

Super Market Sales Analysis

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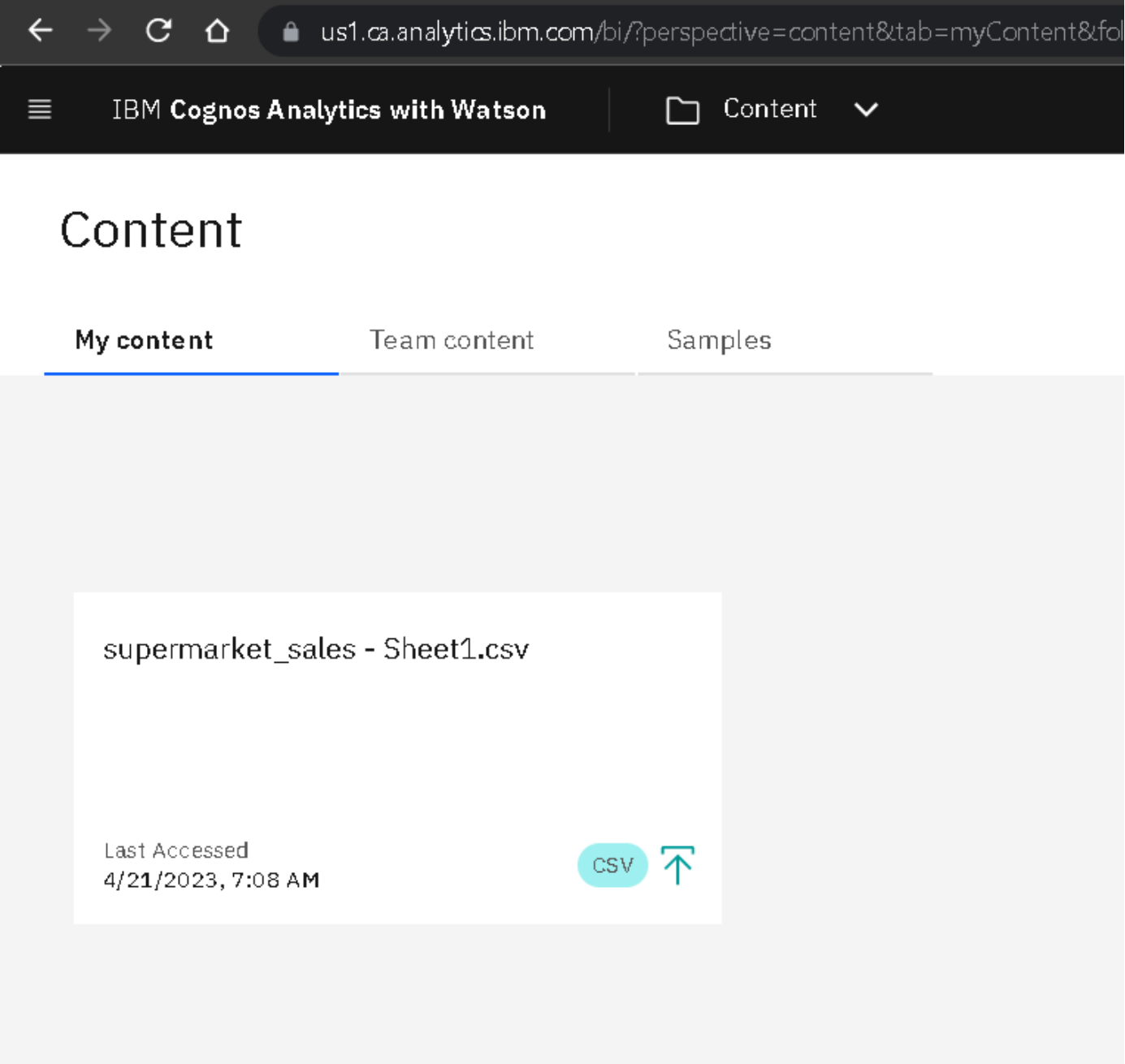
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About Dataset

- The growth of supermarkets in most populated cities is increasing and market competitions are also high.
- The dataset is one of the historical sales of supermarket company which has recorded in 3 different branches for 3 months data.
- Here is the image of dataset window in kaggle.com website.

