OpenRefine Task Report

AMPLY

Blessy Louis

Date

03.07.2024

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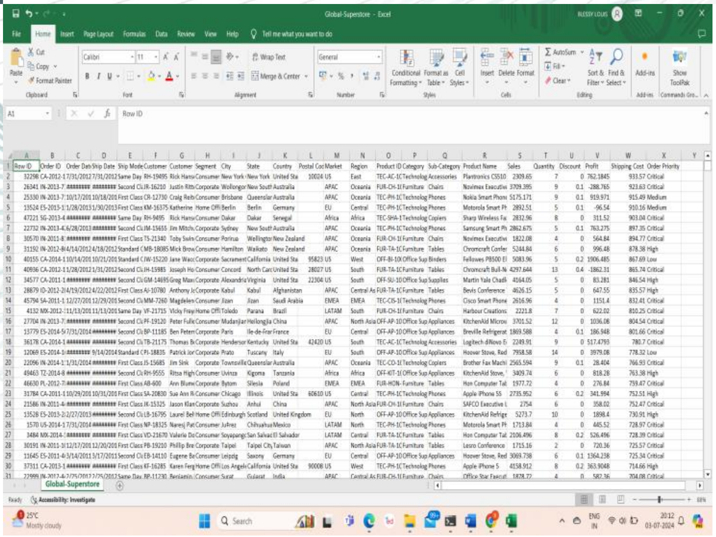
INTRODUCTION

OpenRefine is a powerful open-source tool for working with messy data. It allows users to clean, transform, and enrich datasets by providing an intuitive interface for performing a wide variety of data wrangling tasks. OpenRefine supports operations such as data cleaning, clustering, normalization, and transformation. It can handle large datasets and is capable of importing data from various formats, including CSV, Excel, JSON, and XML. With its ability to undo and redo steps, users can experiment with different data cleaning strategies and track changes easily. OpenRefine is particularly useful for data scientists and analysts who need to prepare data for analysis or visualization.



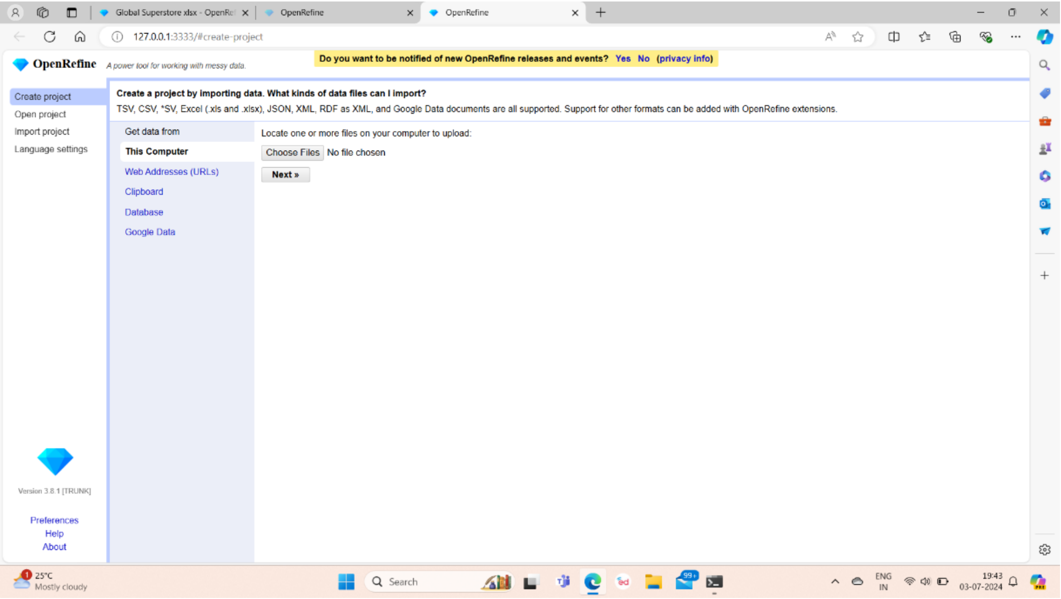
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Row ID	Order ID	Order Dat	Ship Date	Ship Mode	Customer	Customer	Segment	City	State	Country	Postal Coc	Market	Region	Product ID	Category	Sub-Category	Product Name	Sales	Quantity	Discount	Profit	Shipping Cost	Order Priority
2	32298	CA-2012-1	7/31/2012	7/31/2012	Same Day	RH-19495	Rick Hans	Consumer	New York	New York	United Sta	10024	US	East	TEC-AC-1C	Technolog	Accessories	Plantronics CS510	2309.65	7	0	762.1845	933.57	Critical
3	26341	IN-2013-7	########	########	Second Cl	JR-16210	Justin Ritt	Corporate	Wollongor	New South	Australia		APAC	Oceania	FUR-CH-1	Furniture	Chairs	Novimex Executiv	3709.395	9	0.1	-288.765	923.63	Critical
4	25330	IN-2013-7	10/17/201	10/18/201	First Class	CR-12730	Craig Reit	Consumer	Brisbane	Queenslar	Australia		APAC	Oceania	TEC-PH-1C	Technolog	Phones	Nokia Smart Phon	5175.171	9	0.1	919.971	915.49	Medium
5	13524	ES-2013-1	1/28/2013	1/30/2013	First Class	KM-16375	Katherine	Home Offi	Berlin	Berlin	Germany		EU	Central	TEC-PH-1C	Technolog	Phones	Motorola Smart Ph	2892.51	5	0.1	-96.54	910.16	Medium
6	47221	SG-2013-4	########	########	Same Day	RH-9495	Rick Hans	Consumer	Dakar	Dakar	Senegal		Africa	Africa	TEC-SHA-1	Technolog	Copiers	Sharp Wireless Fa	2832.96	8	0	311.52	903.04	Critical
7	22732	IN-2013-4	6/28/2013	########	Second Cl	JM-15655	Jim Mitch	Corporate	Sydney	New South	Australia		APAC	Oceania	TEC-PH-1C	Technolog	Phones	Samsung Smart Ph	2862.675	5	0.1	763.275	897.35	Critical
8	30570	IN-2011-8	########	########	First Class	TS-21340	Toby Swin	Consumer	Porirua	Wellingto	New Zealand		APAC	Oceania	FUR-CH-1	Furniture	Chairs	Novimex Executiv	1822.08	4	0	564.84	894.77	Critical
9	31192	IN-2012-8	4/14/2012	4/18/2012	Standard C	MB-18085	Mick Brow	Consumer	Hamilton	Waikato	New Zealand		APAC	Oceania	FUR-TA-1C	Furniture	Tables	Chromcraft Confer	5244.84	6	0	996.48	878.38	High
10	40155	CA-2014-1	10/14/201	10/21/201	Standard C	JW-15220	Jane Wacc	Corporate	Sacrament	California	United Sta	95823	US	West	OFF-BI-10	Office Sup	Binders	Fellowes PB500 El	5083.96	5	0.2	1906.485	867.69	Low
11	40936	CA-2012-1	1/28/2012	1/31/2012	Second Cl	JH-15985	Joseph Ho	Consumer	Concord	North Carc	United Sta	28027	US	South	FUR-TA-1C	Furniture	Tables	Chromcraft Bull-N	4297.644	13	0.4	-1862.31	865.74	Critical
12	34577	CA-2011-1	########	########	Second Cl	GM-14695	Greg Max	Corporate	Alexandria	Virginia	United Sta	22304	US	South	OFF-SU-10	Office Sup	Supplies	Martin Yale Chadl	4164.05	5	0	83.281	846.54	High
13	28879	ID-2012-2	4/19/2012	4/22/2012	First Class	AJ-10780	Anthony J	Corporate	Kabul	Kabul	Afghanistan		APAC	Central As	FUR-TA-1C	Furniture	Tables	Bevis Conference	4626.15	5	0	647.55	835.57	High
