





Contributors

**CARL ALLCHIN**







**JENNY MARTIN**







**JONATHAN ALLENBY**







**TOM PROWSE**




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Preppin' Data

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

2019: Week 8

April 03, 2019

As we saw last week, Profits are rolling in nicely from Chin & Beard Suds Co. but all is not perfect at the company. Recently our Suds shops have been the victim of a number of thefts. Thankfully our systems allow our stores to record the thefts, when the theft occurred and when we adjusted the inventory to reflect the reduced amounts.

The data has all the parts we need to answer a few questions:

1. What product is stolen the most?
2. How many items of stock haven't been updated in the inventory levels yet?
3. What stores need to update their inventory levels?
4. Which store is the fastest at updating inventory levels post a theft?
5. Which stores have updated their stock levels incorrectly?

To be able to answer these questions, we need you to create the following data set.

Requirements:

Type	Action	Date	Quantity	Store ID	Crime Ref Number
Bar	Theft	19/03/2019	-10	OX1	S04P1
Bar	Stock Adjusted	25/03/2019	-10	OX1	S04P1
Bar	Theft	22/03/2019	5	OX1	S04P2
Bar	Stock Adjusted	25/03/2019	-4	OX1	S04P2
Liquid	Theft	02/03/2019	100	WM1	S04P3
Liquid	Stock Adjusted	02/03/2019	-100	WM1	S04P3
Bar	Theft	03/04/2019	5	WM2	S04P4
Liquid	Theft	22/03/2019	44	FX1	S04P5

- **Input data from both sheets**
- Update Store IDs to use the Store Names
- Clean up the Product Type to just return two products types: Bar and Liquid
- Measure the difference in days between when the theft occurred and when the stock was updated
- Measure the variance in stolen stock and inventory adjustment

You will likely need Prep Builder v2019.1 as I used Rows to Columns pivot but you lot are innovative so who knows?

Output:

Steps to complete adjustment	Stores volume	Theft	Stock Adjusted	Branch Name	Type	Crime Ref Number	Stock Variance
2	105	21/03/2019	01/03/2019	Oxford Street	Liquid	S04P5	0
1	22	28/03/2019	01/03/2019	Wimbledon 1	Bar	S04P7	2
5	105	02/03/2019	02/03/2019	Wimbledon 1	Liquid	S04P3	0
not	5	01/04/2019	not	Wimbledon 2	Bar	S04P6	0
not	14	22/03/2019	not	Oxford Street	Liquid	S04P5	14
6	10	19/03/2019	25/03/2019	Oxford Street	Bar	S04P1	0
not	2	02/03/2019	02/04/2019	Wimbledon 1	Liquid	S04P6	0
2	5	23/03/2019	25/03/2019	Oxford Street	Bar	S04P2	1

- 8 Rows of data (9 including the header)
- 8 Columns of data
- 4 Null cells due to inventory updates not occurring
- One Row per Crime Reference Number

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

Aggregation Date Calculations Pivot String Calculations

Popular posts from this blog

2023: Week 1 The Data Source Bank

January 04, 2023

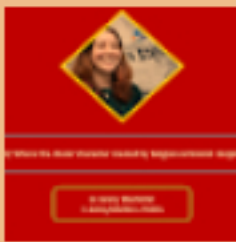
Code	Value	Customer
1-179	1940	
180	7930	
2-438	8620	
439	7967	
440-7	8276	
8-108	4620	
409	2311	
129	1987	
1423	9165	
170	7969	

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](#)

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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How to...Handle Free Text

January 24, 2020

Notes	1	2	3
Called about policy #4000	1		
Called about their policy #40	1		
Called complaining that fo	1		
Called regarding policy #385	1		

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 allowi ...

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