

**ASSIGNMENT - 1 DATA
ANALYTICS
EXPLORATION AND VISUALIZATION OF DATASET**

Assignment Date	<i>08 September 2022</i>
Student Name	<i>SRIKANTH.V</i>
Student Roll Number	<i>510119205014</i>
Maximum Marks	<i>2 Marks</i>

QUESTION:

Upload the dataset to Cognos Analytics, explore and visualize the dataset.

PROBLEM DESCRIPTION:

Dataset:50_Startups.csv

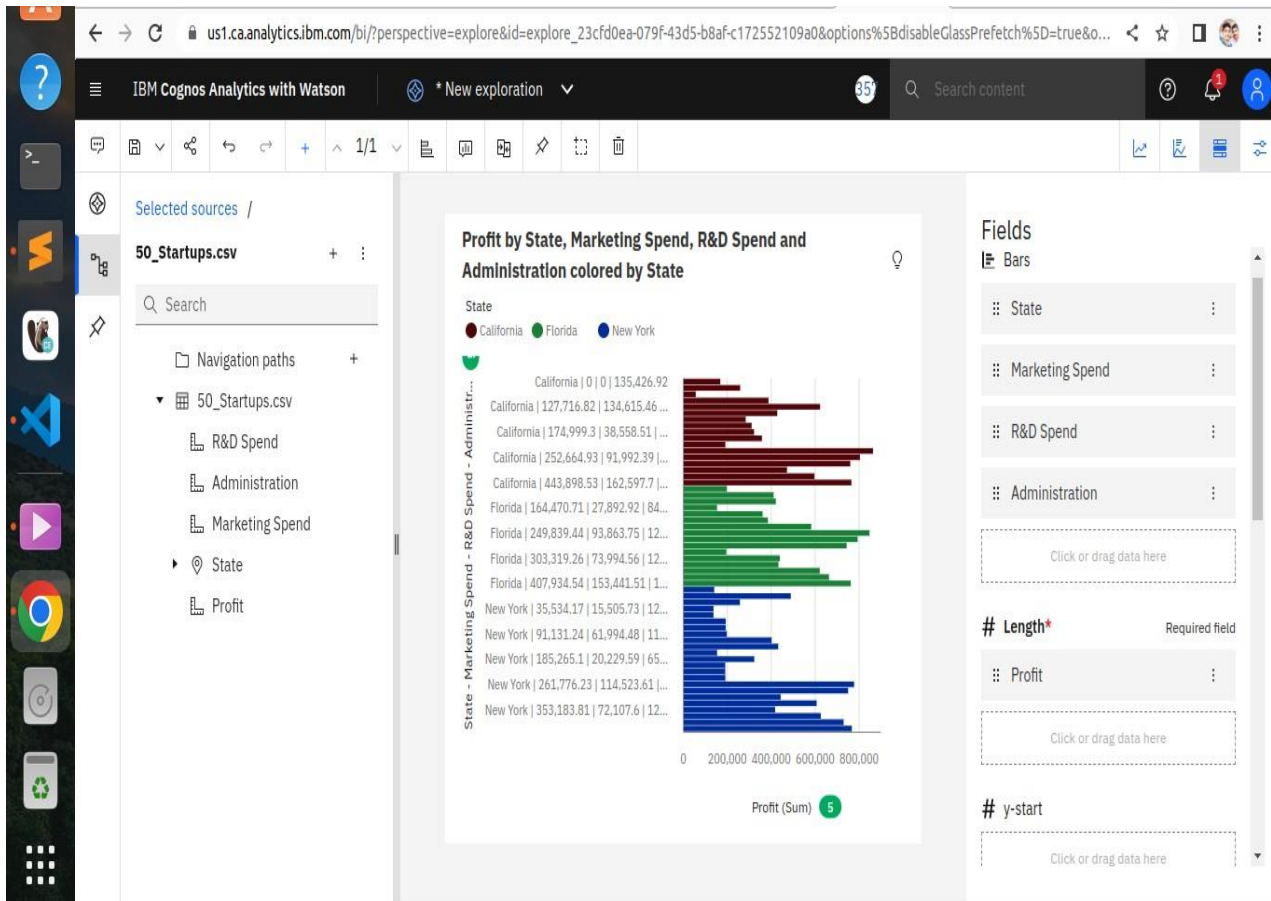
https://drive.google.com/file/d/100OUpJFG8GQjhFztbfG5JP_jvzRgoihr/view?usp=sharing