14	45794	SA-2011-1	12/27/201	12/29/201	Second Cl	MM-7260	Magdelen	Consumer	Jizan	Jizan	Saudi Arabia		EMEA	EMEA	TEC-CIS-1	Technolog	Phones	Cisco Smart Phone	2616.96	4	0	1151.4	832.41	Critical
15	4132	MX-2012-	11/13/201	11/13/201	Same Day	VF-21715	Vicky Frey	Home Offi	Toledo	Parana	Brazil		LATAM	South	FUR-CH-1	Furniture	Chairs	Harbour Creations	2221.8	7	0	622.02	810.25	Critical
16	27704	IN-2013-7	########	########	Second Cl	PF-19120	Peter Fulle	Consumer	Mudanjiar	Heilongjia	China		APAC	North Asia	OFF-AP-10	Office Sup	Appliances	KitchenAid Microv	3701.52	12	0	1036.08	804.54	Critical
17	13779	ES-2014-5	7/31/2014	########	Second Cl	BP-11185	Ben Peter	Corporate	Paris	Ile-de-Frar	France		EU	Central	OFF-AP-10	Office Sup	Appliances	Breville Refrigerat	1869.588	4	0.1	186.948	801.66	Critical
18	36178	CA-2014-1	########	########	Second Cl	TB-21175	Thomas B	Corporate	Henderson	Kentucky	United Sta	42420	US	South	TEC-AC-1C	Technolog	Accessories	Logitech diNovo E	2249.91	9	0	517.4793	780.7	Critical
19	12069	ES-2014-1	########	9/14/2014	Standard C	PJ-18835	Patrick Jor	Corporate	Prato	Tuscany	Italy		EU	South	OFF-AP-10	Office Sup	Appliances	Hoover Stove, Red	7958.58	14	0	3979.08	778.32	Low
20	22096	IN-2014-1	1/31/2014	########	First Class	JS-15685	Jim Sink	Corporate	Townsville	Queenslar	Australia		APAC	Oceania	TEC-CO-1	Technolog	Copiers	Brother Fax Machi	2565.594	9	0.1	28.404	766.93	Critical
21	49463	TZ-2014-8	########	########	Second Cl	RH-9555	Ritsa High	Consumer	Uvinza	Kigoma	Tanzania		Africa	Africa	OFF-KIT-1	Office Sup	Appliances	KitchenAid Stove,	3409.74	6	0	818.28	763.38	High
22	46630	PL-2012-7	########	########	First Class	AB-600	Ann Blume	Corporate	Bytom	Silesia	Poland		EMEA	EMEA	FUR-HON-	Furniture	Tables	Hon Computer Tal	1977.72	4	0	276.84	759.47	Critical
23	31784	CA-2011-1	10/29/201	10/31/201	First Class	SA-20830	Sue Ann R	Consumer	Chicago	Illinois	United Sta	60610	US	Central	TEC-PH-1C	Technolog	Phones	Apple iPhone 5S	2735.952	6	0.2	341.994	752.51	High
24	21586	IN-2011-4	########	########	First Class	JK-15325	Jason Klan	Corporate	Suzhou	Anhui	China		APAC	North Asia	FUR-CH-1	Furniture	Chairs	SAFCO Executive L	2754	6	0	358.02	752.47	Critical
25	13528	ES-2013-2	2/27/2013	########	Second Cl	LB-16795	Laurel Bel	Home Offi	Edinburgh	Scotland	United Kingdom		EU	North	OFF-AP-10	Office Sup	Appliances	KitchenAid Refrige	5273.7	10	0	1898.4	730.91	High
26	1570	US-2014-1	7/31/2014	########	First Class	NP-18325	Naresj Pat	Consumer	Juárez	Chihuahua	Mexico		LATAM	North	TEC-PH-1C	Technolog	Phones	Motorola Smart Ph	1713.84	4	0	445.52	728.97	Critical
27	3484	MX-2014-	########	########	First Class	VD-21670	Valerie Do	Consumer	Soyapango	San Salvac	El Salvador		LATAM	Central	FUR-TA-1C	Furniture	Tables	Hon Computer Tal	2106.496	8	0.2	526.496	728.39	Critical
28	30191	IN-2011-1	12/17/201	12/20/201	First Class	PB-19210	Phillip Bre	Corporate	Taipei	Taipei City	Taiwan		APAC	North Asia	FUR-TA-1C	Furniture	Tables	Lesro Conference	1715.16	2	0	720.36	725.57	Critical
29	11645	ES-2011-4	3/14/2011	3/17/2011	Second Cl	EB-14110	Eugene Ba	Consumer	Leipzig	Saxony	Germany		EU	Central	OFF-AP-10	Office Sup	Appliances	Hoover Stove, Red	3069.738	6	0.1	1364.238	725.34	Critical
30	37311	CA-2013-1	########	########	First Class	KF-16285	Karen Ferg	Home Offi	Los Angel	California	United Sta	90008	US	West	TEC-PH-1C	Technolog	Phones	Apple iPhone 5	4158.912	8	0.2	363.9048	714.66	High
31	22999	IN-2012-4	2/25/2012	2/25/2012	Same Day	BP-11230	Benjamin	Consumer	Surat	Gujarat	India		APAC	Central As	FUR-CH-1	Furniture	Chairs	Office Star Execut	1828.72	4	0	582.36	704.08	Critical

