

Tableau Wrangling Supply Chain Assignment

Marium Jamal – 14881

1. Imported Data(scdf.clean.csv) from Excel file

The screenshot displays the Tableau Desktop interface with the 'scdf.clean' data source connected to a CSV file. The main view shows a data preview table with the following columns and data:

ID	Pq #	Po / So #	Country	Managed By	Fulfill Via	Vendor INCO ...	Shipment Mode	PQ First Sent ...	PO Sent to Ve...	Scheduled Del...	Delivered to C
13	Pre-PQ Process	SCMS-268	Rwanda	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	12/22/2006	2/27/2007	2/27/2007
18	Pre-PQ Process	SCMS-555	Tanzania	PMO - US	Direct Drop	CIP	Air	Pre-PQ Process	4/12/2007	6/6/2007	6/6/2007
22	Pre-PQ Process	SCMS-753	Vietnam	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	7/4/2007	10/15/2007	10/15/2007
23	Pre-PQ Process	SCMS-759	Vietnam	PMO - US	Direct Drop	FCA	Air	Pre-PQ Process	7/4/2007	8/27/2007	8/27/2007
29	Pre-PQ Process	SCMS-11070	Ethiopia	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	10/3/2007	11/20/2007	11/20/2007
32	Pre-PQ Process	SCMS-14190	Vietnam	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	11/19/2007	1/21/2008	1/21/2008
33	Pre-PQ Process	SCMS-14200	Vietnam	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	11/21/2007	1/21/2008	1/21/2008
46	Pre-PQ Process	SCMS-19490	Vietnam	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	3/31/2008	6/3/2008	6/3/2008
49	Pre-PQ Process	SCMS-20310	Vietnam	PMO - US	Direct Drop	CIP	Air	Pre-PQ Process	3/31/2008	7/12/2008	7/12/2008
54	Pre-PQ Process	SCMS-23450	Vietnam	PMO - US	Direct Drop	EXW	Air	Pre-PQ Process	5/14/2008	9/19/2008	9/19/2008
60	Pre-PQ Process	SCMS-23610	Tanzania	PMO - US	Direct Drop	CIP	Air	Pre-PQ Process	5/14/2008	9/19/2008	9/19/2008

2. Modifying column names by removing white spaces & using abbreviations

Tableau - Book1

File Data Server Window Help

Connections: scdf.clean (Text file)

Files: Assignment2_A...File (1).txt, Assignment2_AnswerFile.txt, Assignment2_DataFile (1).txt, Assignment2_DataFile.txt, campaign (1).csv, campaign.csv, churndata.csv, copypaste.txt, data.csv, dataset2.csv, Experiment - 5...ts dataset.csv, Experiment Results.csv, food-allergy...enodo (1).csv, food-allergy...is-Zenodo.csv, Link for Exercise 1.txt, Link for Lecture 1.txt, Missing Value Data.csv, nyc-rolling-sales-dirty (1).csv, nyc-rolling-sales-dirty (1).csv

scdf.clean.csv

Need more data? Drag tables here to relate them. Learn more

Sort fields: Data source order

Field Name	Table	Remote Field Name
Dosage	scdf.clean.csv	Dosage
Dosage Form	scdf.clean.csv	Dosage Form
Unit.Measure.Per.Pack	scdf.clean.csv	Unit of Measure (Per Pack)
Line.Item.Qty	scdf.clean.csv	Line Item Quantity
Line.Item.Value	scdf.clean.csv	Line Item Value
Pack.Price	scdf.clean.csv	Pack Price
Unit.Price	scdf.clean.csv	Unit Price
Manuf.Site	scdf.clean.csv	Manufacturing Site
First.Line.Desig	scdf.clean.csv	First Line Designation
Weight.KG	scdf.clean.csv	Weight (Kilograms)
Freight.Cost	scdf.clean.csv	Freight Cost (USD)
Line.Item.Insurance	scdf.clean.csv	Line Item Insurance (USD)

Activate Windows: Go to Settings to activate Windows.

3. Hiding irrelevant columns such as "Managed.By", "First.Line.Desig" and "ID" columns because they either contain only one value or is treated as an identifier.