About the 50 startups dataset

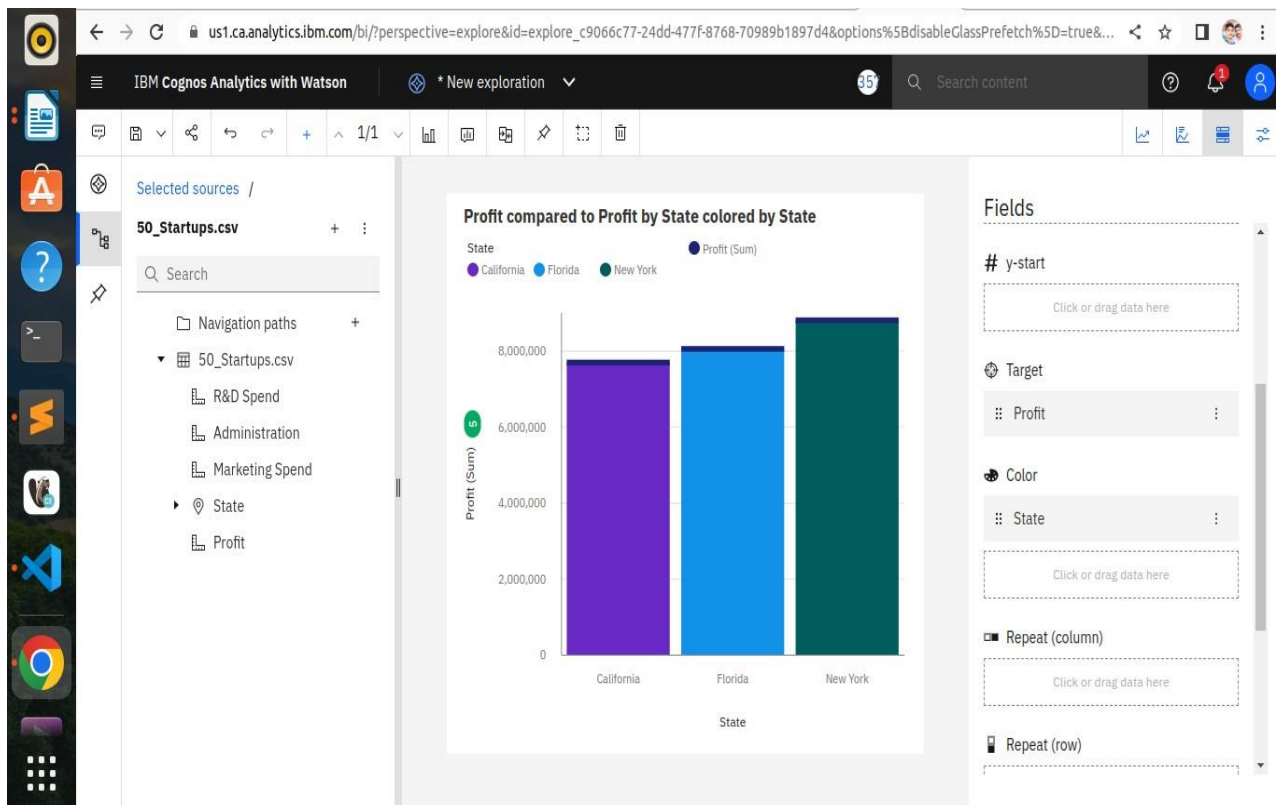
This particular dataset holds data from 50 startups in New York, California, and Florida. The features in this dataset are R&D spending, Administration Spending, Marketing Spending, and location features, while the target variable is: Profit.

1. R&D spending: The amount which startups are spending on Research and development.
2. Administration spending: The amount which startups are spending on the Admin panel.
3. Marketing spending: The amount which startups are spending on marketing strategies.
4. State: To which state that particular startup belongs.
5. Profit: How much profit that particular startup is making.