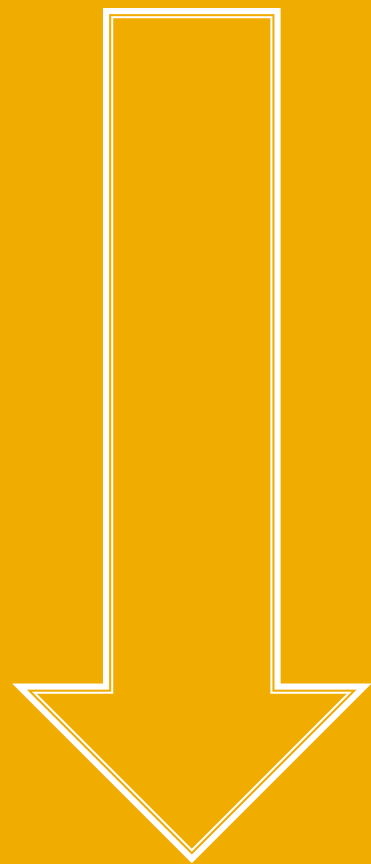
The screenshot shows the Kaggle dataset page for 'Supermarket sales'. The page header includes a search bar, a user profile for 'AJINO PYAE' (updated 4 years ago), and statistics: 1053 votes, a 'New Notebook' button, and a 'Download (37 MB)' button. The dataset title 'Supermarket sales' is prominently displayed, followed by the subtitle 'Historical record of sales data in 3 different supermarkets'. Below this, there are tabs for 'Data Card', 'Code (233)', and 'Discussion (22)'. The 'About Dataset' section contains a 'Context' paragraph explaining the dataset's origin and purpose, and an 'Attribute information' section. To the right, a 'Usability' score of 8.82 is shown, along with 'License' (Other) and 'Expected update frequency' (Not specified). A small preview table of the dataset is visible in the top right corner of the main content area.

date	time	branch	product	price	quantity	total
2017-01-01	10:00	1	apple	1.2	10	12.0
2017-01-01	10:00	1	banana	0.8	5	4.0
2017-01-01	10:00	1	orange	0.5	20	10.0
2017-01-01	10:00	1	grape	1.5	8	12.0
2017-01-01	10:00	1	pear	0.9	12	10.8



Uploading data set to Cognos Data Analytics

- Here are snapshots of how I upload .csv files to my Cognos data analytics
- Downloaded .csv file from kaggle is uploaded using the upload feature on the cognos website.



Below are
the
Snapshots

Delete the unnecessary columns

- ❑ Removal of unnecessary columns are done here and they have been saved as another data module .
- ❑ You can see that few columns are not displayed as they have been removed .

Data module +

Search

- final_data_module
 - Navigation paths +
 - final_data_module_csv
 - supermarke...heet1.csv