THE DATASET

Data Description

This dataset contains detailed transactional information regarding orders, spanning various attributes. Each record is uniquely identified by a Row ID and includes an Order ID to specify individual transactions. The dataset captures the timeline of each order with Order Date and Ship Date, alongside the shipping preferences indicated by the Ship Mode. Customer details are meticulously recorded, including Customer ID, Customer Name, Segment (which likely categorizes the type of customer), City, State, Country, and Postal Code. Additionally, the dataset distinguishes the Market and Region of each transaction. Product details are comprehensive, featuring Product ID, Category, Sub-Category, and Product Name, reflecting a diverse range of items. Financial aspects are captured through fields like Sales, Quantity, Discount, Profit, and Shipping Cost. Finally, the Order Priority field suggests the urgency assigned to each order, potentially influencing the shipping process. This rich dataset is ideal for analyzing sales performance, customer behavior, and logistical efficiency across different geographical and market segments.

Dataset Upload



127.0.0.1:3333/#create-project

OpenRefine *A power tool for working with messy data.*

Do you want to be notified of new OpenRefine releases and events? Yes No (privacy info)

Create a project by importing data. What kinds of data files can I import?

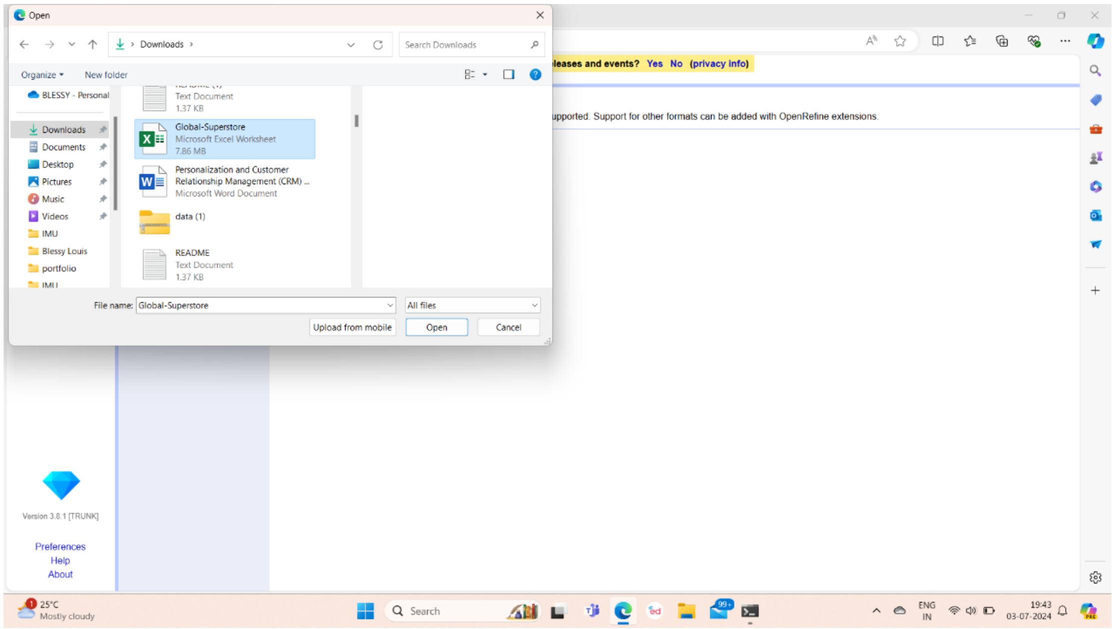
TSV, CSV, *SV, Excel (.xls and .xlsx), JSON, XML, RDF as XML, and Google Data documents are all supported. Support for other formats can be added with OpenRefine extensions.

Locate one or more files on your computer to upload:

Choose Files No file chosen

Version 3.8.1 [TRUNK]

After the OpenRefine application is installed, we open the application after extracting the zipped file, we encounter an interface like above.



Open

Downloads ›

File name: Global-Superstore

All files

Text Document
1.37 KB

Global-Superstore
Microsoft Excel Worksheet
7.86 MB

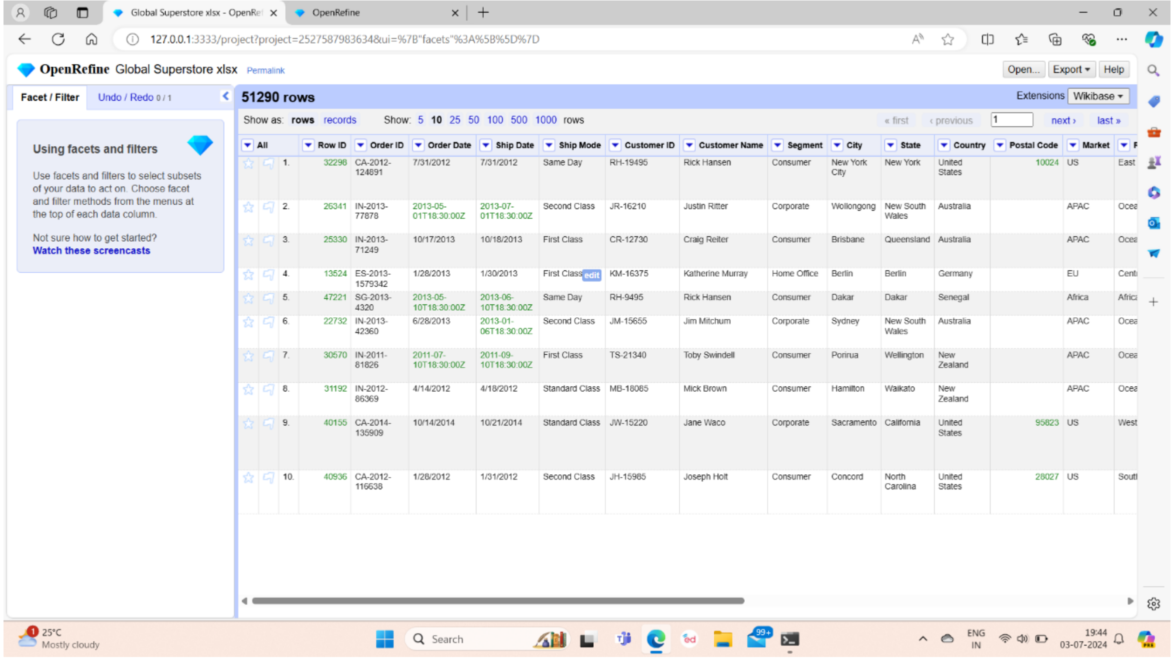
Personalization and Customer Relationship Management (CRM) ...
Microsoft Word Document

data (1)

README
Text Document
1.37 KB

Version 3.8.1 [TRUNK]

We select the dataset file from the local files



OpenRefine Global Superstore xlsx Permalink

127.0.0.1:3333/project?project=2527587983634&ui=%7B"facets"%3A%5B%5D%7D

Using facets and filters

Use facets and filters to select subsets of your data to act on. Choose facet and filter methods from the menus at the top of each data column.