Tableau - Book1

File Data Server Window Help

Connections: scdf.clean (Text file)

Files: Assignment2_A...File (1).txt, Assignment2_AnswerFile.txt, Assignment2_DataFile (1).txt, Assignment2_DataFile.txt, campaign (1).csv, campaign.csv, churndata.csv, copypaste.txt, data.csv, dataset2.csv, Experiment - 5...ts dataset.csv, Experiment Results.csv, food-allergy...enodo (1).csv, food-allergy...is-Zenodo.csv, Link for Exercise 1.txt, Link for Lecture 1.txt, Missing Value Data.csv, nyc-rolling-sales-dirty (1).csv, nyc-rolling-sales-dirty (1).csv

scdf.clean.csv

Need more data? Drag tables here to relate them. Learn more

Sort fields: Data source order

Show aliases Show hidden fields 1,000 rows

ID	PQ#	PO/SO#	Country	Managed.By	Shipment.Mode	PQ.Sent.Clien...	PO.Sent.Vend...	Sch.Delivery...	Client.Deliver...
13	Pre-PQ Process	SCMS-268	Rwanda	PMO - US	Air	Pre-PQ Process	12/22/2006	2/27/2007	2/27/2007
18	Pre-PQ Process	SCMS-555	Tanzania	PMO - US	Air	Pre-PQ Process	4/12/2007	6/6/2007	6/6/2007
22	Pre-PQ Process	SCMS-753	Vietnam	PMO - US	Air	Pre-PQ Process	7/4/2007	10/15/2007	10/15/2007
23	Pre-PQ Process	SCMS-759	Vietnam	PMO - US	Air	Pre-PQ Process	7/4/2007	8/27/2007	8/27/2007
29	Pre-PQ Process	SCMS-11070	Ethiopia	PMO - US	Air	Pre-PQ Process	10/3/2007	11/20/2007	11/20/2007
32	Pre-PQ Process	SCMS-14190	Vietnam	PMO - US	Air	Pre-PQ Process	11/19/2007	1/21/2008	1/21/2008
33	Pre-PQ Process	SCMS-14200	Vietnam	PMO - US	Air	Pre-PQ Process	11/21/2007	1/21/2008	1/21/2008
46	Pre-PQ Process	SCMS-19490	Vietnam	PMO - US	Direct Drop EXW	Pre-PQ Process	3/31/2008	6/3/2008	6/3/2008
49	Pre-PQ Process	SCMS-20310	Vietnam	PMO - US	Direct Drop CIP	Pre-PQ Process	3/31/2008	7/12/2008	7/12/2008
54	Pre-PQ Process	SCMS-23450	Vietnam	PMO - US	Direct Drop EXW	Pre-PQ Process	5/14/2008	9/19/2008	9/19/2008

Activate Windows: Go to Settings to activate Windows.

4. Using aliases to rename the values in the column into more precise readable form.

The screenshot shows the Tableau Desktop interface with a data source named 'scdf.clean'. A dialog box titled 'Edit Aliases [PQ#]' is open, allowing the user to map specific values to more readable aliases. The dialog has columns for 'Member', 'Has Alias', and 'Value (Alias)'. The background data table includes columns: 'PQ#', 'PO/SO#', 'Country', 'Fulfillment', 'Pre-PQ Process', 'SCMS-268', 'Rwanda', 'Direct', 'Pre-PQ Process', 'SCMS-555', 'Tanzania', 'Direct', 'Pre-PQ Process', 'SCMS-753', 'Vietnam', 'Direct', 'Pre-PQ Process', 'SCMS-759', 'Vietnam', 'Direct Drop', 'FCA', 'Air', 'Pre-PQ Process', '7/4/2007', '8/27/2007', '8/27/2007', '8/27/2007', 'Pre-PQ Process', 'SCMS-11070', 'Ethiopia', 'Direct Drop', 'EXW', 'Air', 'Pre-PQ Process', '10/3/2007', '11/20/2007', '11/20/2007', '11/20/2007', 'Pre-PQ Process', 'SCMS-14190', 'Vietnam', 'Direct Drop', 'EXW', 'Air', 'Pre-PQ Process', '11/19/2007', '1/21/2008', '1/21/2008', '1/21/2008', 'Pre-PQ Process', 'SCMS-14200', 'Vietnam', 'Direct Drop', 'EXW', 'Air', 'Pre-PQ Process', '11/21/2007', '1/21/2008', '1/21/2008', '1/21/2008', 'Pre-PQ Process', 'SCMS-19490', 'Vietnam', 'Direct Drop', 'EXW', 'Air', 'Pre-PQ Process', '3/31/2008', '6/3/2008', '6/3/2008', '6/3/2008', 'Pre-PQ Process', 'SCMS-20310', 'Vietnam', 'Direct Drop', 'CIP', 'Air', 'Pre-PQ Process', '3/31/2008', '7/12/2008', '7/12/2008', '7/12/2008', 'Pre-PQ Process', 'SCMS-23450', 'Vietnam', 'Direct Drop', 'EXW', 'Air', 'Pre-PQ Process', '5/14/2008', '9/19/2008', '9/19/2008', '9/19/2008'.