Grid

Relationships

Custom tables

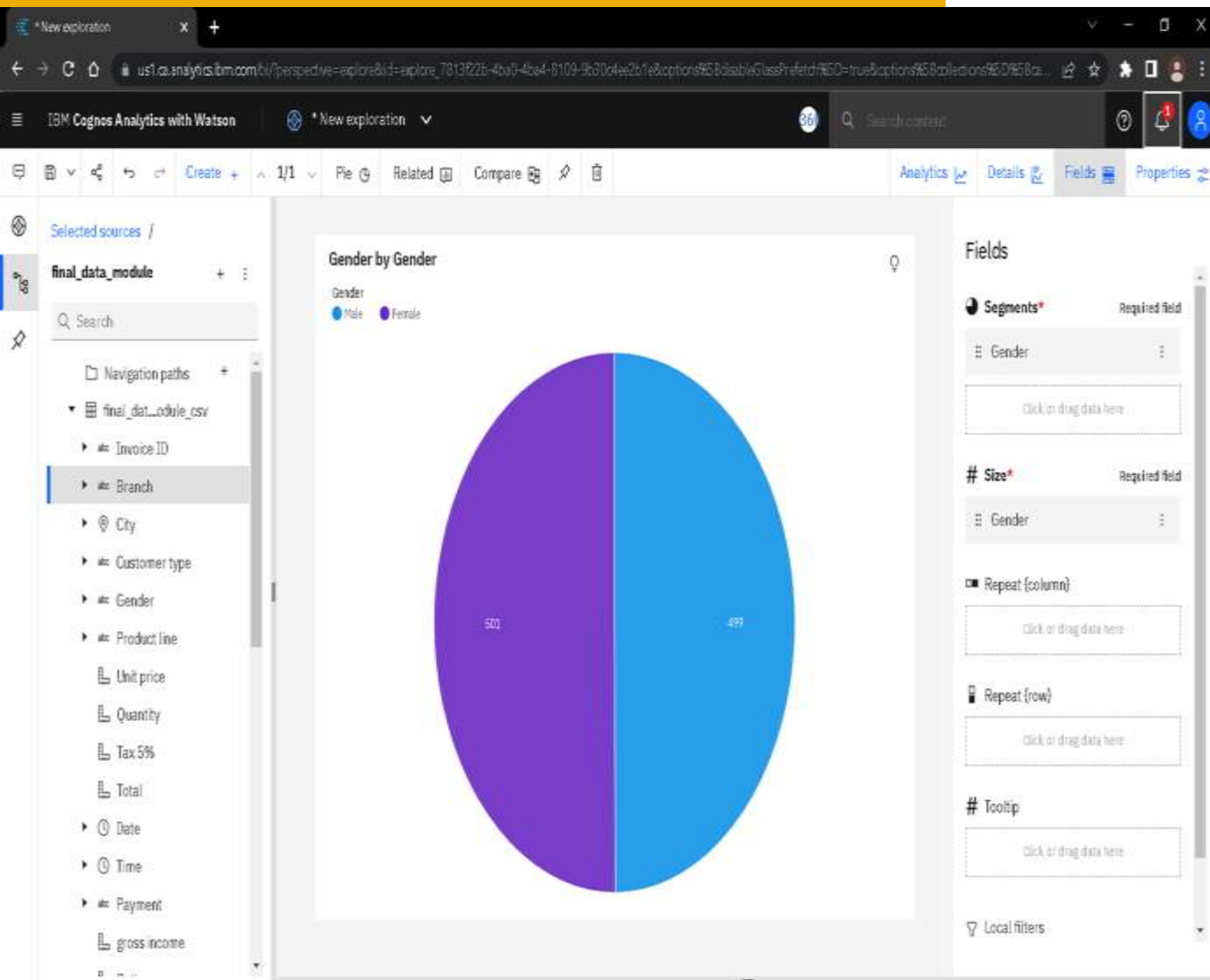
↑↓	Quantity	Tax 5%	Total	Date	Time	Payment	gross income
7	26.1415	548.9715	2019-01-05	13:08:00	Ewallet	26.1415	
5	3.82	80.22	2019-03-08	10:29:00	Cash	3.82	
7	16.2155	340.5255	2019-03-03	13:23:00	Credit card	16.2155	
8	23.288	489.048	2019-01-27	20:33:00	Ewallet	23.288	
7	30.2085	634.3785	2019-02-08	10:37:00	Ewallet	30.2085	
7	29.8865	627.6165	2019-03-25	18:30:00	Ewallet	29.8865	
6	20.652	433.692	2019-02-25	14:36:00	Ewallet	20.652	
10	36.78	772.38	2019-02-24	11:38:00	Ewallet	36.78	
2	3.626	76.146	2019-01-10	17:15:00	Credit card	3.626	
3	8.226	172.746	2019-02-20	13:27:00	Credit card	8.226	
4	2.896	60.816	2019-02-06	18:07:00	Ewallet	2.896	
4	5.102	107.142	2019-03-09	17:03:00	Cash	5.102	
5	11.7375	246.4875	2019-02-12	10:25:00	Ewallet	11.7375	
10	21.595	453.495	2019-02-07	16:48:00	Ewallet	21.595	