Not sure how to get started?
Watch these screencasts

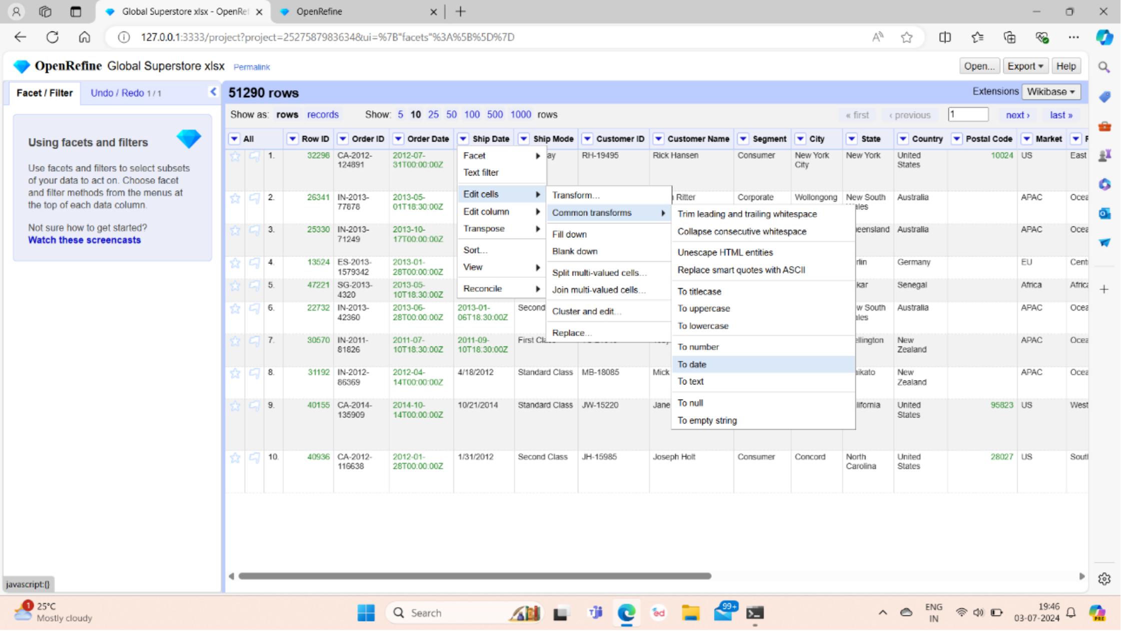
51290 rows

Show as: **rows** records   Show: 5 **10** 25 50 100 500 1000 rows

	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	Country	Postal Code	Market	F
1.	32298	CA-2012-124891	7/31/2012	7/31/2012	Same Day	RH-19495	Rick Hansen	Consumer	New York City	New York	United States	10024	US	East
2.	26341	IN-2013-77878	2013-05-01T18:30:00Z	2013-07-01T18:30:00Z	Second Class	JR-16210	Justin Ritter	Corporate	Wollongong	New South Wales	Australia		APAC	Ocea
3.	25330	IN-2013-71249	10/17/2013	10/18/2013	First Class	CR-12730	Craig Reiter	Consumer	Brisbane	Queensland	Australia		APAC	Ocea
4.	13524	ES-2013-1579342	1/28/2013	1/30/2013	First Class	KM-16375	Katherine Murray	Home Office	Berlin	Berlin	Germany		EU	Cent
5.	47221	SG-2013-4320	2013-05-10T18:30:00Z	2013-06-10T18:30:00Z	Same Day	RH-9495	Rick Hansen	Consumer	Dakar	Dakar	Senegal		Africa	Afric
6.	22732	IN-2013-42360	6/28/2013	2013-01-06T18:30:00Z	Second Class	JM-15655	Jim Mitchum	Corporate	Sydney	New South Wales	Australia		APAC	Ocea
7.	30570	IN-2011-81826	2011-07-10T18:30:00Z	2011-09-10T18:30:00Z	First Class	TS-21340	Toby Swindell	Consumer	Porirua	Wellington	New Zealand		APAC	Ocea
8.	31192	IN-2012-86369	4/14/2012	4/18/2012	Standard Class	MB-18085	Mick Brown	Consumer	Hamilton	Waikato	New Zealand		APAC	Ocea
9.	40155	CA-2014-135909	10/14/2014	10/21/2014	Standard Class	JW-15220	Jane Waco	Corporate	Sacramento	California	United States	95823	US	West
10.	40936	CA-2012-116638	1/28/2012	1/31/2012	Second Class	JH-15985	Joseph Holt	Consumer	Concord	North Carolina	United States	28027	US	Sout

The dataset is uploaded successfully to the application.

Data Formatting



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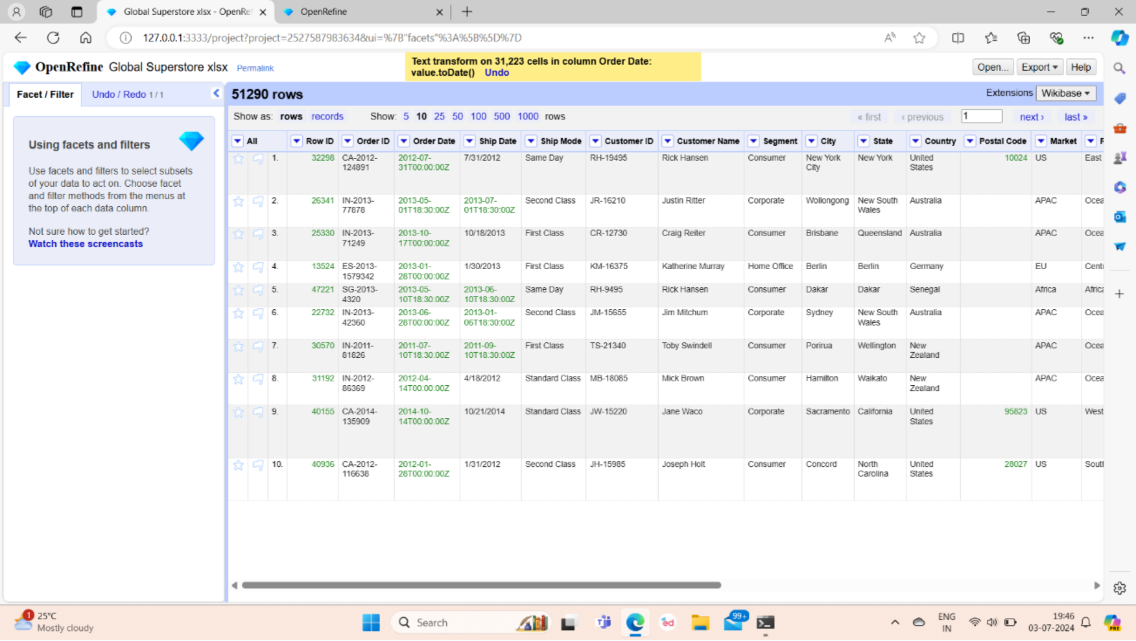


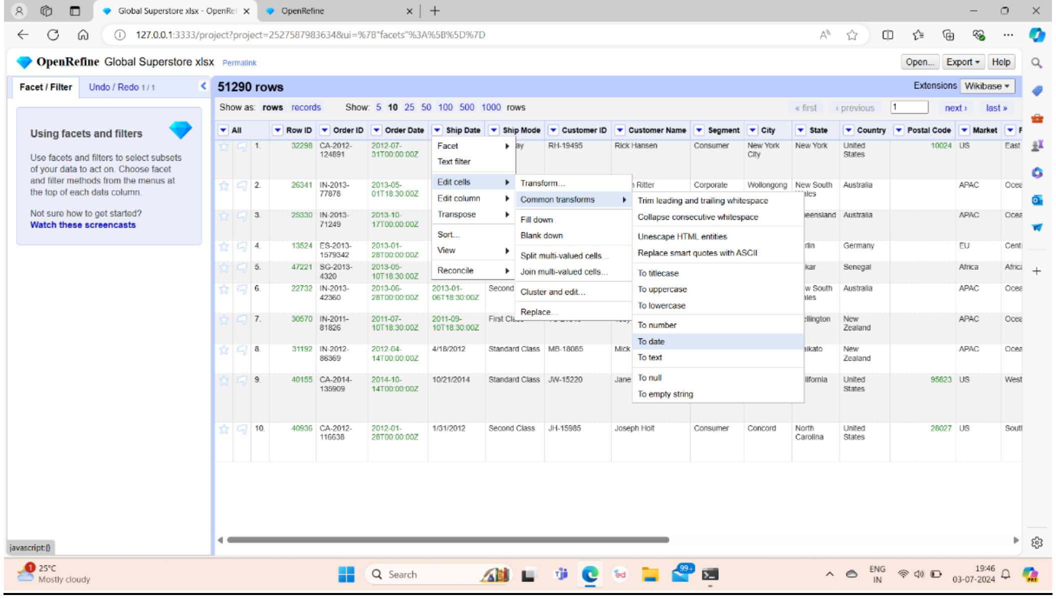
Text transform on 31,223 cells in column Order Date:
value.toDate() Undo

51290 rows

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

All	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	Country	Postal Code	Market	F
1.	32298	CA-2012-124891	2012-07-31T00:00:00Z	7/31/2012	Same Day	RH-19495	Rick Hansen	Consumer	New York City	New York	United States	10024	US	East
2.	26341	IN-2013-77878	2013-05-01T18:30:00Z	2013-07-01T18:30:00Z	Second Class	JR-16210	Justin Ritter	Corporate	Wollongong	New South Wales	Australia		APAC	Ocea
3.	25330	IN-2013-71249	2013-10-17T00:00:00Z	10/18/2013	First Class	CR-12730	Craig Reiter	Consumer	Brisbane	Queensland	Australia		APAC	Ocea
4.	13524	ES-2013-1579342	2013-01-28T00:00:00Z	1/30/2013	First Class	KM-16375	Katherine Murray	Home Office	Berlin	Berlin	Germany		EU	Centi
5.	47221	SG-2013-4320	2013-05-10T18:30:00Z	2013-06-10T18:30:00Z	Same Day	RH-9495	Rick Hansen	Consumer	Dakar	Dakar	Senegal		Africa	Africa
6.	22732	IN-2013-42360	2013-06-28T00:00:00Z	2013-01-06T18:30:00Z	Second Class	JM-15655	Jim Mitchum	Corporate	Sydney	New South Wales	Australia		APAC	Ocea
7.	30570	IN-2011-81826	2011-07-10T18:30:00Z	2011-09-10T18:30:00Z	First Class	TS-21340	Toby Swindell	Consumer	Porirua	Wellington	New Zealand		APAC	Ocea
8.	31192	IN-2012-86369	2012-04-14T00:00:00Z	4/18/2012	Standard Class	MB-18085	Mick Brown	Consumer	Hamilton	Waikato	New Zealand		APAC	Ocea
9.	40155	CA-2014-135909	2014-10-14T00:00:00Z	10/21/2014	Standard Class	JW-15220	Jane Waco	Corporate	Sacramento	California	United States	95823	US	West
10.	40936	CA-2012-116638	2012-01-28T00:00:00Z	1/31/2012	Second Class	JH-15985	Joseph Holt	Consumer	Concord	North Carolina	United States	28027	US	Soutl

