





Contributors

CARL ALLCHIN

JENNY MARTIN

JONATHAN ALLENBY

TOM PROWSE

Followers

フォロワー (203 人) [次へ](#)



[フォローする](#)

Archive

▼

Labels

▼

[Report Abuse](#)

Preppin' Data

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

2019: Week 7

March 27, 2019

Following the success of Chin & Beard Suds Co, we've been informed by our distribution company that they're having some technical difficulties, so we'd like to step in and offer our professional assistance.

The Scenario

A shipping distribution company transports valuable cargo for customers all around the world using three different types of boat. They keep the basic details for each departure in a table called Departure Details.

Ship ID	Departure Date	Max Weight	Max Volume
Top-05	27/3/2019	500	50
Freighter-04	31/3/2019	5000	500
Freighter-03	3/4/2019	5000	500
Freighter-01	6/4/2019	5000	500
Tanker-02	7/4/2019	3000	200
Tanker-04	10/4/2019	1000	200
Freighter-02	10/4/2019	5000	500
Top-05	10/4/2019	500	50
Freighter-03	10/4/2019	5000	500
Freighter-04	12/4/2019	5000	500

A snippet of the Departure Details table.

They sell and allocate space on their departures based on the weight and volume of the cargo. They keep the details of each allocation in a table called Allocation Details.

Selection	Departure ID	Date Logged	Product Type	Weight Allocated	Volume Allocated
Sally Sherman	Tanker-05-04-01-2019	21/02/2019	Spice Jars	111	10
Tim Boney	Freighter-03-18-04-2019	14/02/2019	Potato Cakes	794	48
Sally Sherman	Tanker-04-27-04-2019	26/02/2019	Oil	239	28
Sally Chen	Freighter-02-10-04-2019	11/02/2019	Rubber Ducks	536	20
Sally Chen	Tanker-05-24-05-2019	27/02/2019	Viral Bacteria	148	10
Mike Watt	Tanker-05-01-01-2019	22/02/2019	Legumes	221	10
Twist Morgan	Tanker-05-09-09-2019	17/02/2019	Tiny Kitchens	68	2
Sally Chen	Top-05-24-04-2019	13/02/2019	University Textbooks	89	10
Twist Morgan	Top-05-18-04-2019	11/02/2019	Rubber Ducks	81	7

A snippet of the Allocation Details table.

In the last 3 months they've begun noticing issues where more weight or volume is being allocated than the boats can actually carry. This means customers are turning up at the port with cargo which the company is then having to turn away and refund. They want to identify and flag departures with weight or volume allocation issues before the day of departure.

The Requirements

- Download the input file.
- Figure out how much weight and volume has been allocated for each departure in the Allocation Details table.
- Find a way to flag departures on the Departure Details table which have had too much cargo weight or volume allocated.

The Output

- One table designed to replace the original Departure Details table.
- 8 fields total (4 original & 4 new).
- 58 rows.
- Two new fields called **[Allocated Weight]** & **[Allocated Volume]** which contain the allocated weight and volume for each departure.
- Two more new fields called **[Overweight?]** & **[Overvolume?]** which contain *TRUE* or *FALSE* depending on if there's an issue.

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

Share

[Flag](#)[Join](#)[week7](#)

Popular posts from this blog

2023: Week 1 The Data Source Bank

January 04, 2023

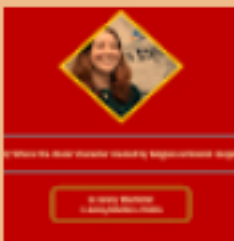
Code	Value	Comments
24175	1440	
101	1930	
24136	1020	
104	7907	
4387	5176	
3-485	4020	
400	2101	
120	1907	
1423	8100	
170	1906	

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

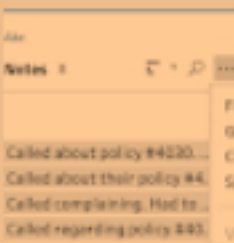


Challenge By: Jenny Martin Recently, my family and I have become quite invested in the TV quiz show Richard Osman's House of Games . The final round is always a round called Answer Smash. In this round you have a picture and question and you have to "smash" the name of the picture with the answer

[READ MORE](#)

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 allowing

[READ MORE](#)