Data module +

Search

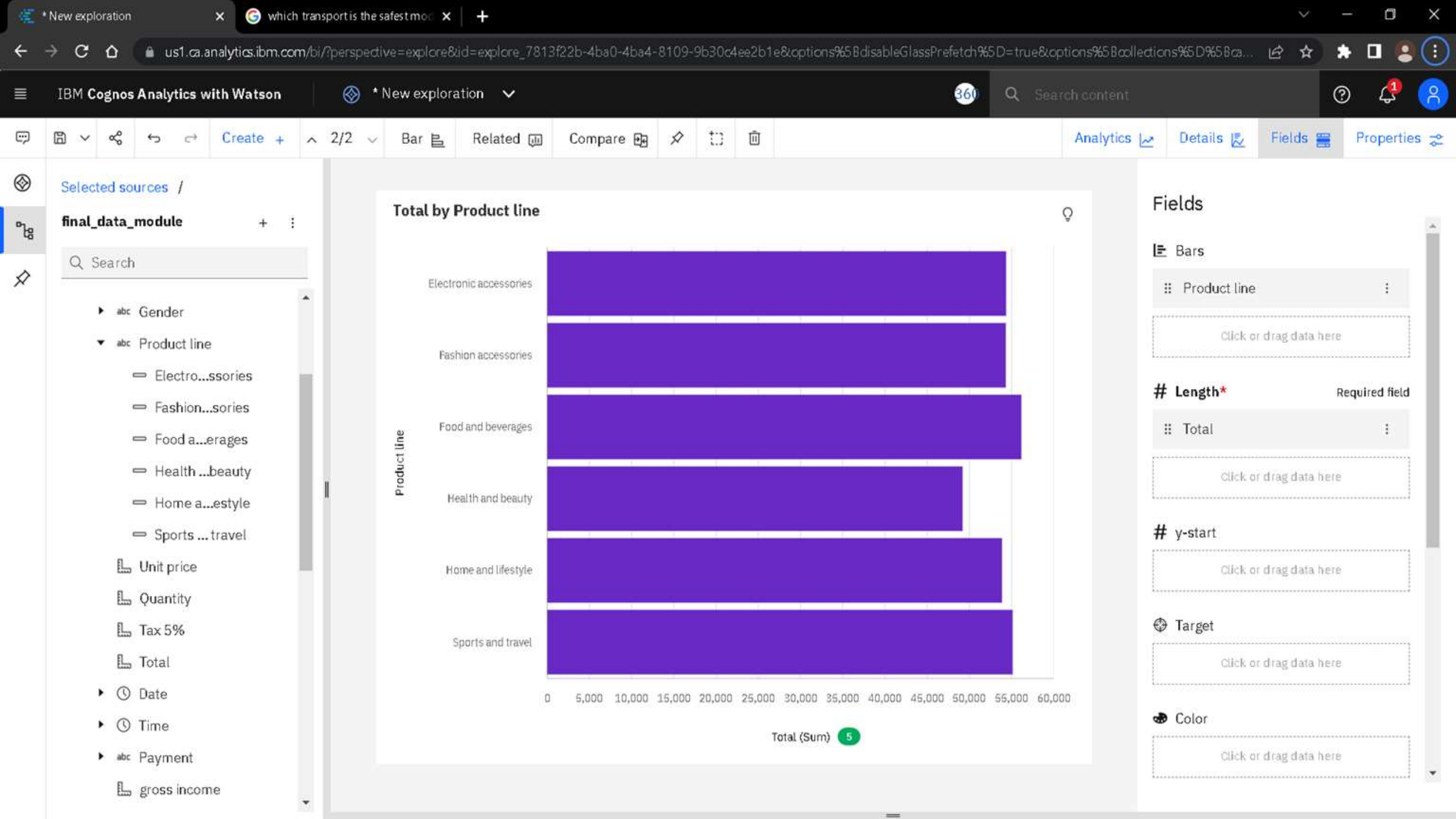
- final_data_module
 - Navigation paths +
 - final_data_module_csv
 - supermarke...heet1.csv

