

**HX8001**

**PROFESSIONAL READINESS FOR INNOVATION,  
EMPLOYMENTABILITY AND ENTREPRENEURSHIP**

**ASSIGNMENT**

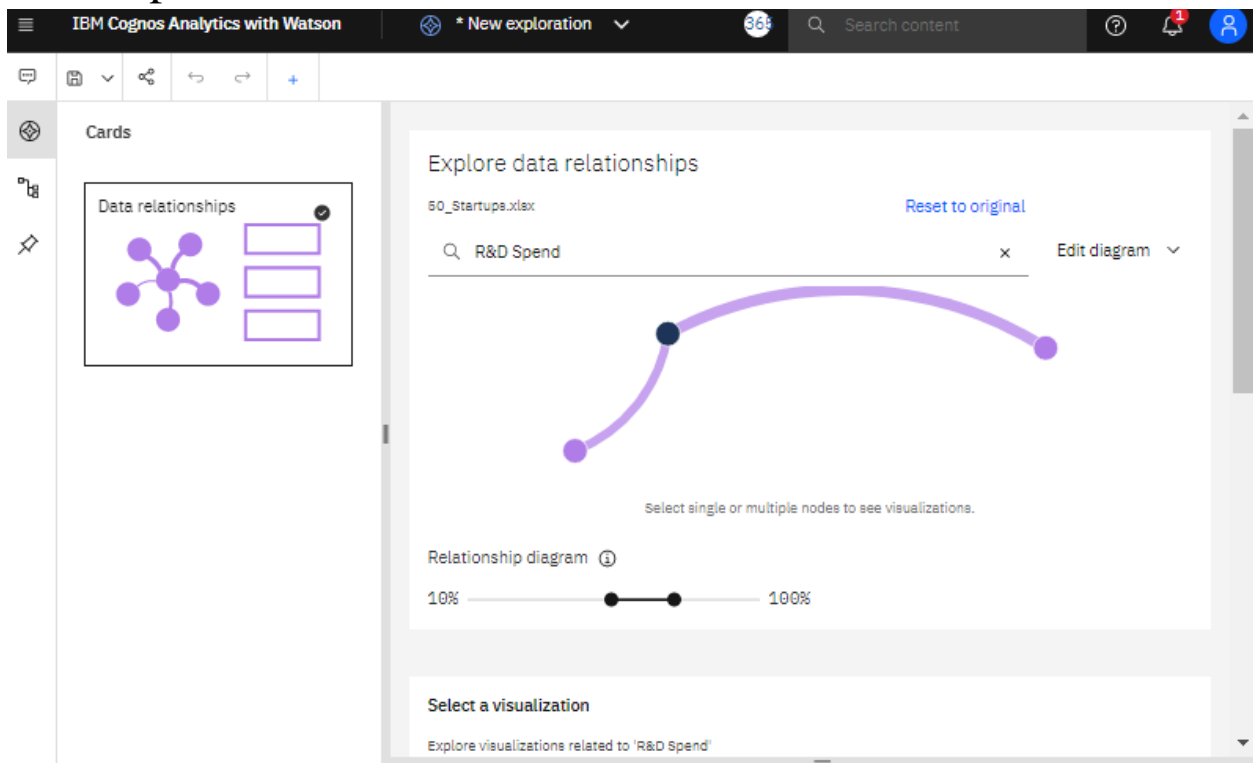
**TEAM Id: PNT2022TMID42755**