5. Created groups of record w.r.t their year in “PQ.sent.client.date” and “PO.Sent.Vendor.Date” columns.

The screenshot shows the Tableau Desktop interface with a data source named 'scdf.clean'. A dialog box titled 'Create Group [PQ.Sent.Client.Date.Group]' is open, allowing the user to create a group based on specific values. The dialog has a 'Field Name' field set to 'PQ.Sent.Client.Date.Group' and a list of 'Groups' including years from 2009 to 2015 and 'Pre-PQ Process'. The background data table includes columns: 'Dosage.Form', 'Unit.Measure', 'Line.Item', 'Manuf.Site', 'Weight.KG', 'Freight.Cost', 'Line.Item.Insu...', 'PQ.Sent.Client...', 'Tablet - FDC', '60', 'Powder for oral s...', '200', 'Oral suspension', '240', 'Tablet', '120', 'Capsule', '60', 'Tablet', '30', 'Tablet', '60', 'Tablet', '30', '8,400', '96,432.00', '11,480', '0.38000', 'Chewable/disper...', '60', '400', '2,800.00', '7,000', '0.12000', 'Tablet', '30', '1,344', '18,359.04', '13,660', '0.46000', 'Mylan (formerly ...', '654', '4,051.34', '154.29', 'Pre-PQ Process', 'BMS Meymac, Fr...', '81', '2,211.05', '4.48', 'Pre-PQ Process', 'Gilead(Nycomed...', '76', '2,282.57', '27.20', 'Pre-PQ Process', 'Aurobindo Unit II...', '4,228', '12,237.61', '158.72', 'Pre-PQ Process', 'ABBVIE Ludwigs...', '117', '1,767.38', '65.75', 'Pre-PQ Process', 'Aurobindo Unit II...', '941', '4,193.49', '3.07', 'Pre-PQ Process', 'BMS Meymac, Fr...', '162', '912.96', '45.57', 'Pre-PQ Process', 'Dipla, Goa, India', '7,416', '64,179.42', '45.57', 'Pre-PQ Process', 'Mylan (formerly ...', '1,537', '13,507.92', '29.37', 'Pre-PQ Process', 'BMS Meymac, Fr...', '117', '1,767.38', '65.75', 'Pre-PQ Process'.

Tableau - Book1

File Data Server Window Help

Connections

scdf.clean

Text file

Files

Use Data Interpreter

Data Interpreter might be able to clean your Text file workbook.

Assignment2_A...File (1).txt

Assignment2_AnswerFile.txt

Assignment2_DataFile (1).txt

Assignment2_DataFile.txt

campaign (1).csv

campaign.csv

churndata.csv

copypaste.txt

data.csv

dataset2.csv

Experiment - 5...ts dataset.csv

Experiment Results.csv

food-allergy...enodo (1).csv

food-allergy...is-Zenodo.csv

Link for Exercise 1.txt

Link for Lecture 1.txt

Missing Value Data.csv

nyc-rolling-sales-dirty (1).csv

nyc-rolling-sales-clean (1).csv

New Union

Go to Worksheet

scdf.clean.csv

Sort fields Data source order

PO#

SCMS-50290

Rwanda

Direct Drop

FPQ-4011

SCMS-48290

Vietnam

Direct Drop

FPQ-3896

SCMS-51780

Vietnam

Direct Drop

FPQ-4098

SCMS-68910

South Africa

Direct Drop

FPQ-5303

SCMS-64580

Vietnam

Direct Drop

FPQ-5019

SCMS-84420

Rwanda

Direct Drop

FPQ-6185

SCMS-68750

South Africa

Direct Drop

FPQ-5303

SCMS-123870

Côte d'Ivoire

Direct Drop

FPQ-8302

SCMS-103410

South Africa

Direct Drop

FPQ-7175

SCMS-109830

Benin

Direct Drop

FPQ-7660

SCMS-145230

Vietnam

Direct Drop

FPQ-8276

PO.Sent.Vendor.Date (group)

Field Name: PO.Sent.Vendor.Date (group)

Groups:

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

N/A - From RDC

Group

Rename

Ungroup

Show Add Location

Find members

Contains

Range: (All)

Find All

Find Next

Reset

OK

Cancel

Apply

Learn more

Show aliases

Show hidden fields

1,000 rows

PO.Sent.Vend...