Formatting the order date column to date format



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51290 rows

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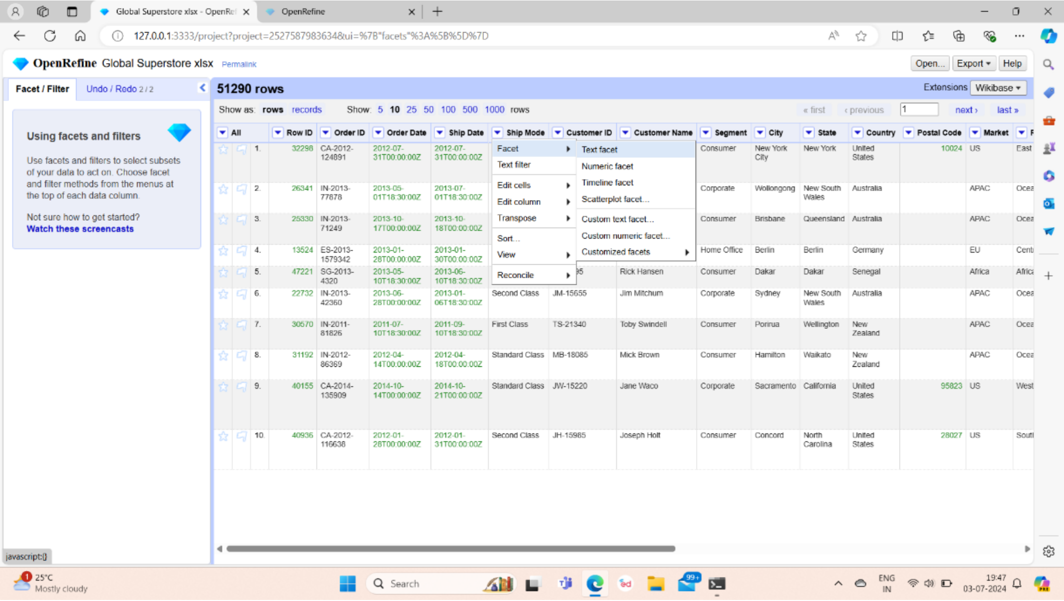
4.	13524	ES-2013-1579342	2013-01-28T00:00:00Z							rlin	Germany		EU	Cent
5.	47221	SG-2013-4320	2013-05-10T18:30:00Z							kar	Senegal		Africa	Africa
6.	22732	IN-2013-42360	2013-06-28T00:00:00Z	2013-01-06T18:30:00Z	Second					w South ales	Australia		APAC	Ocea
7.	30570	IN-2011-81826	2011-07-10T18:30:00Z	2011-09-10T18:30:00Z	First Cl					llington	New Zealand		APAC	Ocea
8.	31192	IN-2012-86369	2012-04-14T00:00:00Z	4/18/2012	Standard Class	MB-18085	Mick			ikato	New Zealand		APAC	Ocea
9.	40155	CA-2014-135909	2014-10-14T00:00:00Z	10/21/2014	Standard Class	JW-15220	Jane			lifornia	United States	95823	US	West
10.	40936	CA-2012-116638	2012-01-28T00:00:00Z	1/31/2012	Second Class	JH-15985	Joseph Holt	Consumer	Concord	North Carolina	United States	28027	US	Sout

Similarly converting ship date to date format.



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2.	26341	IN-2013-77878	2013-05-01T18:30:00Z	2013-07-01T18:30:00Z				Corporate	Wollongong	New South Wales	Australia		APAC	Ocea
3.	25330	IN-2013-71249	2013-10-17T00:00:00Z	2013-10-18T00:00:00Z				Consumer	Brisbane	Queensland	Australia		APAC	Ocea
4.	13524	ES-2013-1579342	2013-01-28T00:00:00Z	2013-01-30T00:00:00Z				Home Office	Berlin	Berlin	Germany		EU	Cent
5.	47221	SG-2013-4320	2013-05-10T18:30:00Z	2013-06-10T18:30:00Z		95	Rick Hansen	Consumer	Dakar	Dakar	Senegal		Africa	Africa
6.	22732	IN-2013-42360	2013-06-28T00:00:00Z	2013-01-06T18:30:00Z	Second Class	JM-15655	Jim Mitchum	Corporate	Sydney	New South Wales	Australia		APAC	Ocea
7.	30570	IN-2011-81826	2011-07-10T18:30:00Z	2011-09-10T18:30:00Z	First Class	TS-21340	Toby Swindell	Consumer	Porirua	Wellington	New Zealand		APAC	Ocea
8.	31192	IN-2012-86369	2012-04-14T00:00:00Z	2012-04-18T00:00:00Z	Standard Class	MB-18085	Mick Brown	Consumer	Hamilton	Waikato	New Zealand		APAC	Ocea
9.	40155	CA-2014-135909	2014-10-14T00:00:00Z	2014-10-21T00:00:00Z	Standard Class	JW-15220	Jane Waco	Corporate	Sacramento	California	United States	95823	US	West
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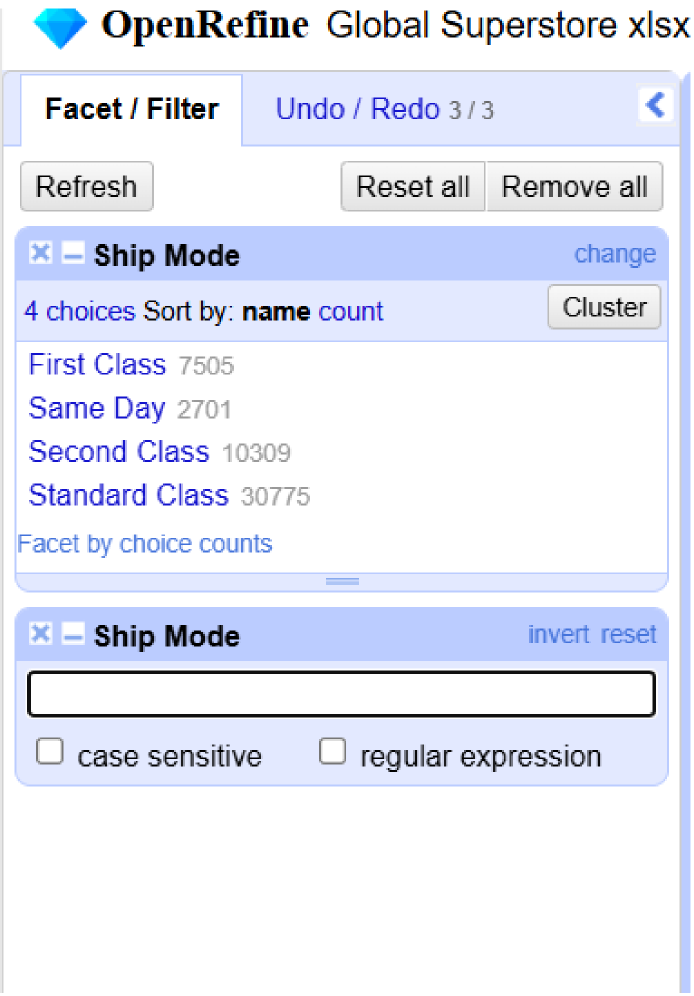
Performing text facet:



OpenRefine Global Superstore xlsx

Ship Mode change

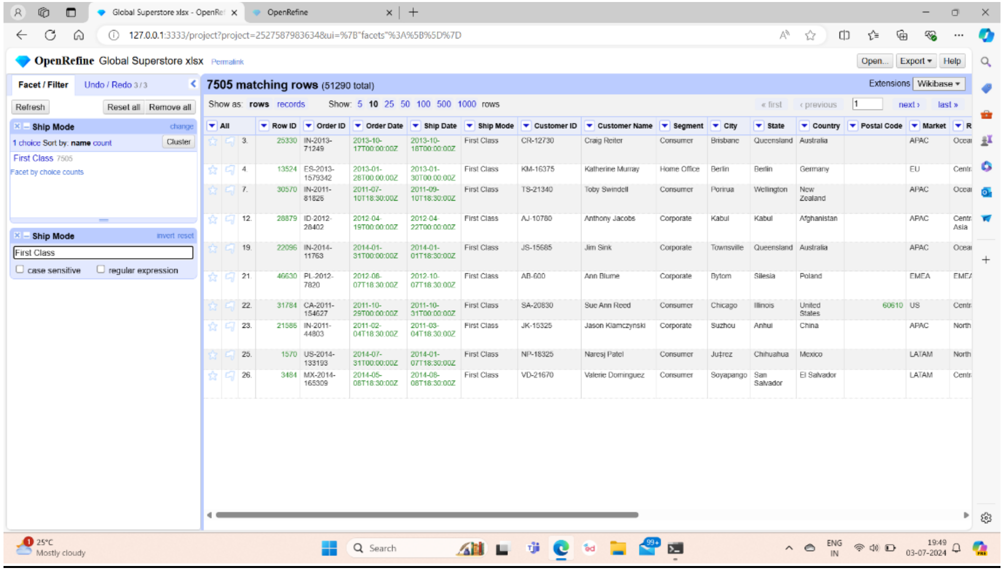
4 choices Sort by: **name** count Cluster

First Class 7505
Same Day 2701
Second Class 10309
Standard Class 30775

Facet by choice counts

Ship Mode invert reset

☐ case sensitive ☐ regular expression



127.0.0.1:3333/project?project=2527587983634&ui=%7B"facets"%3A%5B%5D%7D

OpenRefine Global Superstore xlsx Permalink

Ship Mode change

1 choice Sort by: **name** count Cluster

First Class 7505

Facet by choice counts

Ship Mode invert reset

First Class

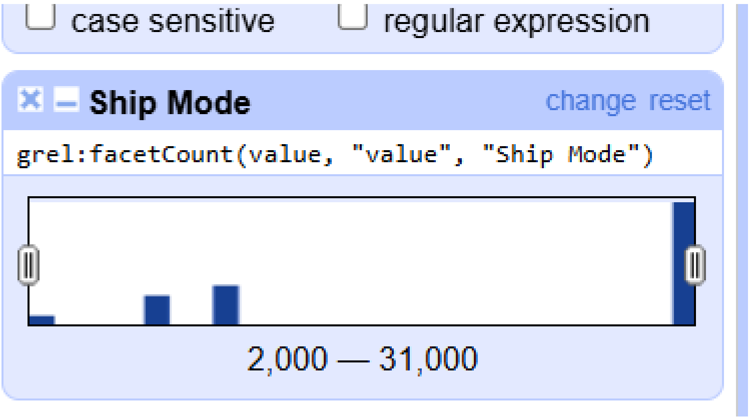
☐ case sensitive ☐ regular expression

7505 matching rows (51290 total)

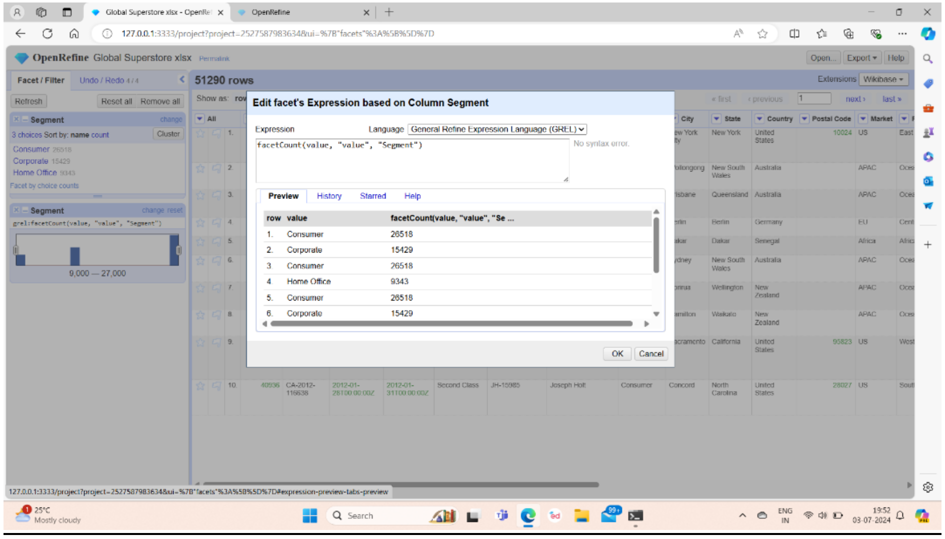
Extensions Wikibase ▾

Show as: **rows** records Show: 5 **10** 25 50 100 500 1000 rows « first ‹ previous 1 next › last »

All	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	Country	Postal Code	Market	R
3.	25330	IN-2013-71249	2013-10-17T00:00:00Z	2013-10-18T00:00:00Z	First Class	CR-12730	Craig Reiter	Consumer	Brisbane	Queensland	Australia		APAC	Ocea
4.	13524	ES-2013-1579342	2013-01-28T00:00:00Z	2013-01-30T00:00:00Z	First Class	KM-16375	Katherine Murray	Home Office	Berlin	Berlin	Germany		EU	Centr
7.	30570	IN-2011-81826	2011-07-10T18:30:00Z	2011-09-10T18:30:00Z	First Class	TS-21340	Toby Swindell	Consumer	Porirua	Wellington	New Zealand		APAC	Ocea
12.	28879	ID-2012-28402	2012-04-19T00:00:00Z	2012-04-22T00:00:00Z	First Class	AJ-10780	Anthony Jacobs	Corporate	Kabul	Kabul	Afghanistan		APAC	Centr Asia
19.	22096	IN-2014-11763	2014-01-31T00:00:00Z	2014-01-01T18:30:00Z	First Class	JS-15685	Jim Sink	Corporate	Townsville	Queensland	Australia		APAC	Ocea
21.	46630	PL-2012-7820	2012-08-07T18:30:00Z	2012-10-07T18:30:00Z	First Class	AB-600	Ann Blume	Corporate	Bytom	Silesia	Poland		EMEA	EMEA
22.	31784	CA-2011-154627	2011-10-29T00:00:00Z	2011-10-31T00:00:00Z	First Class	SA-20830	Sue Ann Reed	Consumer	Chicago	Illinois	United States	60610	US	Centr
23.	21586	IN-2011-44803	2011-02-04T18:30:00Z	2011-03-04T18:30:00Z	First Class	JK-15325	Jason Klamczynski	Corporate	Suzhou	Anhui	China		APAC	North
25.	1570	US-2014-133193	2014-07-31T00:00:00Z	2014-01-07T18:30:00Z	First Class	NP-18325	Naresj Patel	Consumer	Ju‡rez	Chihuahua	Mexico		LATAM	North
26.	3484	MX-2014-165309	2014-05-08T18:30:00Z	2014-08-08T18:30:00Z	First Class	VD-21670	Valerie Dominguez	Consumer	Soyapango	San Salvador	El Salvador		LATAM	Centr



```
grel:facetCount(value, "value", "Ship Mode")
```



```
grel:facetCount(value, "value", "Segment")
```