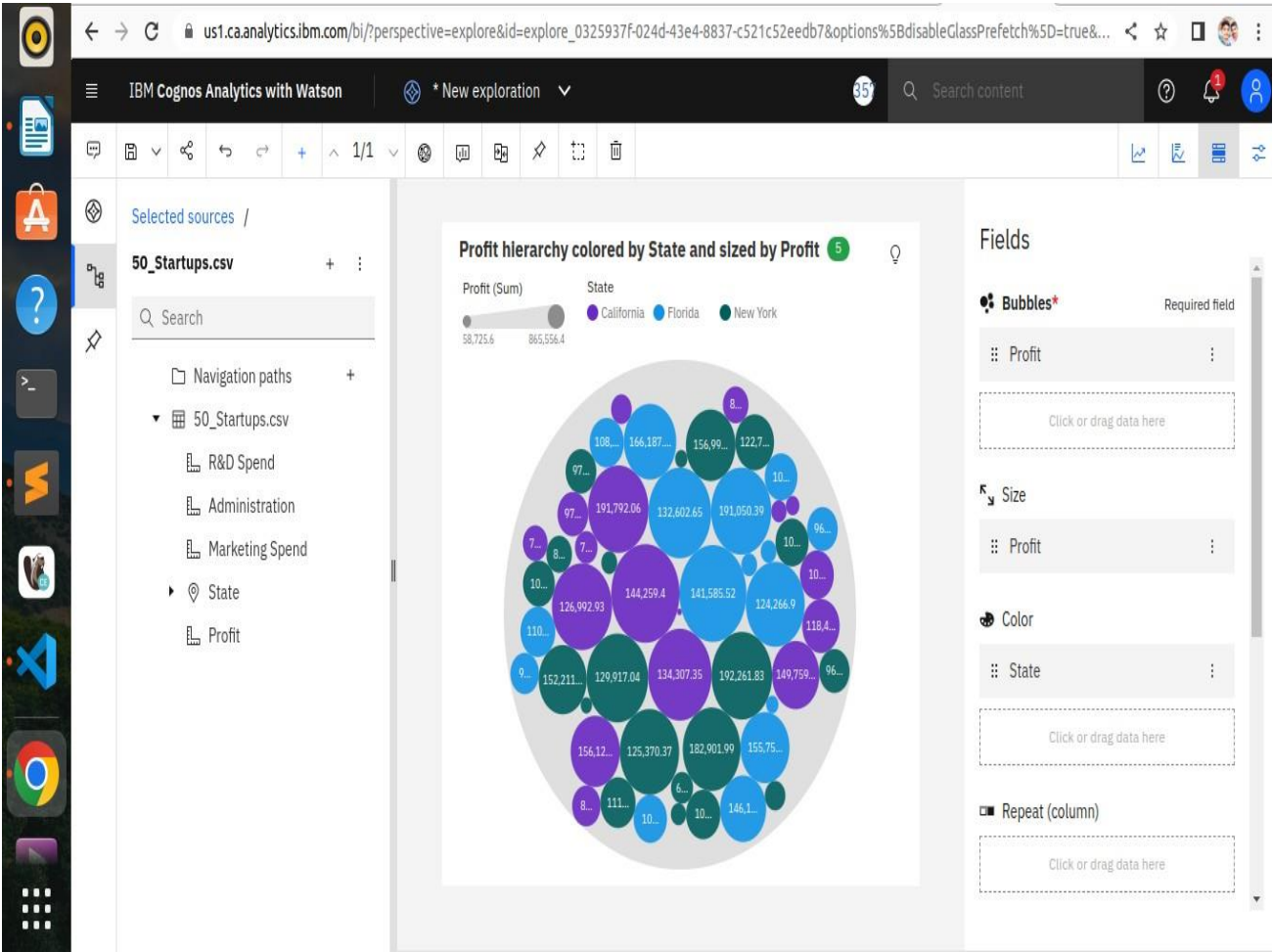
BAR EXPLORATION



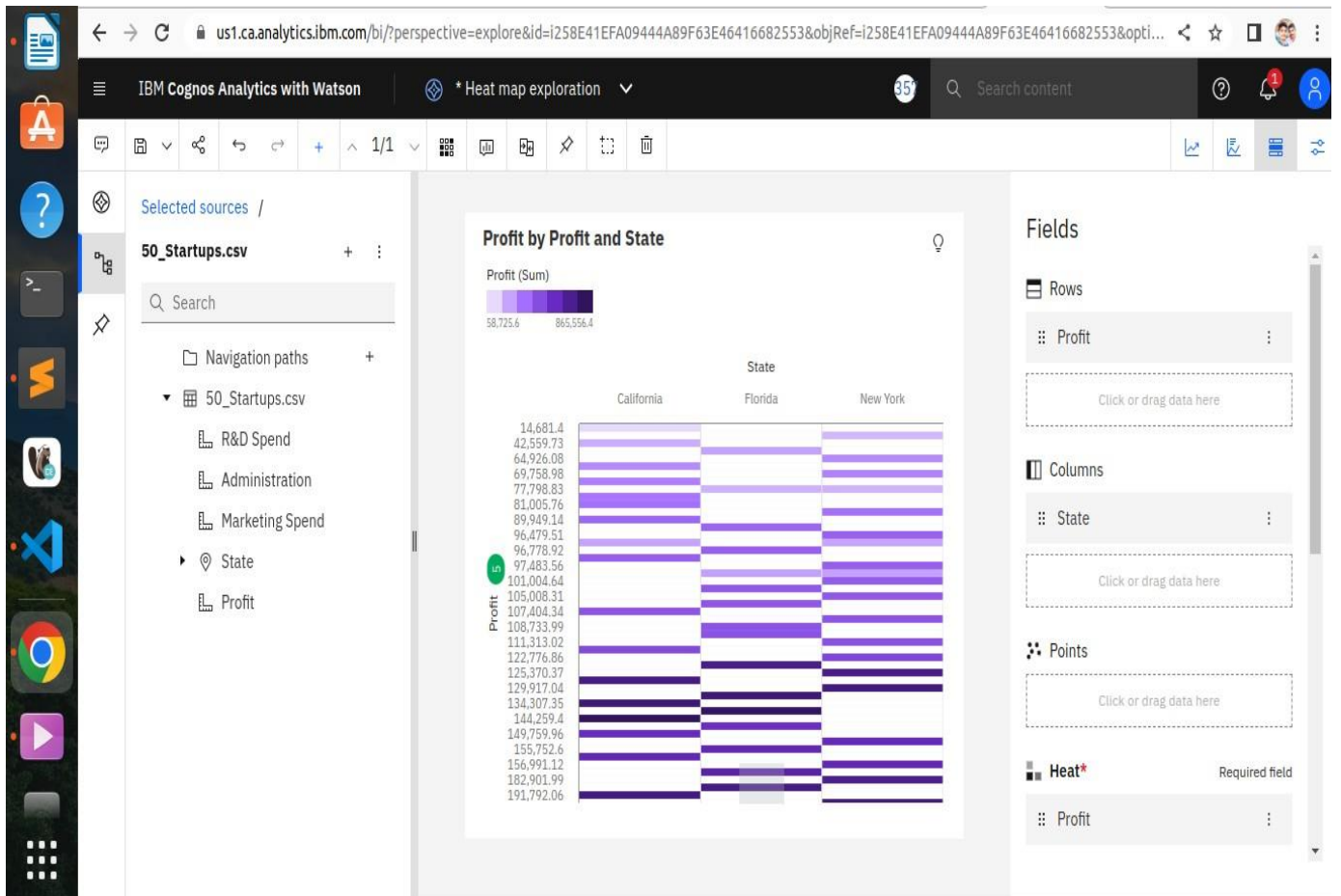
COLUMN EXPLORATION



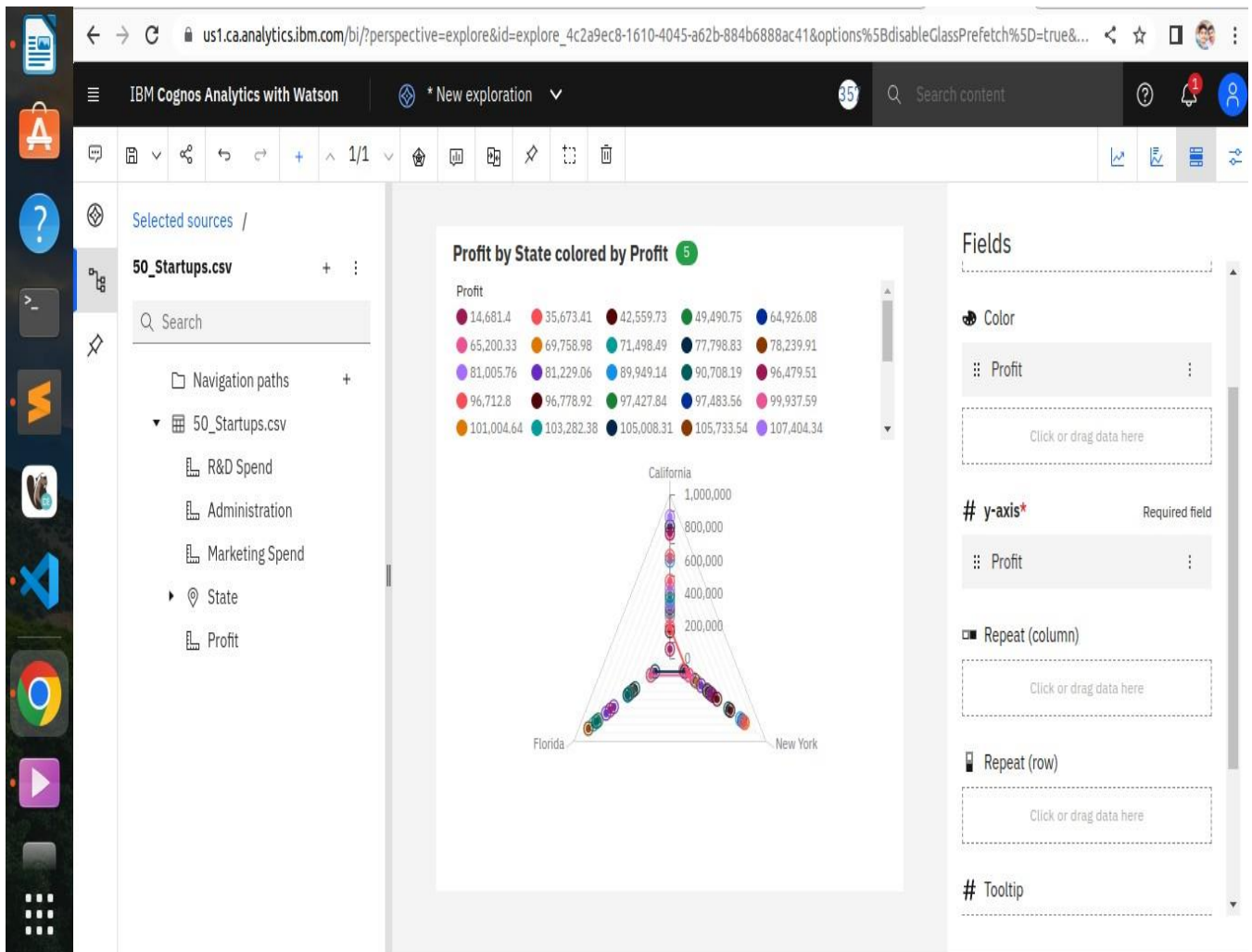
HIERARCHY EXPLORATION



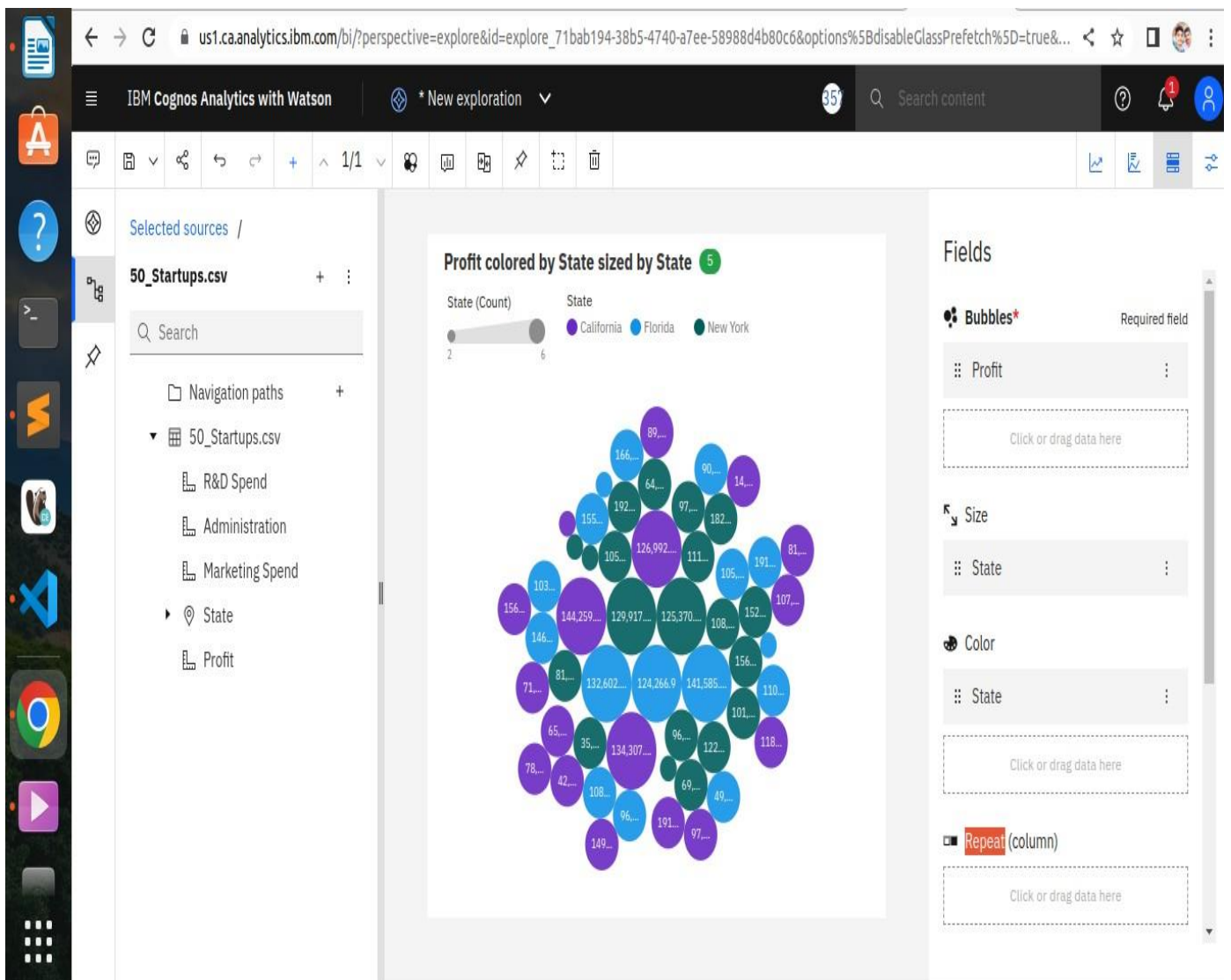
HEAT MAP EXPLORATION



