acquisition Corporation	9875.9	9875.9

- 11 Columns
- 1012 Rows (1013 including Headers)
- No Nulls

For comparison, [here's our output files](#). Don't forget to fill in our [participation tracker](#)!

Note: Data formed in <https://mockaroo.com/> which is brilliant for creating mocked up data to your particular scenario

Aggregation Join Number Calculations Union

Popular posts from this blog

2023: Week 1 The Data Source Bank

January 04, 2023

Code	Value	Customer
1-176	1440	
183	7930	
2-838	5820	
234	7987	
4-857	6276	
3-348	4525	
486	2321	
238	1987	
1-433	8165	
176	7988	

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 you...

[READ MORE](#)

2023: Week 2 - International Bank Account Numbers

January 11, 2023

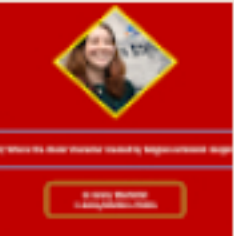
Check Digits	Sort Code
12	4800
12	102030
12	102030
12	102030
12	102030
12	102030
12	102030
12	102030
12	102030
12	102030

Challenge By: Jenny Martin For week 2 of our beginner month, Data Source Bank has a requirement to construct International Bank Account Numbers (IBANs), even for Transactions taking place in the UK. We have all the information in separate fields, we just need to put it altogether in the following order: ...

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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 answer ...

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