**PROJECT TITLE: GLOBAL SALES DATA ANALYTICS**

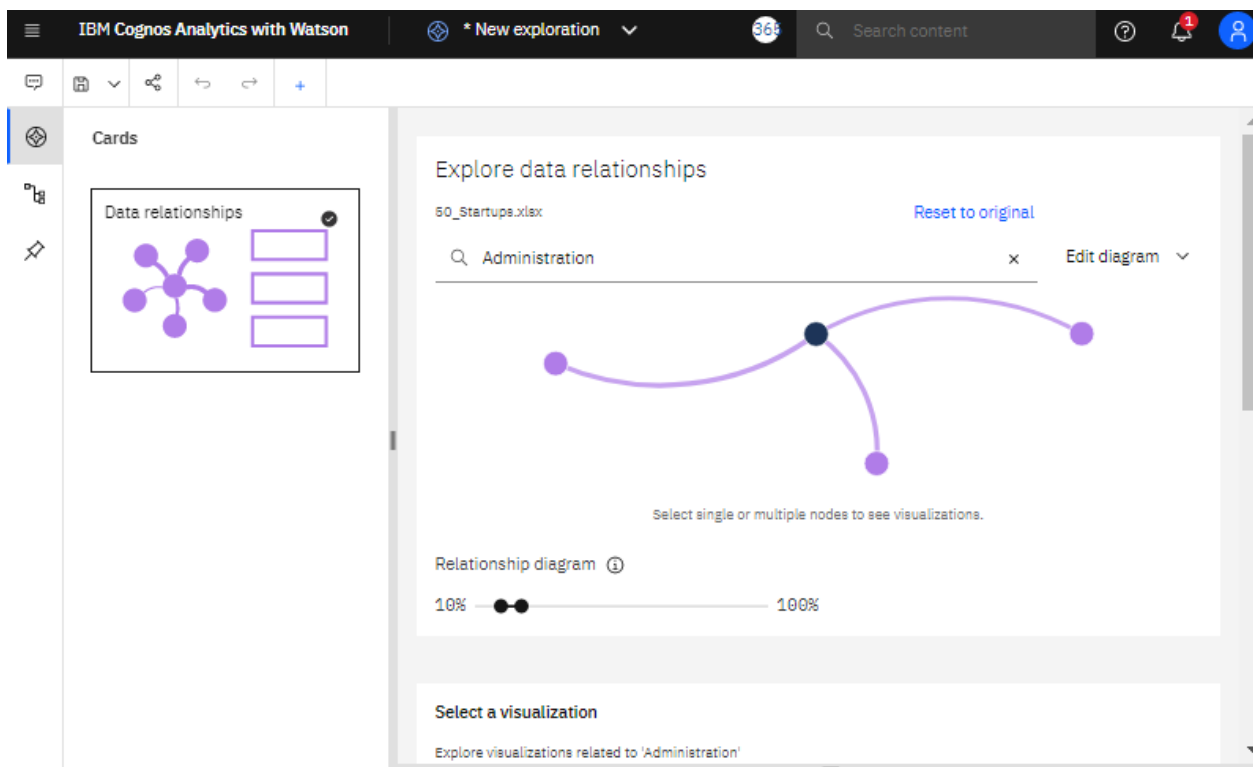
**NAME: MANOJ.M**

# Explore data relationship

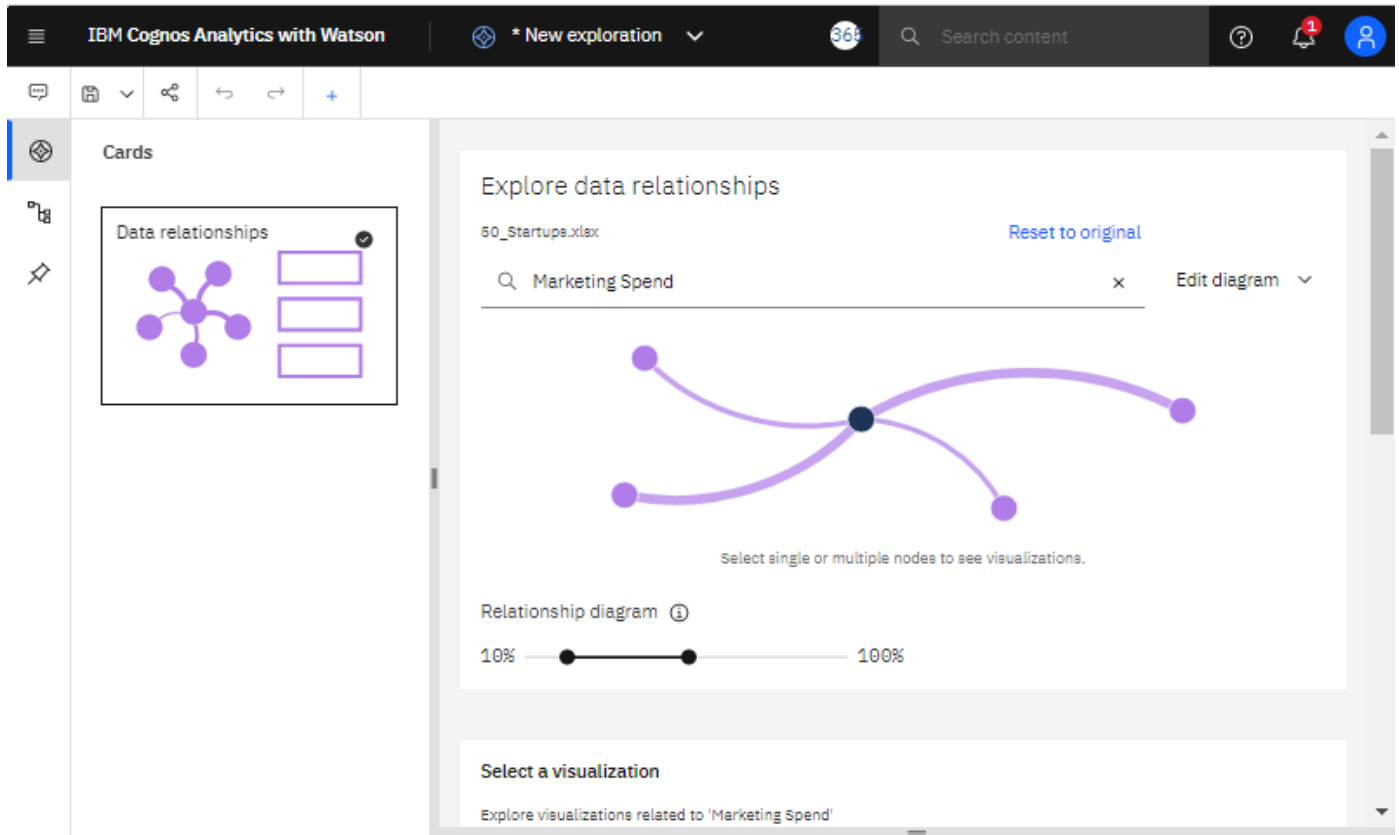
## R&D Spend:



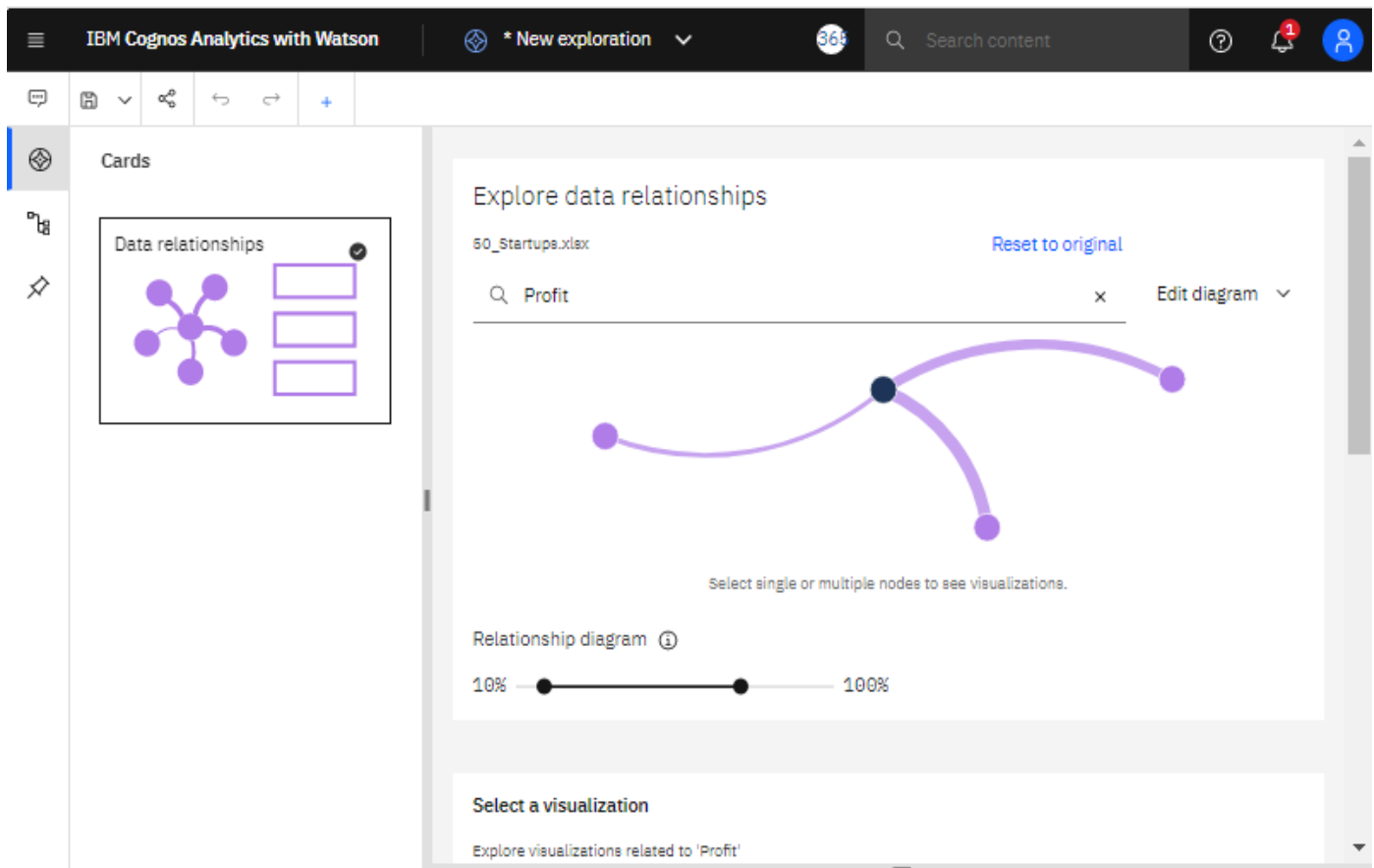
## Administration:



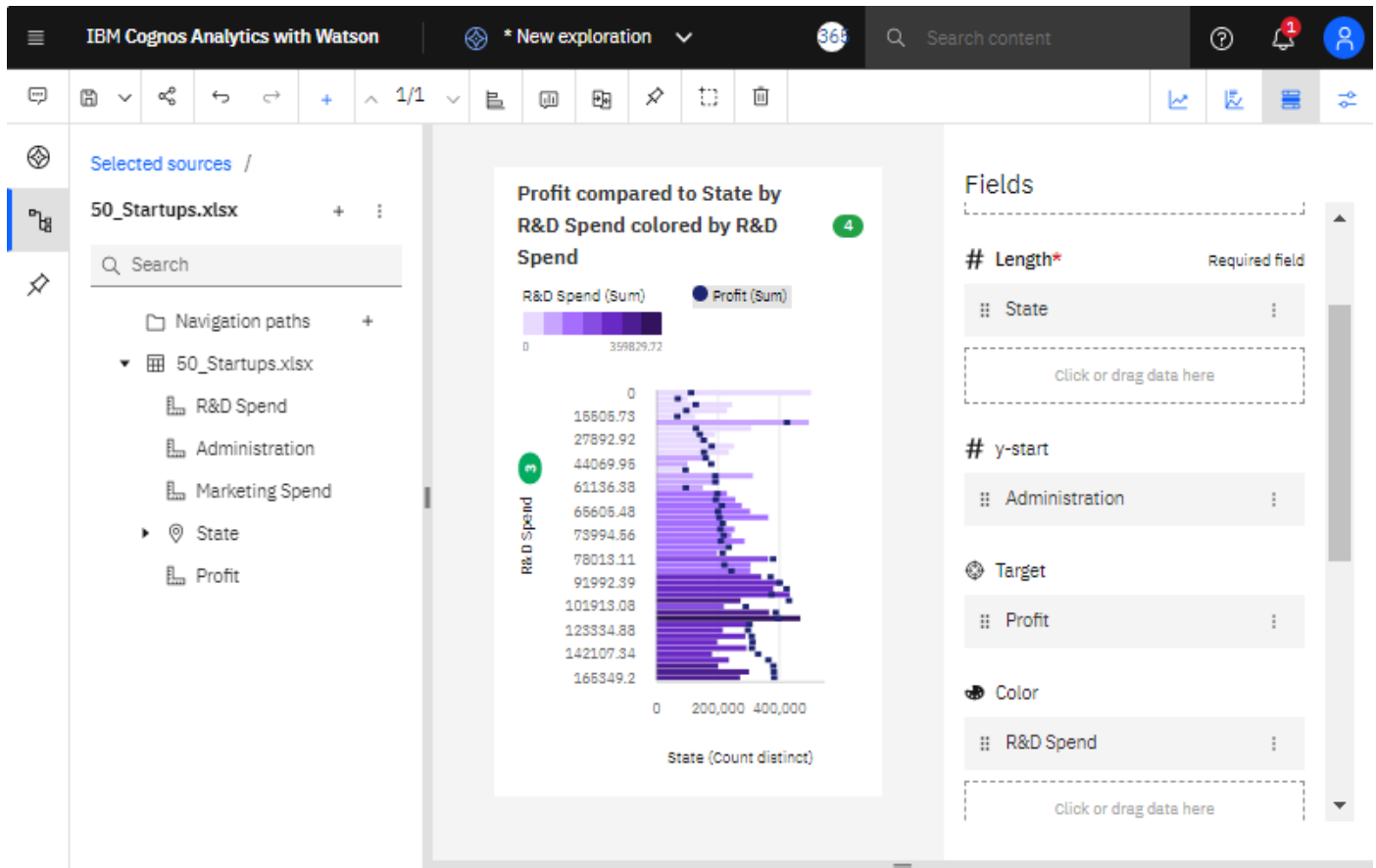
# Marketing Spend:



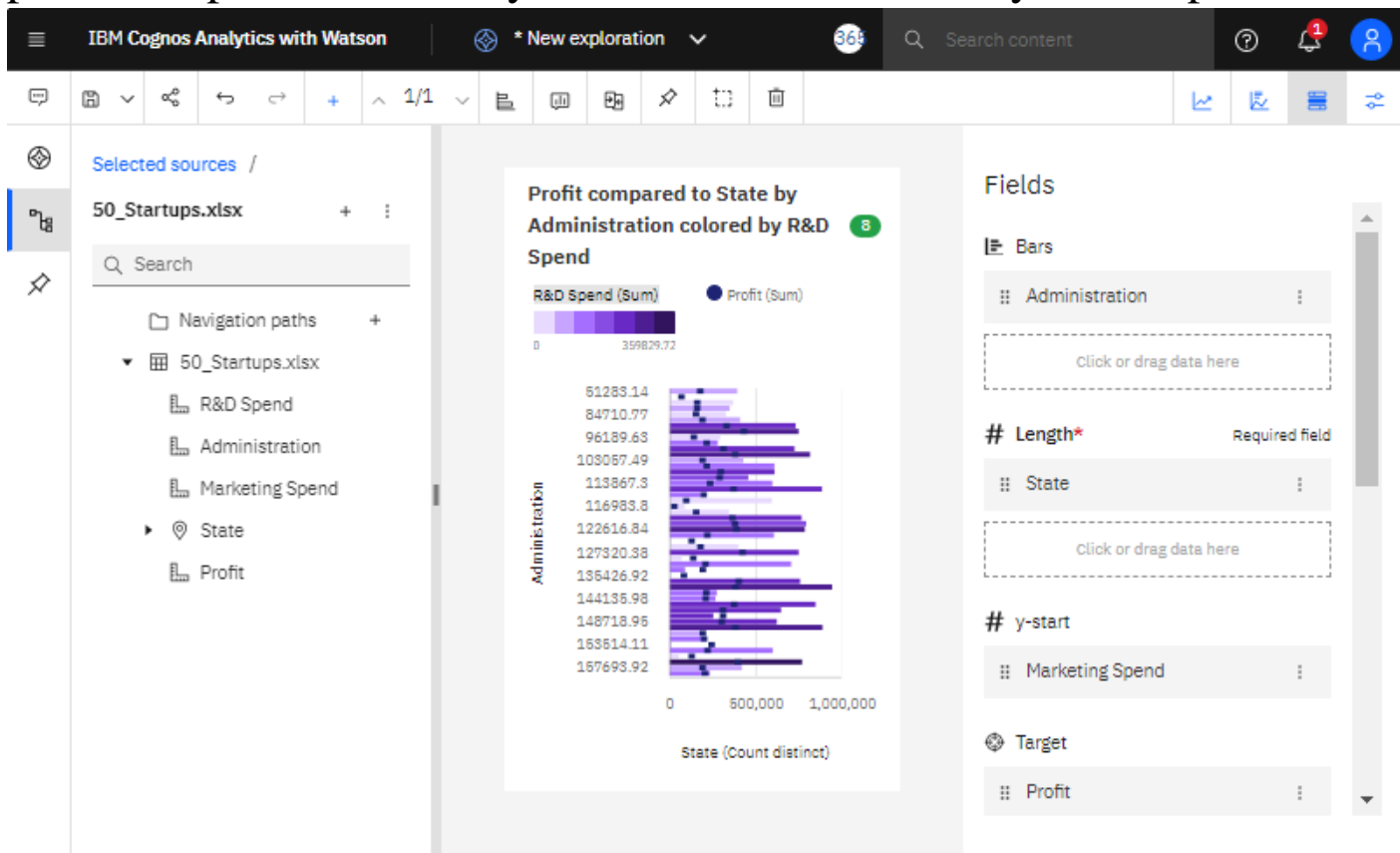
# Profit



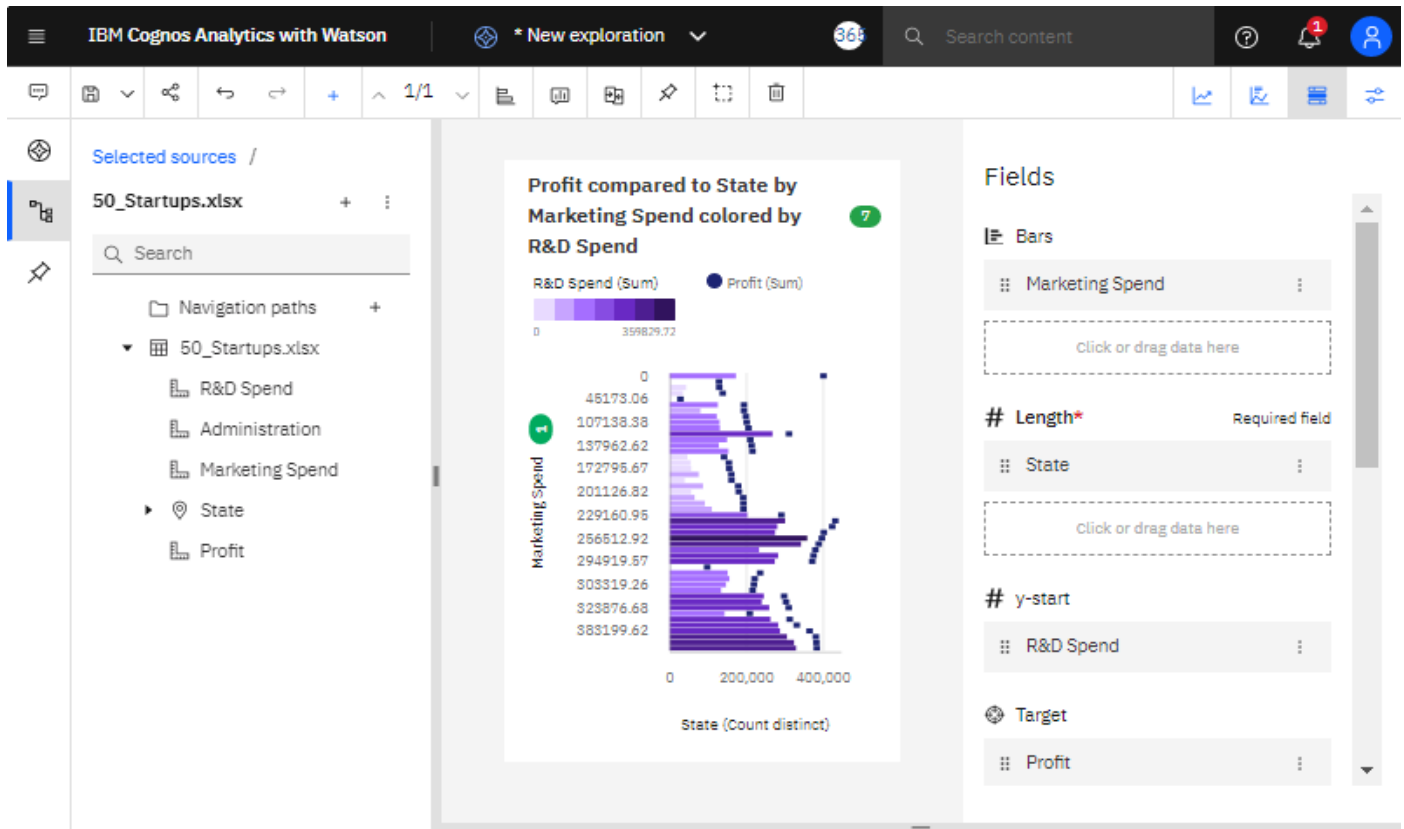
## Profit compared to sales by R&D