Sch.Delivery...

Client.Deliver...

Rec.Delivery.D...

Product.Group

8/31/2009

4/16/2010

4/16/2010

4/16/2010

ARV

6/29/2009

9/30/2009

9/30/2009

9/30/2009

ARV

8/14/2009

10/26/2009

10/26/2009

10/26/2009

ARV

3/19/2010

8/24/2010

8/24/2010

8/24/2010

ARV

2/3/2010

3/30/2010

3/30/2010

3/30/2010

ARV

9/29/2010

11/2/2010

11/2/2010

11/2/2010

ARV

3/19/2010

10/13/2010

1/25/2011

1/25/2011

ARV

9/30/2011

12/1/2011

12/1/2011

12/1/2011

ARV

3/10/2011

3/24/2011

9/14/2011

10/27/2011

10/27/2011

ARV

5/16/2011

5/27/2011

7/12/2011

7/12/2011

7/12/2011

ARV

4/11/2012

6/15/2012

10/2/2012

10/2/2012

ARV

Go to Settings to activate Windows.

Type here to search

9:29 AM

4/13/2021

6. Hiding “PQ.sent.client.date” and “PO.Sent.Vendor.Date” columns.

Tableau - Book1

File Data Server Window Help

Connections

scdf.clean

Text file

Files

Use Data Interpreter

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Assignment2_A...File (1).txt

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Assignment2_DataFile.txt

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campaign.csv

churndata.csv

copypaste.txt

data.csv

dataset2.csv

Experiment - 5...ts dataset.csv

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food-allergy...enodo (1).csv

food-allergy...is-Zenodo.csv

Link for Exercise 1.txt

Link for Lecture 1.txt

Missing Value Data.csv

nyc-rolling-sales-dirty (1).csv

nyc-rolling-sales-clean (1).csv

New Union

Go to Worksheet

scdf.clean.csv

Sort fields Data source order

Country

Fulfill.Via

INCO

Shipment.Mode

Sch.Delivery...

Client.Deliver...

Rec.Delivery.D...

Product.Group

Sub.Classifica...

Vendor

Item.Descp

Me

Rwanda

Direct Drop

CIP

Air

4/16/2010

4/16/2010

4/16/2010

ARV

Adult

MYLAN LABORAT...

Lamivudine/Teno...

Vietnam

Direct Drop

EXW

Air

9/30/2009

9/30/2009

9/30/2009

ARV

Adult

MYLAN LABORAT...

Efavirenz 600mg...

Vietnam

Direct Drop

EXW

Air

10/26/2009

10/26/2009

10/26/2009

ARV

Adult

MYLAN LABORAT...

Tenofovir Disopr...

South Africa

Direct Drop

DDP

Air

8/24/2010

8/24/2010

8/24/2010

ARV

Adult

Aurobindo Phar...

Efavirenz 600mg...

Vietnam

Direct Drop

EXW

Air

3/30/2010

3/30/2010

3/30/2010

ARV

Adult

Aurobindo Phar...

Tenofovir Disopr...

Rwanda

Direct Drop

CIP

Air

11/2/2010

11/2/2010

11/2/2010

ARV

Adult

MYLAN LABORAT...

Lamivudine/Teno...

South Africa

Direct Drop

DDP

Air

10/13/2010

1/25/2011

1/25/2011

ARV

Adult

CIPLA LIMITED

Tenofovir Disopr...

Côte d'Ivoire

Direct Drop

EXW

Air

12/1/2011

12/1/2011

12/1/2011

ARV

Adult

MYLAN LABORAT...

Abacavir/Lamiv...

South Africa

Direct Drop

DDP

Ocean

9/14/2011

10/27/2011

10/27/2011

ARV

Pediatric

Aurobindo Phar...

Efavirenz 50mg...

Benin

Direct Drop

EXW

Air

7/12/2011

7/12/2011

7/12/2011

ARV

Adult

MYLAN LABORAT...