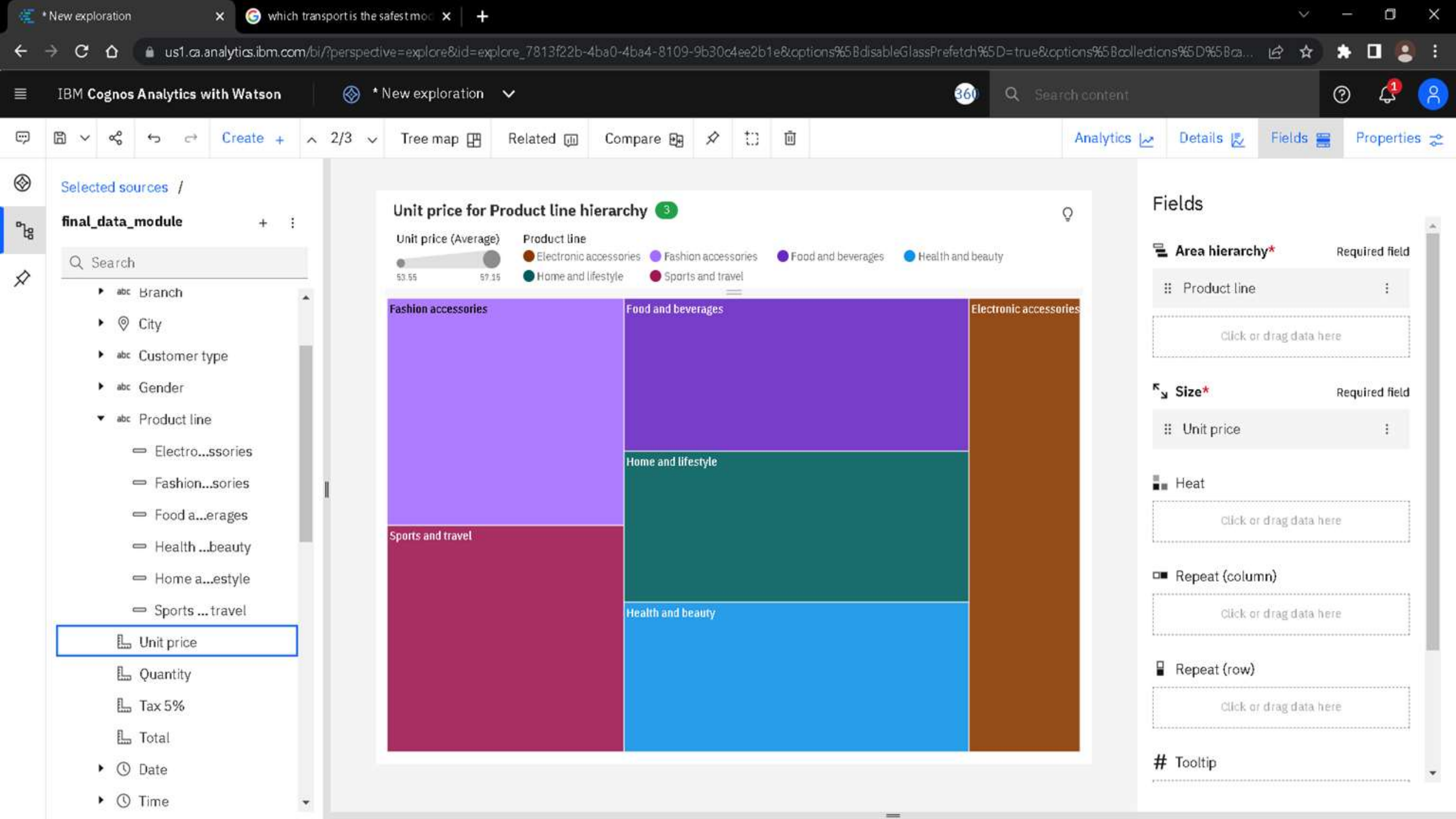
	Total	Date	Time	Payment	gross income	Rating
i	548.9715	2019-01-05	13:08:00	Ewallet	26.1415	9.1
	80.22	2019-03-08	10:29:00	Cash	3.82	9.6
i	340.5255	2019-03-03	13:23:00	Credit card	16.2155	7.4
	489.048	2019-01-27	20:33:00	Ewallet	23.288	8.4
i	634.3785	2019-02-08	10:37:00	Ewallet	30.2085	5.3
i	627.6165	2019-03-25	18:30:00	Ewallet	29.8865	4.1
	433.692	2019-02-25	14:36:00	Ewallet	20.652	5.8
	772.38	2019-02-24	11:38:00	Ewallet	36.78	8
	76.146	2019-01-10	17:15:00	Credit card	3.626	7.2
	172.746	2019-02-20	13:27:00	Credit card	8.226	5.9
	60.816	2019-02-06	18:07:00	Ewallet	2.896	4.5
	107.142	2019-03-09	17:03:00	Cash	5.102	6.8
i	246.4875	2019-02-12	10:25:00	Ewallet	11.7375	7.1
	453.495	2019-02-07	16:48:00	Ewallet	21.595	8.2