colored by R&D spend



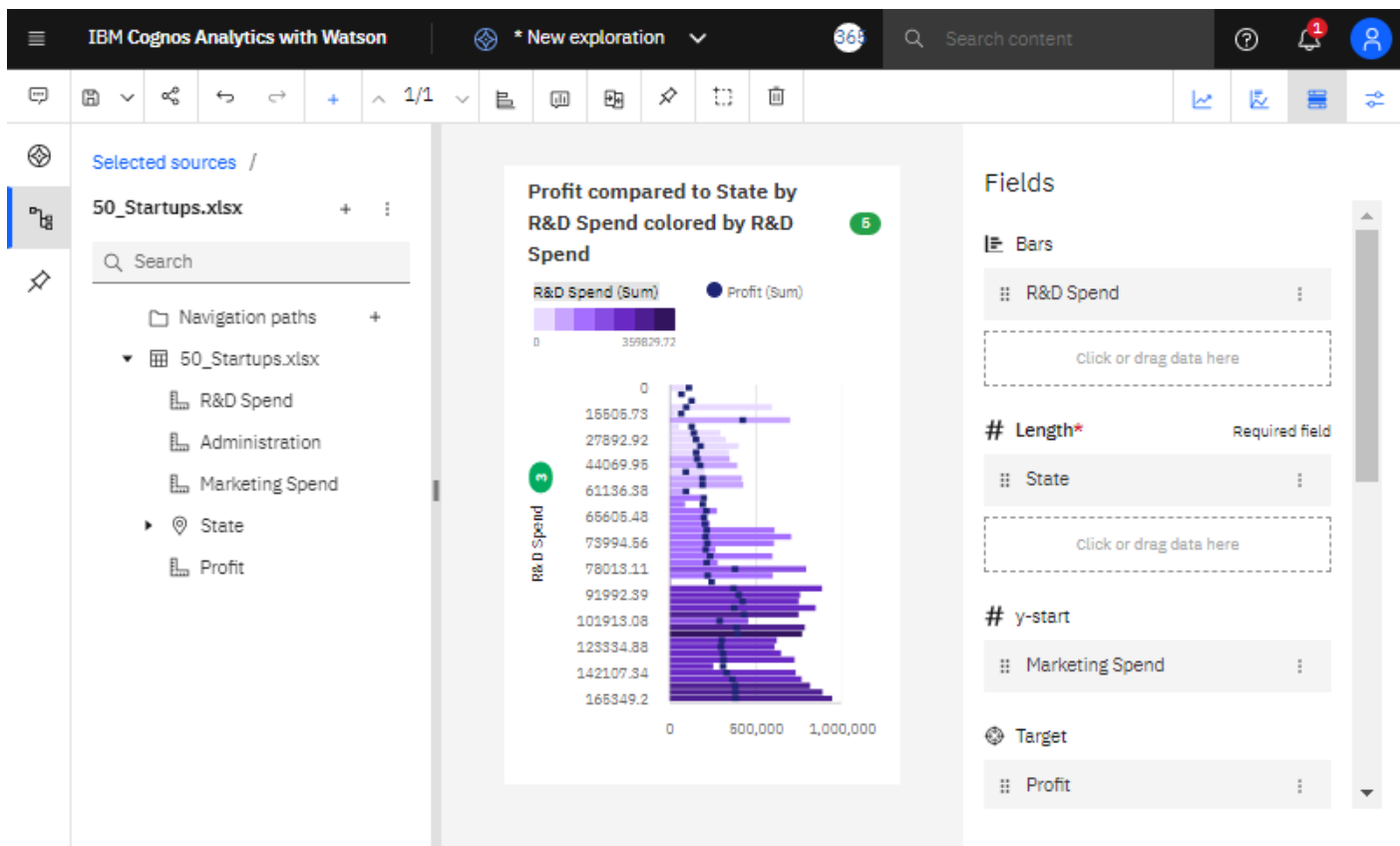
## profit compared to State by administration colored by R&D Spend