Efavirenz/Lamiv...

Vietnam

Direct Drop

EXW

Air

10/2/2012

10/2/2012

10/2/2012

ARV

Adult

MYLAN LABORAT...

Efavirenz 600mg...

Go to Settings to activate Windows.

Type here to search

9:34 AM

4/13/2021

7. Doing custom split to get single name in “Manuf Site” column.

The screenshot displays the Tableau Desktop interface with a workbook named 'scdf.clean'. The 'Connections' pane on the left shows a text file connection. The 'Files' pane lists various data sources, including 'Assignment2_A...File (1).txt', 'Assignment2_AnswerFile.txt', 'Assignment2_DataFile (1).txt', 'Assignment2_DataFile.txt', 'campaign (1).csv', 'campaign.csv', 'churndata.csv', 'copypaste.txt', 'data.csv', 'dataset2.csv', 'Experiment - 5...ts dataset.csv', 'Experiment Results.csv', 'food-allergy...enodo (1).csv', 'food-allergy...is-Zenodo.csv', 'Link for Exercise 1.txt', 'Link for Lecture 1.txt', 'Missing Value Data.csv', 'nyc-rolling-sales-dirty (1).csv', and 'nyc-rolling-sales-dirty (1).csv'. The 'Data Source' pane shows 'Sheet 1' selected. The 'Columns' shelf contains the following fields: 'Unit.Measure...', 'Line.Item.Qty', 'Line.Item.Value', 'Pack.Price', 'Unit.Price', 'Manuf.Site', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Weight.KG', and 'F'. A 'Custom Split' dialog box is open, showing the 'How should this data be split?' section with 'Use the separator' set to a comma (',') and 'Split off' set to 'First' and '1' columns. The 'Data Source' pane shows 'Sheet 1' selected. The 'Columns' shelf contains the following fields: 'Unit.Measure...', 'Line.Item.Qty', 'Line.Item.Value', 'Pack.Price', 'Unit.Price', 'Manuf.Site', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Weight.KG', and 'F'. The 'Rows' shelf is empty. The 'Columns' shelf contains the following fields: 'Unit.Measure...', 'Line.Item.Qty', 'Line.Item.Value', 'Pack.Price', 'Unit.Price', 'Manuf.Site', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Weight.KG', and 'F'. The 'Rows' shelf is empty. The 'Columns' shelf contains the following fields: 'Unit.Measure...', 'Line.Item.Qty', 'Line.Item.Value', 'Pack.Price', 'Unit.Price', 'Manuf.Site', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Manuf.Site - S...', 'Weight.KG', and 'F'. The 'Rows' shelf is empty.

Unit.Measure...	Line.Item.Qty	Line.Item.Value	Pack.Price	Unit.Price	Manuf.Site	Manuf.Site - S...	Manuf.Site - S...	Manuf.Site - S...	Manuf.Site - S...	Weight.KG	F
30	62,209	681,188.55	10.950	0.36000	Mylan (formerly ...	Mylan (formerly ...	Mylan	Mylan	Mylan	5,795	
30	21,504	139,776.00	6.500	0.22000	Mylan (formerly ...	Mylan (formerly ...	Mylan	Mylan	Mylan	1,849	
30	1,680	13,860.00	8.250	0.28000	Mylan (formerly ...	Mylan (formerly ...	Mylan	Mylan	Mylan	110	
30	56,877	265,615.59	4.670	0.16000	Aurobindo Unit II...	Aurobindo Unit III	Aurobindo	Aurobindo	Aurobindo	4,815	
30	3,528	27,342.00	7.750	0.26000	Aurobindo Unit II...	Aurobindo Unit III	Aurobindo	Aurobindo	Aurobindo	395	
30	138,422	1,211,192.50	8.750	0.29000	Mylan (formerly ...	Mylan (formerly ...	Mylan	Mylan	Mylan	13,147	
30	19,992	156,337.44	7.820	0.26000	Cipla, Goa, India	Cipla	Cipla	Cipla	Cipla	1,378	
60	4,000	112,000.00	28.000	0.47000	Mylan (formerly ...	Mylan (formerly ...	Mylan	Mylan	Mylan	655	
30	54,768	133,633.92	2.440	0.08000	Aurobindo Unit II...	Aurobindo Unit III	Aurobindo	Aurobindo	Aurobindo	3,237	
30	1,244	17,540.40	14.100	0.47000	Mylan (formerly ...	Mylan (formerly ...	Mylan	Mylan	Mylan	175	

8. Hide the irrelevant columns of “Manuf.Site” and “Item.Descp”.

The screenshot shows the Tableau Desktop interface with a data source named 'scdf.clean'. The column shelf contains the following fields: **Manuf.Site - S...**, **Weight.KG**, **Freight.Cost**, **Line.Item.Insu...**, and **PQ.Cl**. The 'Manuf.Site' and 'Item.Descp' columns are highlighted in the column shelf.