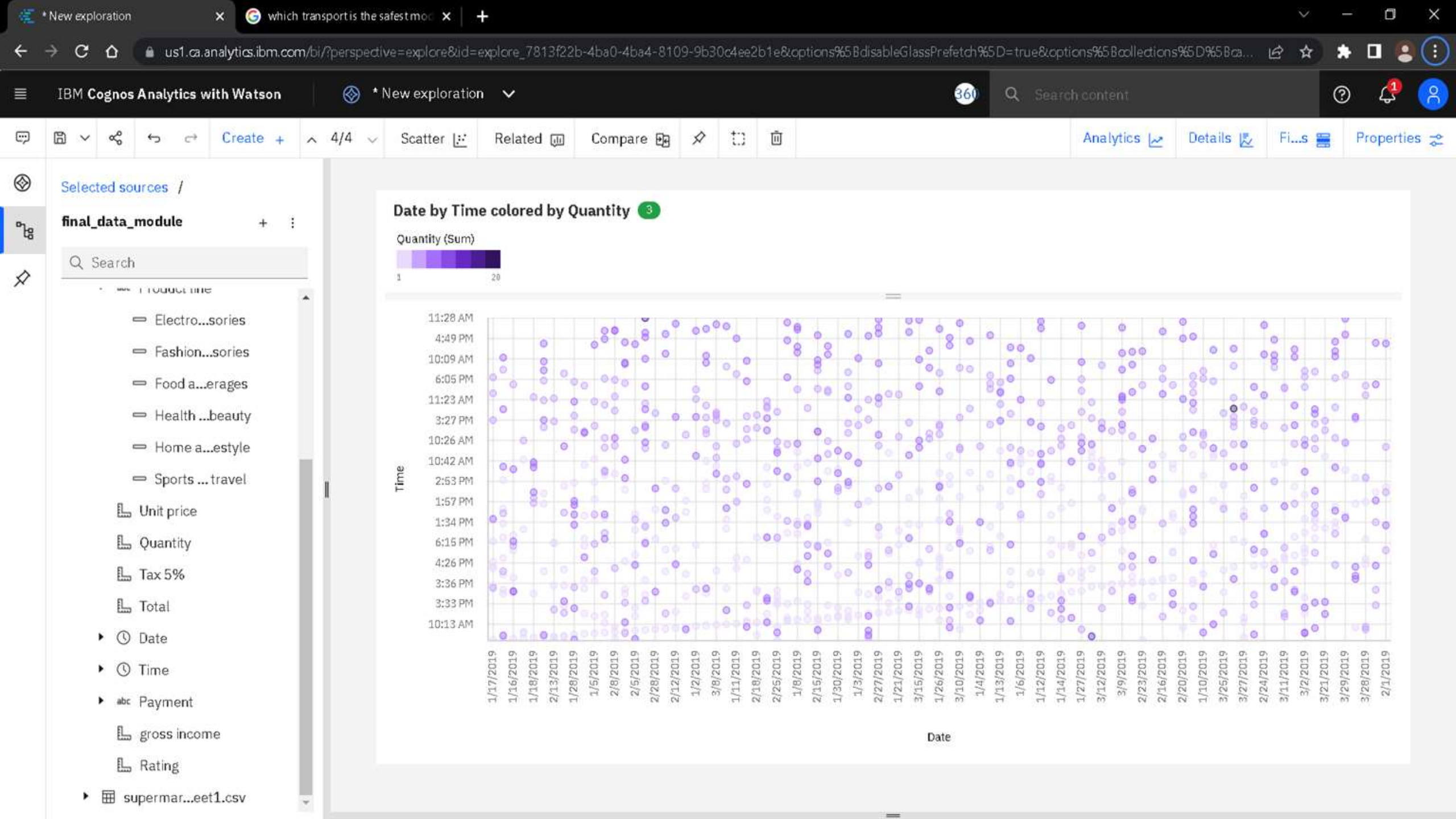


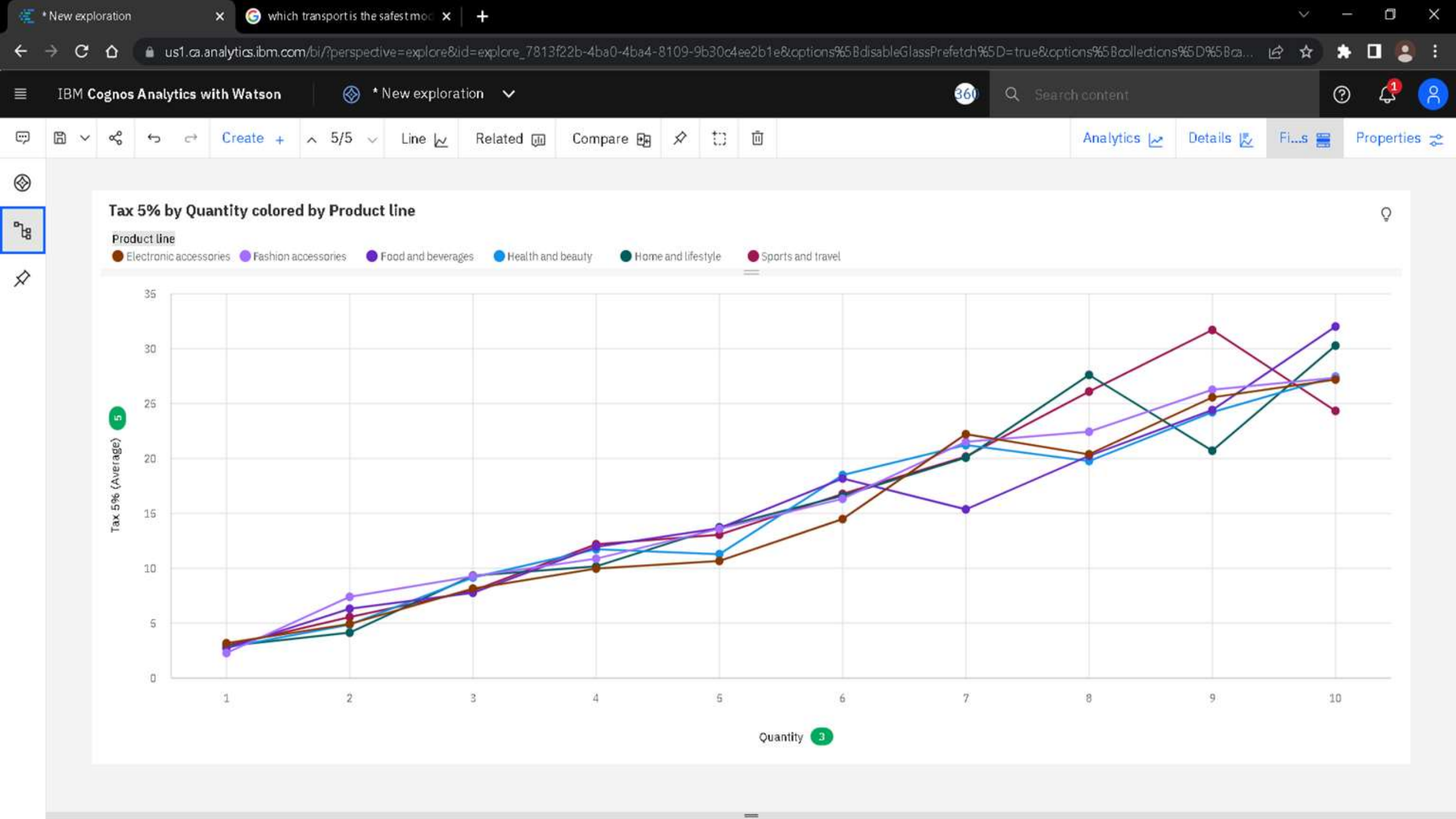
Analysis of Gender by Gender in a Pie Chart Representation