## Profit compared to state by Marketing Spend colored by R&D Spend

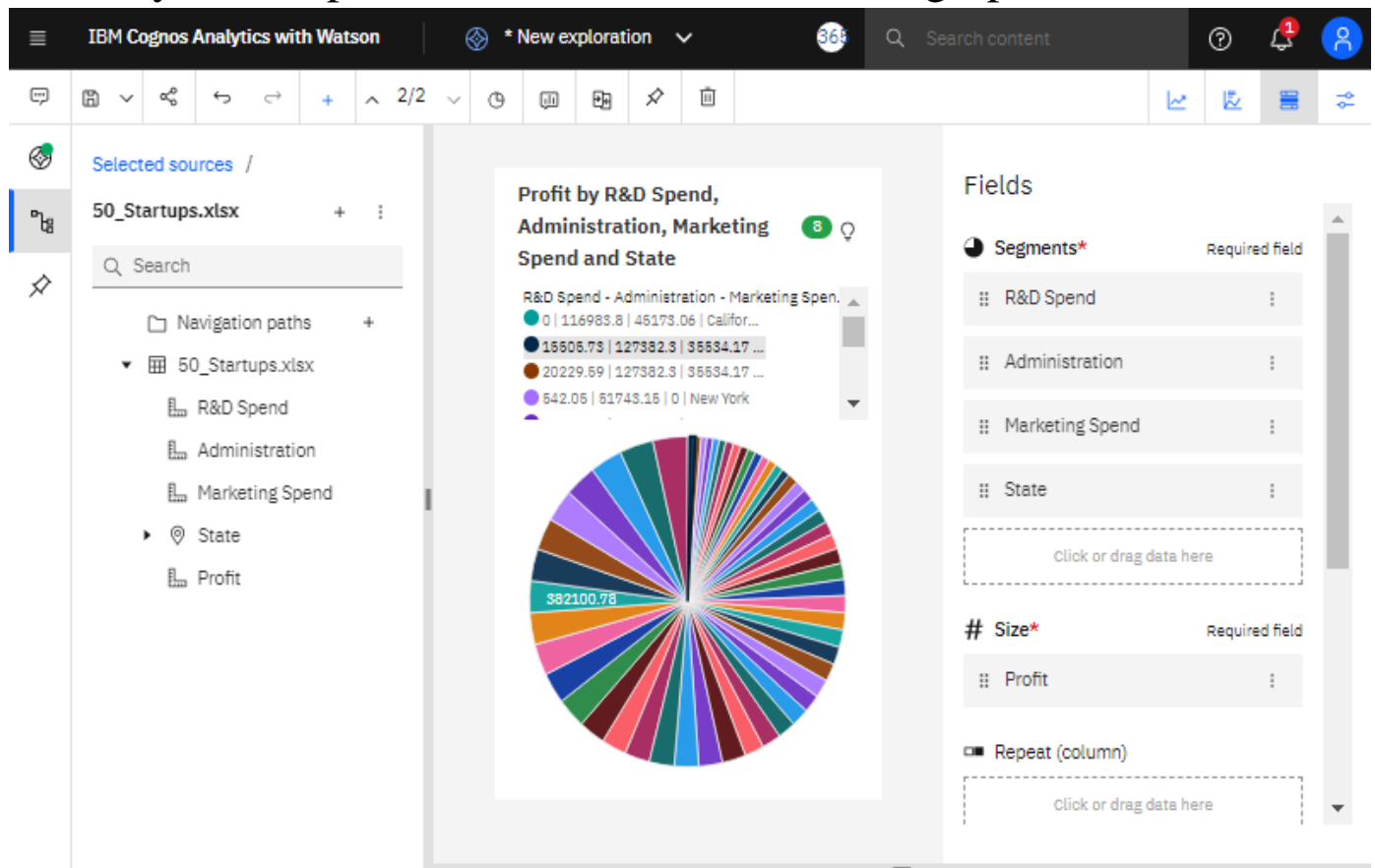


## Profit compare to state by R&D Spend colored by R&D Spend



## Pie charts

### Profit by R&D Spend, Administration, Marketing Spend and State



Cross table:

## Profit for R&D spend and Administration

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane shows a file named '50\_Startups.xlsx' with a navigation tree containing 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The main view displays a cross table titled 'Profit for R&D Spend and Administration'. The table has 'R&D Spend' as columns and 'Administration' as rows. The 'Profit' values are listed in the first column, with a total of 542.0. The 'R&D Spend' column shows '(no value)' for all rows. The 'Administration' column shows '(no value)' for all rows. The 'Fields' pane on the right shows 'R&D Spend' in the Columns section, 'Administration' in the Rows section, and 'Profit' in the Values section.

Profit	0	542.0
51283.14	(no value)	
51743.15	(no value)	
65947.93	(no value)	
82982.09	(no value)	
84710.77	(no value)	
85047.44	(no value)	
91391.77	(no value)	
91790.61	(no value)	
96189.63	(no value)	
99281.34	(no value)	
99814.71	(no value)	

## Profit for R&D Spend and State

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane shows a file named '50\_Startups.xlsx' with a navigation tree containing 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The main view displays a cross table titled 'Profit for R&D Spend and State'. The table has 'R&D Spend' as columns and 'State' as rows. The 'Profit' values are listed in the first column, with a total of 114482.26. The 'R&D Spend' column shows '(no value)' for all rows. The 'State' column shows '(no value)' for all rows. The 'Fields' pane on the right shows 'R&D Spend' in the Columns section, 'State' in the Rows section, and 'Profit' in the Values section.

Profit	0	542.0
California	114482.26	
Florida	(no value)	
New York	(no value)	
Summary	114482.26	