Edit facet's Expression based on Column Segment

Expression — Language: General Refine Expression Language (GREL)

```
facetCount(value, "value", "Segment")
```

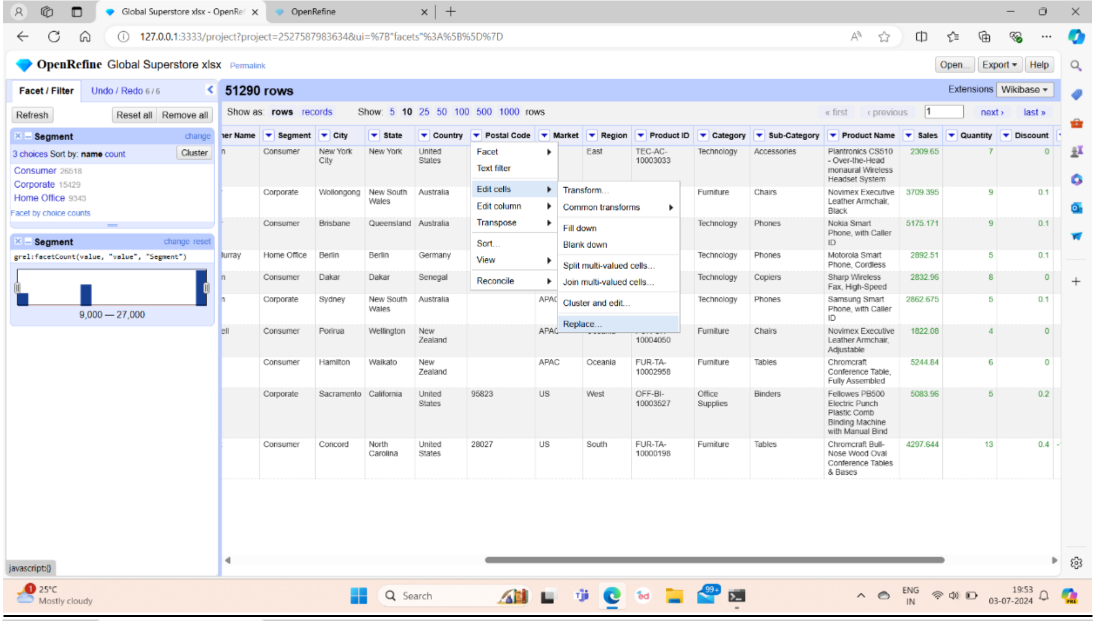
No syntax error.

Preview | History | Starred | Help

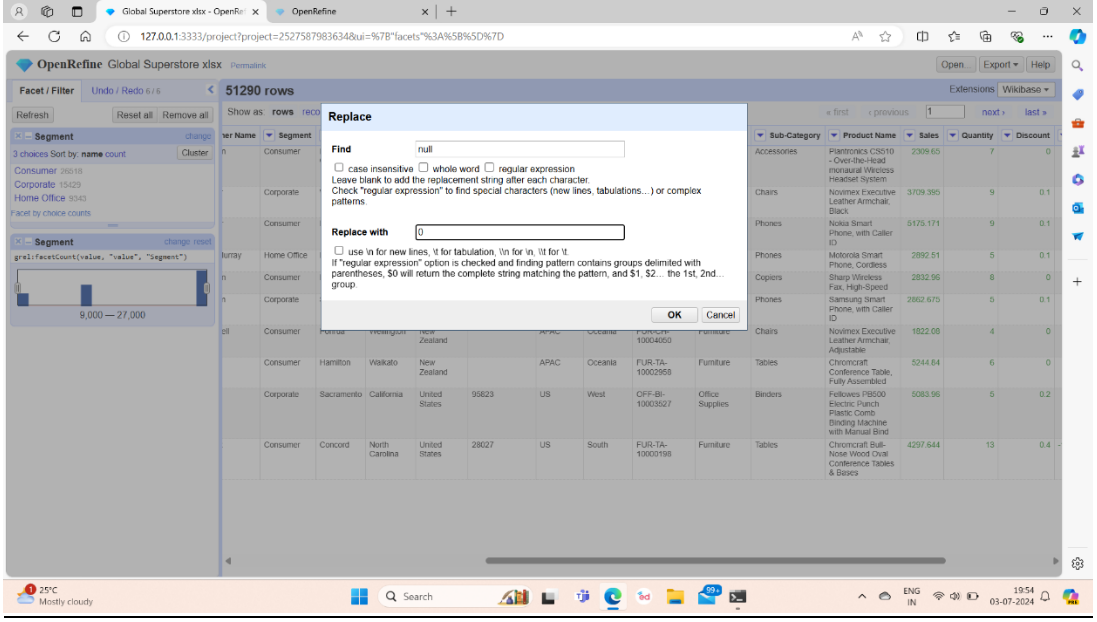
row	value	facetCount(value, "value", "Se ...
1.	Consumer	26518
2.	Corporate	15429
3.	Consumer	26518
4.	Home Office	9343
5.	Consumer	26518
6.	Corporate	15429

OK | Cancel

127.0.0.1:3333/project?project=2527587983634&ui=%7B"facets"%3A%5B%5D%7D#expression-preview-tabs-preview



er Name	Segment	City	State	Country	Postal Code	Market	Region	Product ID	Category	Sub-Category	Product Name	Sales	Quantity	Discount
n	Consumer	New York City	New York	United States			East	TEC-AC-10003033	Technology	Accessories	Plantronics CS510 - Over-the-Head monaural Wireless Headset System	2309.65	7	0
	Corporate	Wollongong	New South Wales	Australia					Furniture	Chairs	Novimex Executive Leather Armchair, Black	3709.395	9	0.1
	Consumer	Brisbane	Queensland	Australia					Technology	Phones	Nokia Smart Phone, with Caller ID	5175.171	9	0.1
lurray	Home Office	Berlin	Berlin	Germany					Technology	Phones	Motorola Smart Phone, Cordless	2892.51	5	0.1
n	Consumer	Dakar	Dakar	Senegal					Technology	Copiers	Sharp Wireless Fax, High-Speed	2832.96	8	0
n	Corporate	Sydney	New South Wales	Australia		APAC			Technology	Phones	Samsung Smart Phone, with Caller ID	2862.675	5	0.1
ell	Consumer	Porirua	Wellington	New Zealand		APAC		10004050	Furniture	Chairs	Novimex Executive Leather Armchair, Adjustable	1822.08	4	0
	Consumer	Hamilton	Waikato	New Zealand		APAC	Oceania	FUR-TA-10002958	Furniture	Tables	Chromcraft Conference Table, Fully Assembled	5244.84	6	0
	Corporate	Sacramento	California	United States	95823	US	West	OFF-BI-10003527	Office Supplies	Binders	Fellowes PB500 Electric Punch Plastic Comb Binding Machine with Manual Bind	5083.96	5	0.2
	Consumer	Concord	North Carolina	United States	28027	US	South	FUR-TA-10000198	Furniture	Tables	Chromcraft Bull-Nose Wood Oval Conference Tables & Bases	4297.644	13	0.4