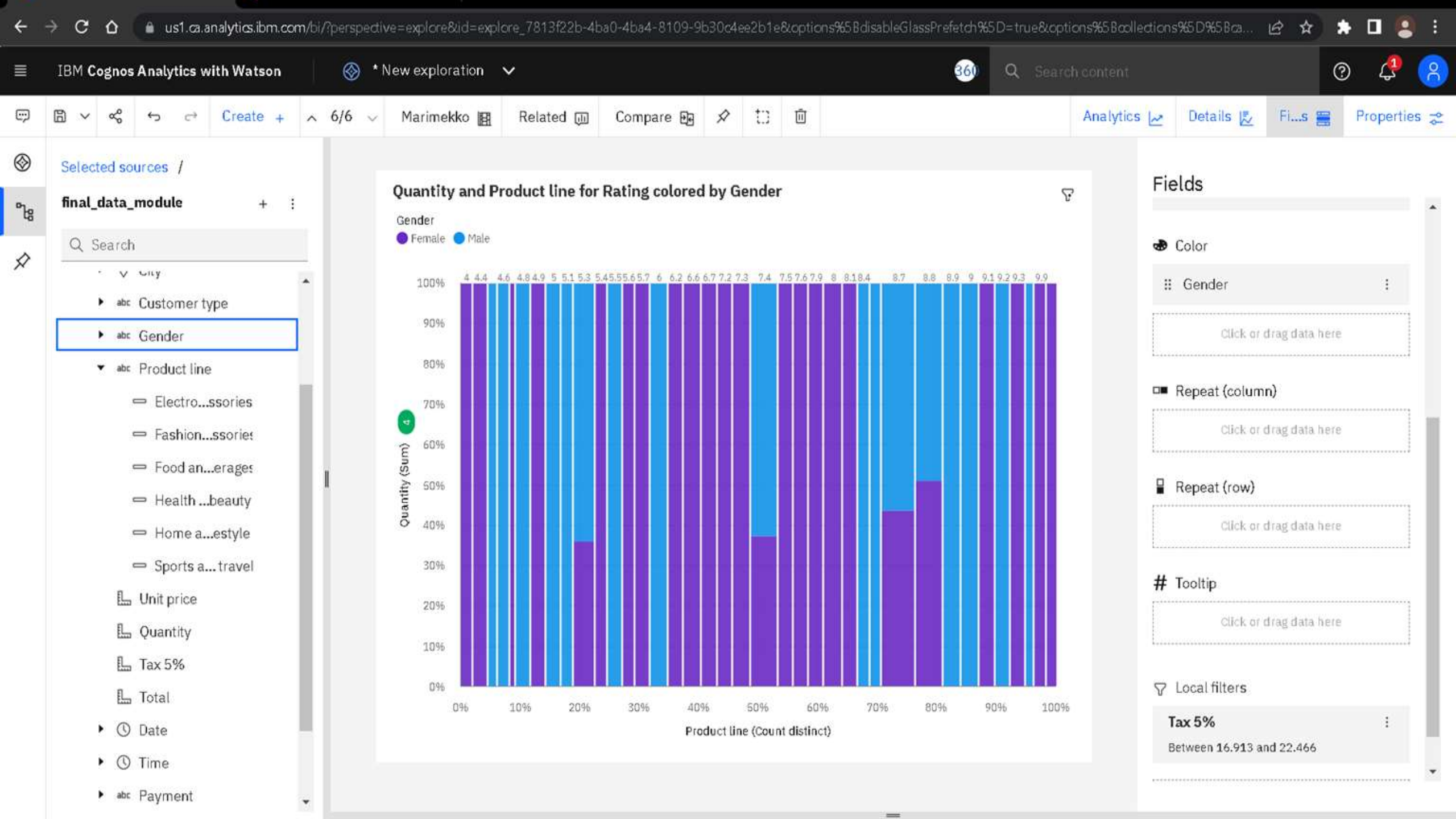
- The diagram is a Pie Chart representation of Genders of two kinds.
- Hence it has two colours.











Conclusion

- Data Analysis for Supermarket is done successfully by uploading the dataset to Cognos Analytics, deleting the unnecessary columns, creating a data module, exploring and visualization of the dataset.