Line.Item.Qty	Line.Item.Value	Pack.Price	Unit.Price	Manuf.Site - S...	Weight.KG	Freight.Cost	Line.Item.Insu...	PQ.Cl
300/300mg	Tablet - FDC	30	62,209	681,188.55	10,950	0.36000	Mylan	
600mg	Tablet	30	21,504	139,776.00	6,500	0.22000	Mylan	
300mg	Tablet	30	1,680	13,860.00	8,250	0.28000	Mylan	
600mg	Tablet	30	56,877	265,615.59	4,670	0.16000	Aurobindo	
300mg	Tablet	30	3,528	27,342.00	7,750	0.26000	Aurobindo	
300/300mg	Tablet - FDC	30	138,422	1,211,192.50	8,750	0.29000	Mylan	
300mg	Tablet	30	19,992	156,337.44	7,820	0.26000	Cipla	
300/150/300mg	Tablet - FDC	60	4,000	112,000.00	28,000	0.47000	Mylan	
50mg	Capsule	30	54,768	133,633.92	2,440	0.08000	Aurobindo	
600/300/300mg	Tablet - FDC	30	1,244	17,540.40	14,100	0.47000	Mylan	

9. Performed custom split on “Vendor” column to keep only firstname.

The screenshot shows the Tableau Desktop interface with a data source named 'scdf.clean'. The column shelf contains the following fields: **Vendor**, **Molecule.Type**, **Brand**, **Dosage**, **Line.Item.Qty**, **Line.Item.Value**, **Pack.Price**, **Unit.Price**, **Manufacture...**, and **Weight**. The 'Vendor' column is highlighted in the column shelf. A 'Custom Split' dialog box is open, showing the 'Vendor' column selected for splitting. The dialog box has a 'Split off' dropdown set to 'First' and a 'Columns' field set to '1'. The 'OK' button is highlighted.

Vendor	Molecule.Type	Brand	Dosage	Line.Item.Qty	Line.Item.Value	Pack.Price	Unit.Price	Manufacture...	Weight	
MYLAN LABORAT...	Lamivudine/Teno...	Generic	300mg	Tablet	30	62,209	681,188.55	10,950	0.36000	Mylan
MYLAN LABORAT...	Efavirenz	Generic	600mg	Tablet	30	21,504	139,776.00	6,500	0.22000	Mylan
MYLAN LABORAT...	Tenofovir Disopr...	Generic	300mg	Tablet	30	1,680	13,860.00	8,250	0.28000	Mylan
Aurobindo Phar...	Efavirenz	Generic	600mg	Tablet	30	56,877	265,615.59	4,670	0.16000	Aurobindo
Aurobindo Phar...	Tenofovir Disopr...	Generic	300mg	Tablet	30	3,528	27,342.00	7,750	0.26000	Aurobindo
MYLAN LABORAT...	Lamivudine/Teno...	Generic	300/300mg	Tablet - FDC	30	138,422	1,211,192.50	8,750	0.29000	Mylan
CIPLA LIMITED	Tenofovir Disopr...	Generic	300mg	Tablet	30	19,992	156,337.44	7,820	0.26000	Cipla
MYLAN LABORAT...	Abacavir/Lamivu...	Generic	300/150/300mg	Tablet - FDC	60	4,000	112,000.00	28,000	0.47000	Mylan
Aurobindo Phar...	Efavirenz	Generic	50mg	Capsule	30	54,768	133,633.92	2,440	0.08000	Aurobindo
MYLAN LABORAT...	Efavirenz/Lamiv...	Generic	600/300/300mg	Tablet - FDC	30	1,244	17,540.40	14,100	0.47000	Mylan

10. Performed mathematical calculation to get item throughput by performing the following : $\text{item.quantity} / \text{unit.measure.per.pack}$.