Global Superstore xlsx - OpenRe
OpenRefine
127.0.0.1:3333/project?project=2527587983634&ui=%7B"facets"%3A%5B%5D%7D
OpenRefine Global Superstore xlsx Permalink
51290 rows
OK
Cancel
25°C
Mostly cloudy
Search
ENG
IN
19:54
03-07-2024

Replace

Find: null

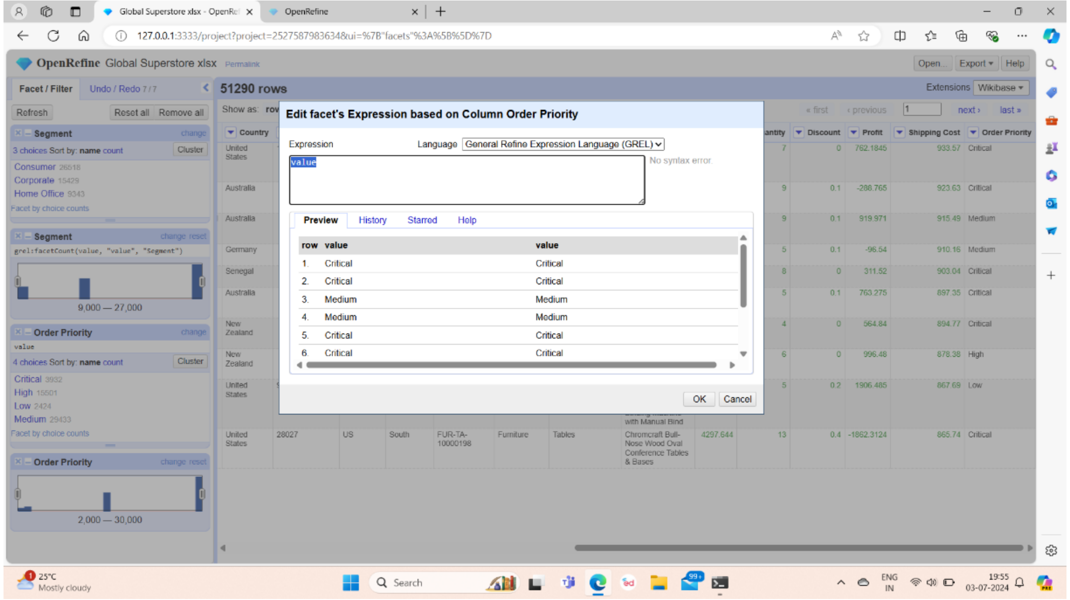
□ case insensitive □ whole word □ regular expression

Leave blank to add the replacement string after each character.
Check "regular expression" to find special characters (new lines, tabulations...) or complex patterns.

Replace with: 0

□ use \n for new lines, \t for tabulation, \\n for \n, \\t for \t.

If "regular expression" option is checked and finding pattern contains groups delimited with parentheses, $0 will return the complete string matching the pattern, and $1, $2... the 1st, 2nd... group.



Edit facet's Expression based on Column Order Priority

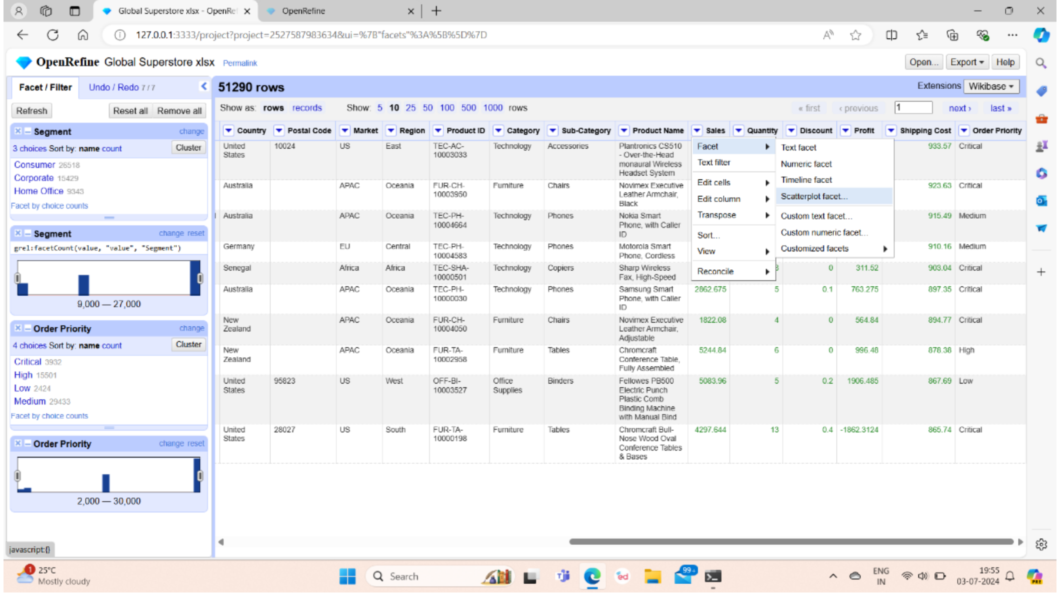
Expression   Language: General Refine Expression Language (GREL)

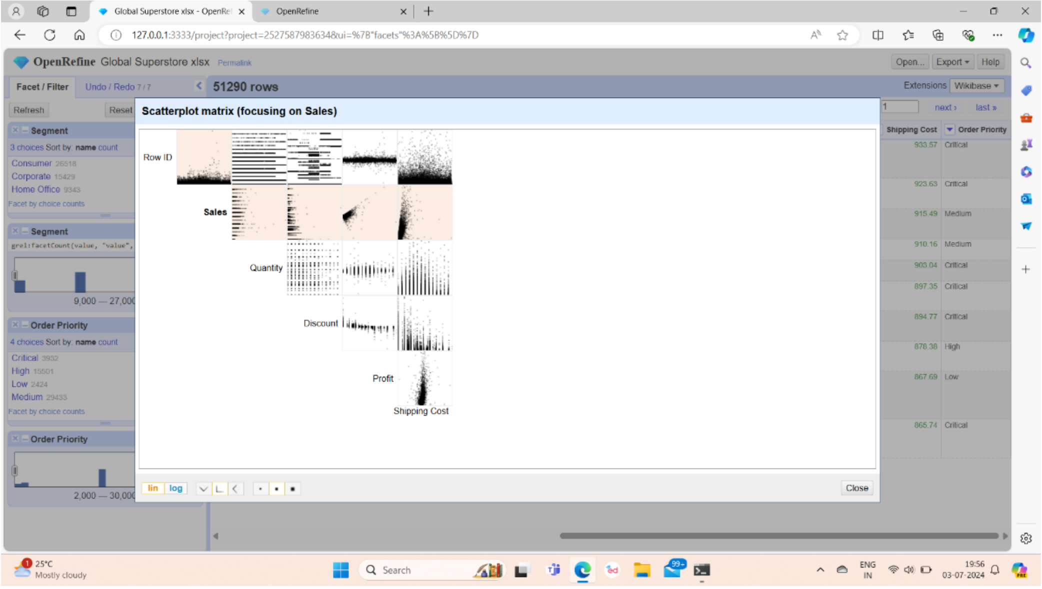
```
value
```

No syntax error.

Preview | History | Starred | Help

row	value	value
1.	Critical	Critical
2.	Critical	Critical
3.	Medium	Medium
4.	Medium	Medium
5.	Critical	Critical
6.	Critical	Critical





Scatterplot matrix (focusing on Sales)