# Profit for Administration and Marketing Spend

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane displays a tree structure for '50\_Startups.xlsx' with categories: R&D Spend, Administration, Marketing Spend, State, and Profit. The main area features a pivot table titled 'Profit for Administration and Marketing Spend'. The table has 'Profit' as the column header and 'Administration' and 'Marketing Spend' as row headers. The data shows profit values for each combination, with many cells containing '(no value)'. The right-hand 'Fields' pane shows 'Administration' in the Columns section, 'Marketing Spend' in the Rows section, and 'Profit' in the Values section.

Profit	Administration	Marketing Spend
0	(no value)	(no value)
1903.93	(no value)	(no value)
28334.72	(no value)	(no value)
35534.17	(no value)	(no value)
45173.06	(no value)	(no value)
46085.25	(no value)	(no value)
88218.23	(no value)	(no value)
91131.24	(no value)	(no value)
107138.38	(no value)	(no value)
118148.2	(no value)	(no value)
127716.82	(no value)	(no value)

# Profit for State and administration

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane displays a tree structure for '50\_Startups.xlsx' with categories: R&D Spend, Administration, Marketing Spend, State, and Profit. The main area features a pivot table titled 'Profit for State and Administration'. The table has 'Profit' as the column header and 'State' and 'Administration' as row headers. The data shows profit values for each combination, with many cells containing '(no value)'. The right-hand 'Fields' pane shows 'State' in the Columns section, 'Administration' in the Rows section, and 'Profit' in the Values section.

Profit	State	Administration
51283.14	179898.28	(no value)
51743.15	(no value)	(no value)
65947.93	(no value)	(no value)
82982.09	162011.52	(no value)
84710.77	(no value)	(no value)
85047.44	(no value)	(no value)
91391.77	(no value)	(no value)
91790.61	432778.2	(no value)
96189.63	142996.98	(no value)
99281.34	(no value)	(no value)
99814.71	(no value)	(no value)