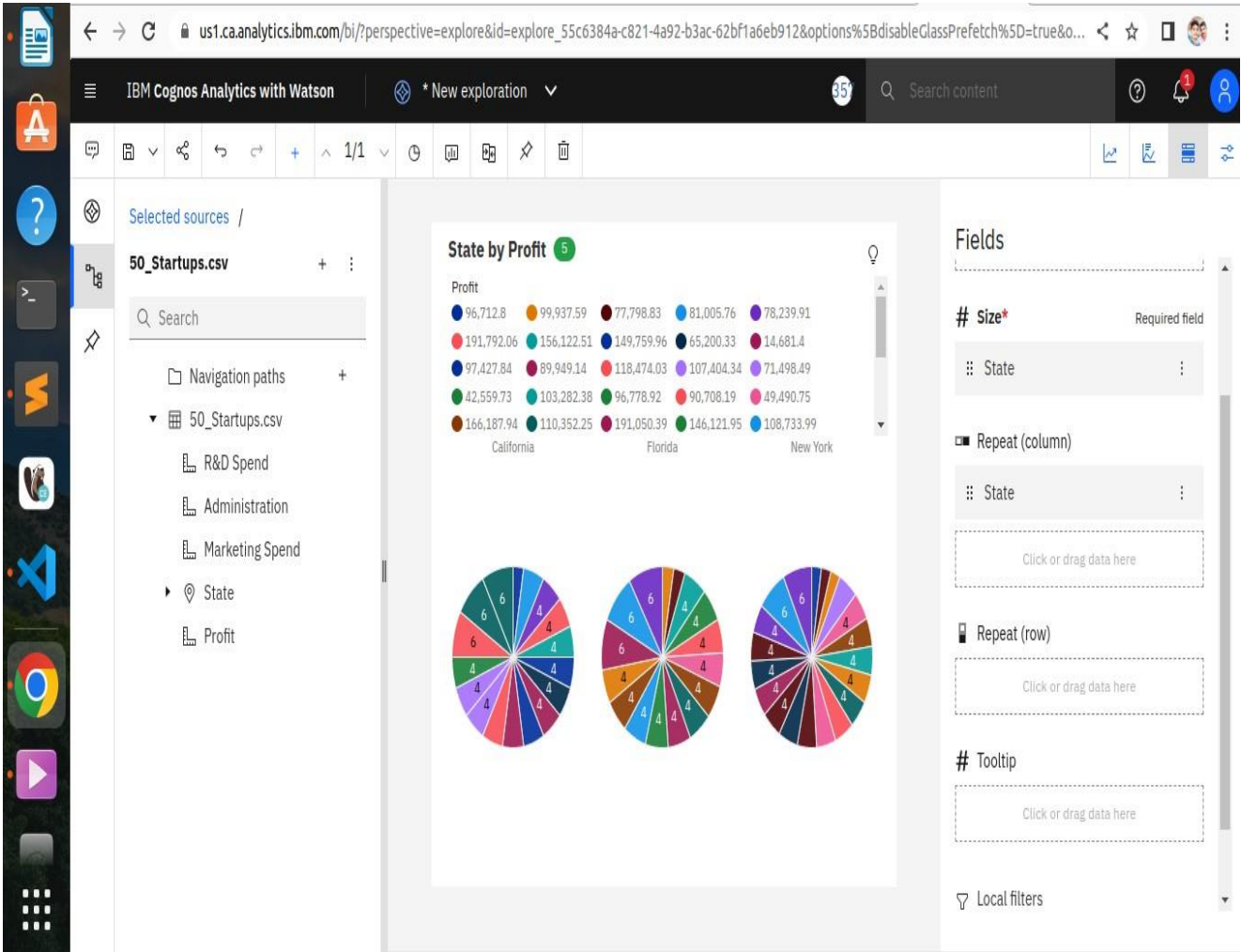
RADAR EXPLORATION



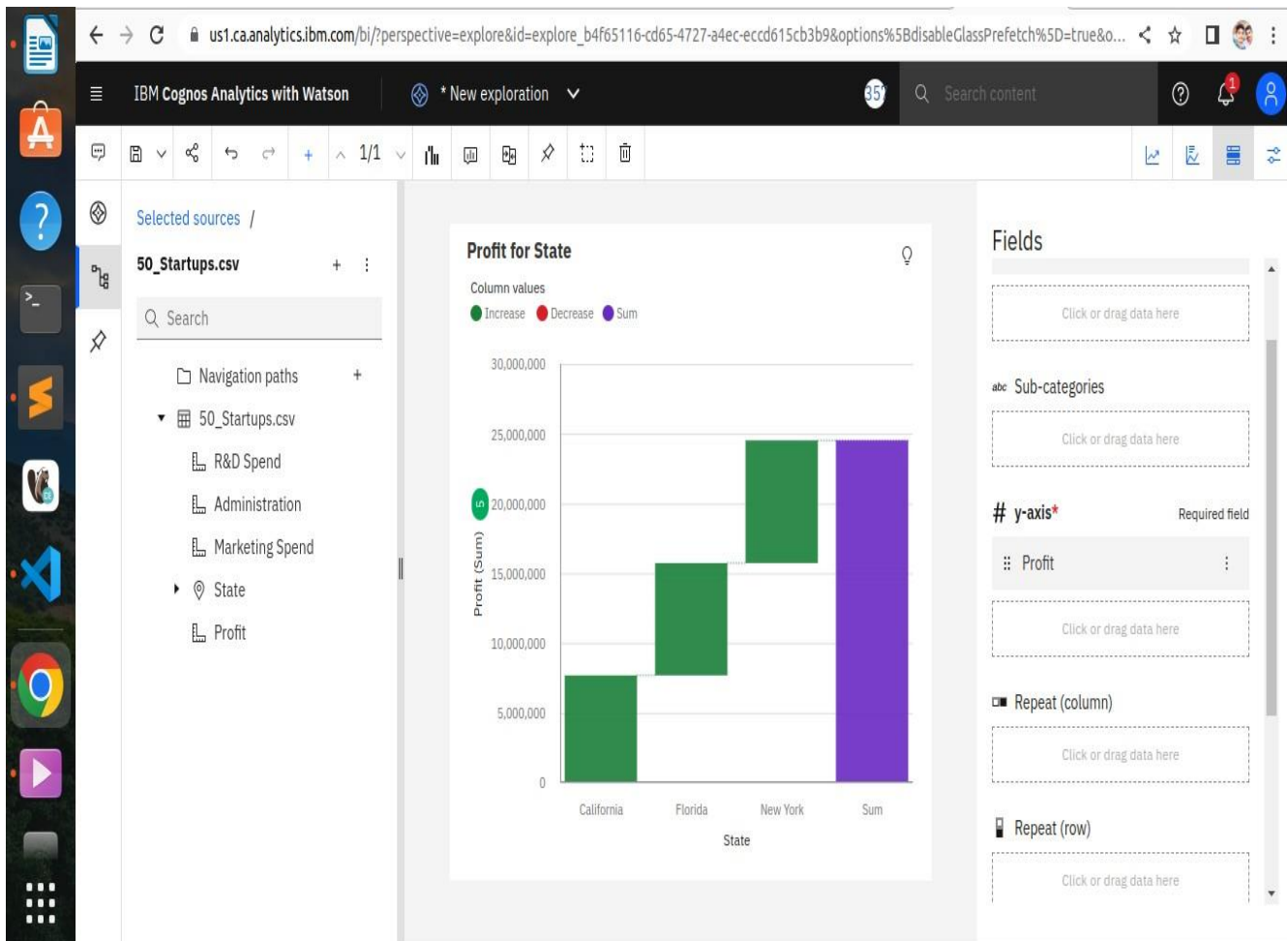
PACKED BUBBLE EXPLORATION



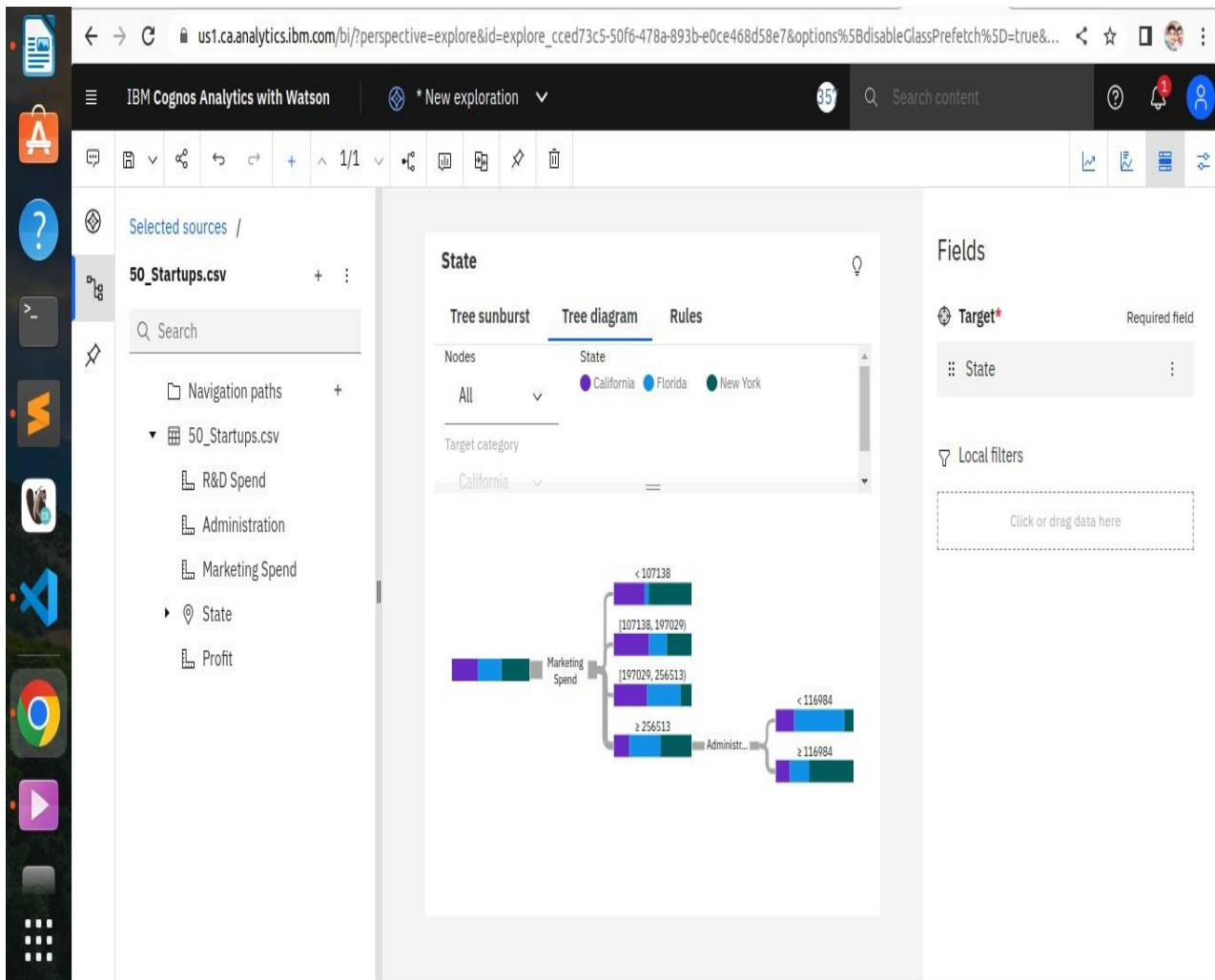
PIE EXPLORATION



WATERFALL EXPLORATION



DECISION TREE EXPLORATION

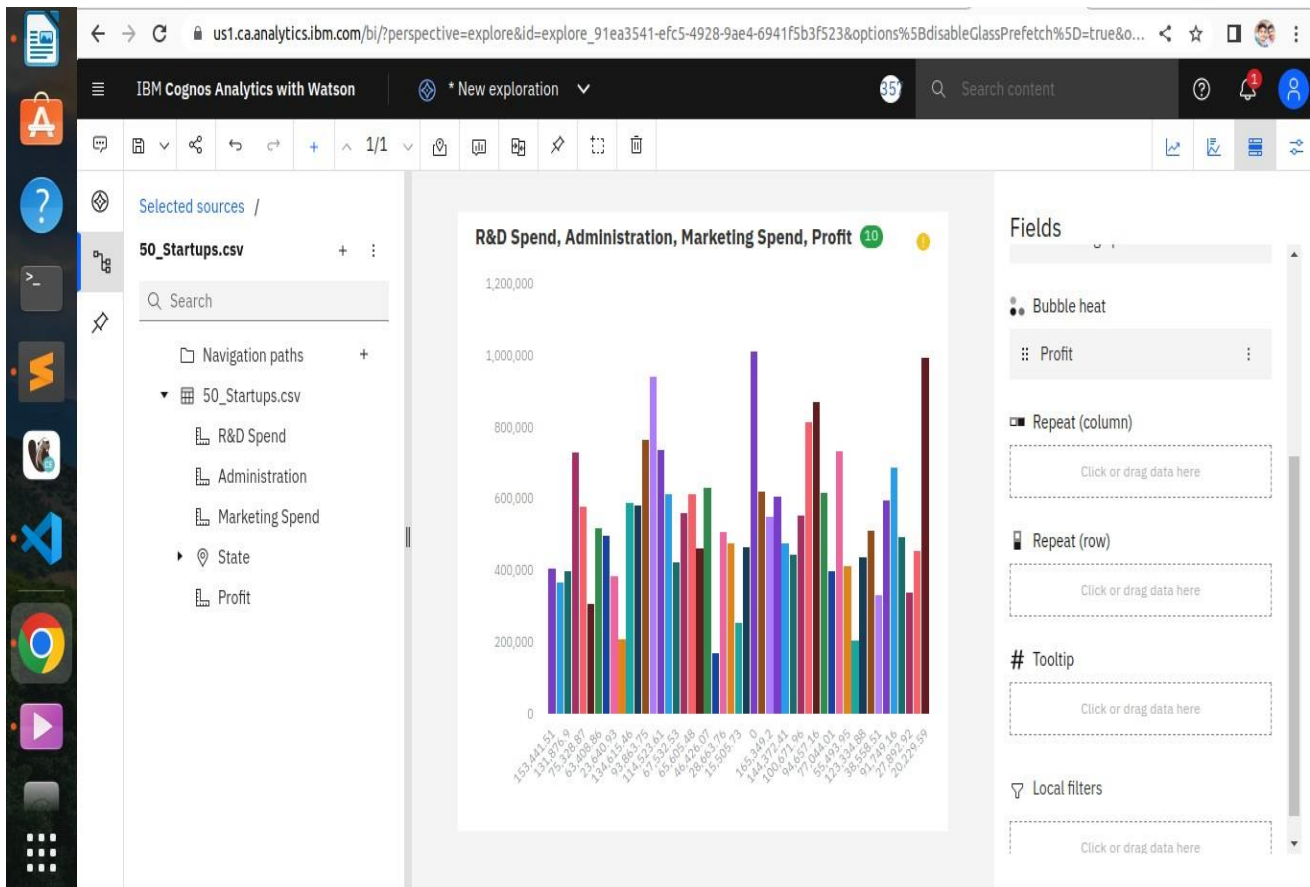


CROSS TAB EXPLORATION

The screenshot displays the IBM Cognos Analytics interface. The main view is a cross-tab titled "Profit for State and Profit" with 5 columns. The columns are Profit, a, Florida, New York, and Summary. The rows represent various profit values. The interface includes a left sidebar with "Selected sources" showing "50_Startups.csv" and a "Fields" panel on the right with "Columns" (State), "Rows" (Profit), and "# Values*" (Profit).

Profit	a	Florida	New York	Summary
14,681.4	58,725.6	(no value)	(no value)	
35,673.41	(no value)	(no value)	142,693.64	
42,559.73	70,238.92	(no value)	(no value)	
49,490.75	(no value)	197,963	(no value)	
64,926.08	(no value)	(no value)	259,704.32	
65,200.33	60,801.32	(no value)	(no value)	
69,758.98	(no value)	(no value)	279,035.92	
71,498.49	85,993.96	(no value)	(no value)	
77,798.83	(no value)	155,597.66	155,597.66	
78,239.91	122,959.64	(no value)	(no value)	
81,005.76	124,023.04	(no value)	(no value)	
81,229.06	(no value)	(no value)	324,916.24	
89,949.14				

LEGACY MAP EXPLORATION



NETWORK EXPLORATION