The screenshot shows the Tableau Desktop interface. On the left, the 'Connections' pane lists 'scdf.clean' as a Text file. The 'Files' pane shows various data sources. The main view displays a data source named 'scdf.clean.csv'. A dialog box titled 'Need more data?' is open, showing the calculation $[\text{Line.Item.Qty}] / [\text{Unit.Measure.Per.Pack}]$ for the field 'Item.Throughput'. The background shows a data table with columns like Vendor.Name, Molecule.Type, Dosage, Dosage.Form, Unit.Measure..., Line.Item.Qty, Item.Throughput, Line.Item.Value, Pack.Price, Unit.Price, and Manufacture....

11. Sorting columns w.r.t “Data Source Order”.

The screenshot shows the Tableau Desktop interface. The 'Sort fields' dropdown menu is open, and 'Data source order' is selected. The background shows a data table with columns like Vendor.Name, Dosage, Dosage.Form, Unit.Measure..., Line.Item.Qty, Item.Throughput, Line.Item.Value, Pack.Price, Unit.Price, and Manufacture....

12. Used “Use Data Interpreter” function to identify the flaws in my work.

The screenshot shows the Tableau Desktop interface with the 'scdf.clean' data source selected. The 'Connections' pane on the left lists various files, including 'scdf.clean' and several CSV files. The 'Files' pane shows a list of files, including 'Assignment2_A...erFile (1.txt)', 'Assignment2_AnswerFile.txt', 'Assignment2_DataFile (1).txt', 'Assignment2_DataFile.txt', 'campaign (1).csv', 'campaign.csv', 'churndata.csv', 'coppypaste.txt', 'data.csv', 'dataset2.csv', 'Experiment - ...153734175.csv', 'Experiment Results.csv', 'food-allergy-analysis-Zen.csv', 'food-allergy-analysis-Zen.csv', 'Link for Exercise1.txt', 'Link for Lecture1.txt', 'Missing Value Data.csv', 'nyc-rolling-sales-dirty (.csv)', and 'nyc-rolling-sales-dirty (.csv)'. The 'Data Source' pane shows 'scdf.clean' as the selected source. The 'Data Source' pane also shows a 'Sheet1' tab. The main view displays a data table with columns: Vendor.Name, Molecule.Type, Brand, Dosage, Dosage.Form, Unit.Measure..., Line.Item.Qty, Line.Item.Value, Pack.Price, Unit.Price, Weight.KG, and Freight.Cc. The table contains data for various vendors and products, including CIPLA, BRISTOL-MYERS, Aurobindo, ABBVIE, GILEAD, SUN, MYLAN, and BRISTOL-MYERS. The table is sorted by 'Data source order'.

Vendor.Name	Molecule.Type	Brand	Dosage	Dosage.Form	Unit.Measure...	Line.Item.Qty	Line.Item.Value	Pack.Price	Unit.Price	Weight.KG	Freight.Cc
CIPLA	Lamivudine/Zido...	Generic	150/300mg	Tablet - FDC		60	10,000	99,800.00	9.980	0.17000	7,416
BRISTOL-MYERS	Didanosine	Videx	2g	Powder for oral s...		200	712	8,964.08	12.590	0.06000	162
Aurobindo	Nevirapine	Generic	10mg/ml	Oral suspension		240	1,000	1,920.00	1.920	0.01000	941
ABBVIE	Lopinavir/Ritona...	Aluvia	200/50mg	Tablet		120	500	41,095.00	82.190	0.68000	117
Aurobindo	Stavudine	Generic	30mg	Capsule		60	64,000	99,200.00	1.550	0.03000	4,228
GILEAD	Tenofovir Disopr...	Viread	300mg	Tablet		30	1,000	17,000.00	17.000	0.57000	76
SUN	Zidovudine	Generic	300mg	Tablet		60	400	3,352.00	8.380	0.14000	23
MYLAN	Efavirenz	Generic	600mg	Tablet		30	8,400	96,432.00	11.480	0.38000	654
BRISTOL-MYERS	Didanosine	Videx	25mg	Chewable/disper...		60	400	2,800.00	7.000	0.12000	81
MYLAN	Tenofovir Disopr...	Generic	300mg	Tablet		30	1,344	18,359.04	13.660	0.46000	1,537
BRISTOL-MYERS	Didanosine	Videx	25mg	Chewable/disper...		30	7,687	61,470.00	20.490	0.68000	117

Note: However, csv that was submitted was exported before performing the Data interpreter function.