

HX8001

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

ASSIGNMENT-1

TEAM ID: PNT2022TMID42779

PROJECT TITLE: ESTIMATE THE CROP YIELD USING DATA ANALYTIC

NAME : LOGESHWARAN S

Explore data relationship:

R&D Spend

IBM Cognos Analytics with Watson


* New exploration

30

1

Cards

Data relationships




Explore data relationships

50_Startups.xlsx

Reset to original

R&D Spend

Edit diagram



Select single or multiple nodes to see visualizations.

Relationship diagram ⓘ

10% ——— 100%

Select a visualization

50_Startups.xlsx

Network 5
Internet access

3:47 PM
9/14/2022

Profit

IBM Cognos Analytics with Watson

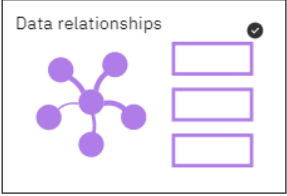
* New exploration

30

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Cards

Data relationships



50_Startups.xlsx

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Explore data relationships


50_Startups.xlsx

Reset to original

Q Profit

x

Edit diagram



Select single or multiple nodes to see visualizations.

Relationship diagram ⓘ

10% ————— 100%

Select a visualization

Network 5

Internet access

x

Marketing spend

IBM Cognos Analytics with Watson


* New exploration

30

1

Cards

Data relationships




Explore data relationships

50_Startups.xlsx

Reset to original

Marketing Spend

Edit diagram



Select single or multiple nodes to see visualizations.

Relationship diagram ⓘ

10% —●—●— 100%

Select a visualization

50_Startups.xlsx

Network 5
Internet access

Administration

IBM Cognos Analytics with Watson


* New exploration

30

1

Cards

Data relationships



☐☐☐


Explore data relationships

50_Startups.xlsx

Reset to original

Administration

Edit diagram



Select single or multiple nodes to see visualizations.

Relationship diagram ⓘ

10% ————— 100%

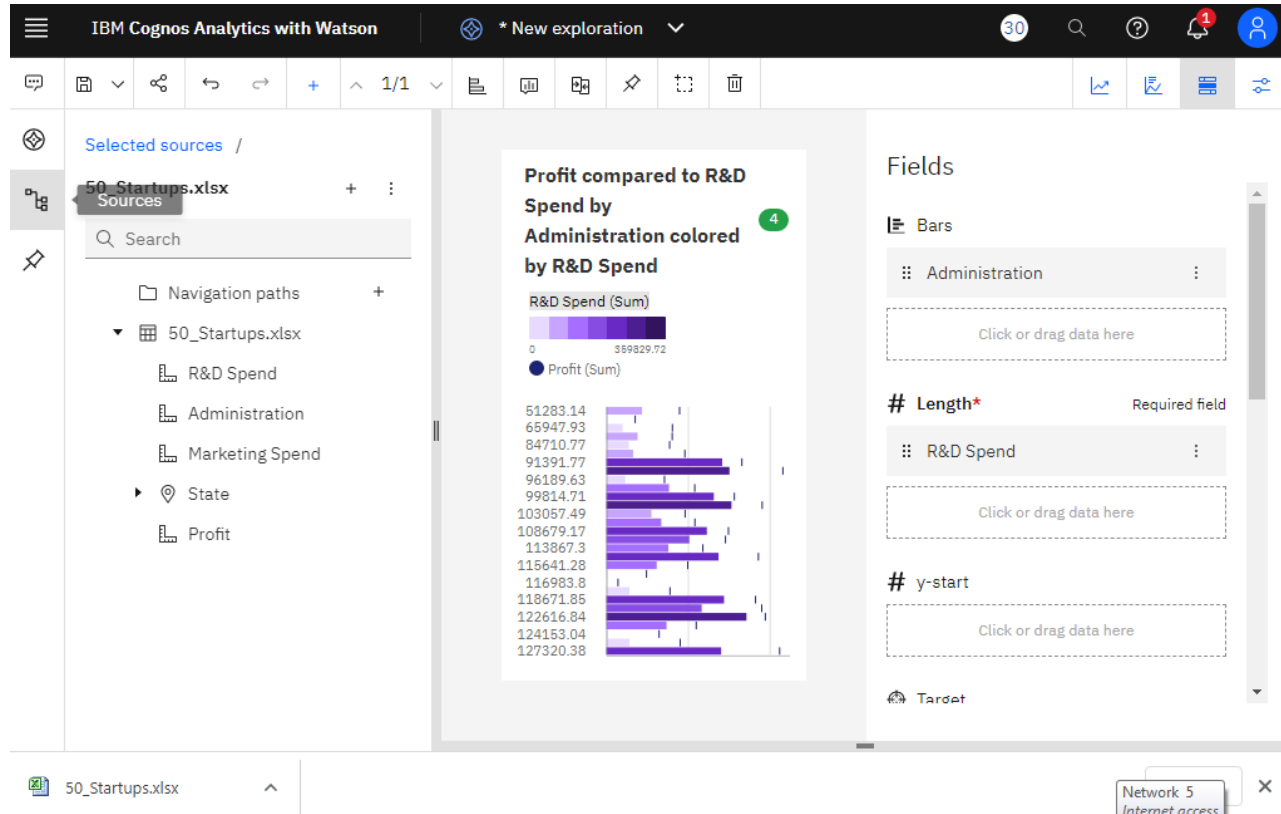
Select a visualization

50_Startups.xlsx

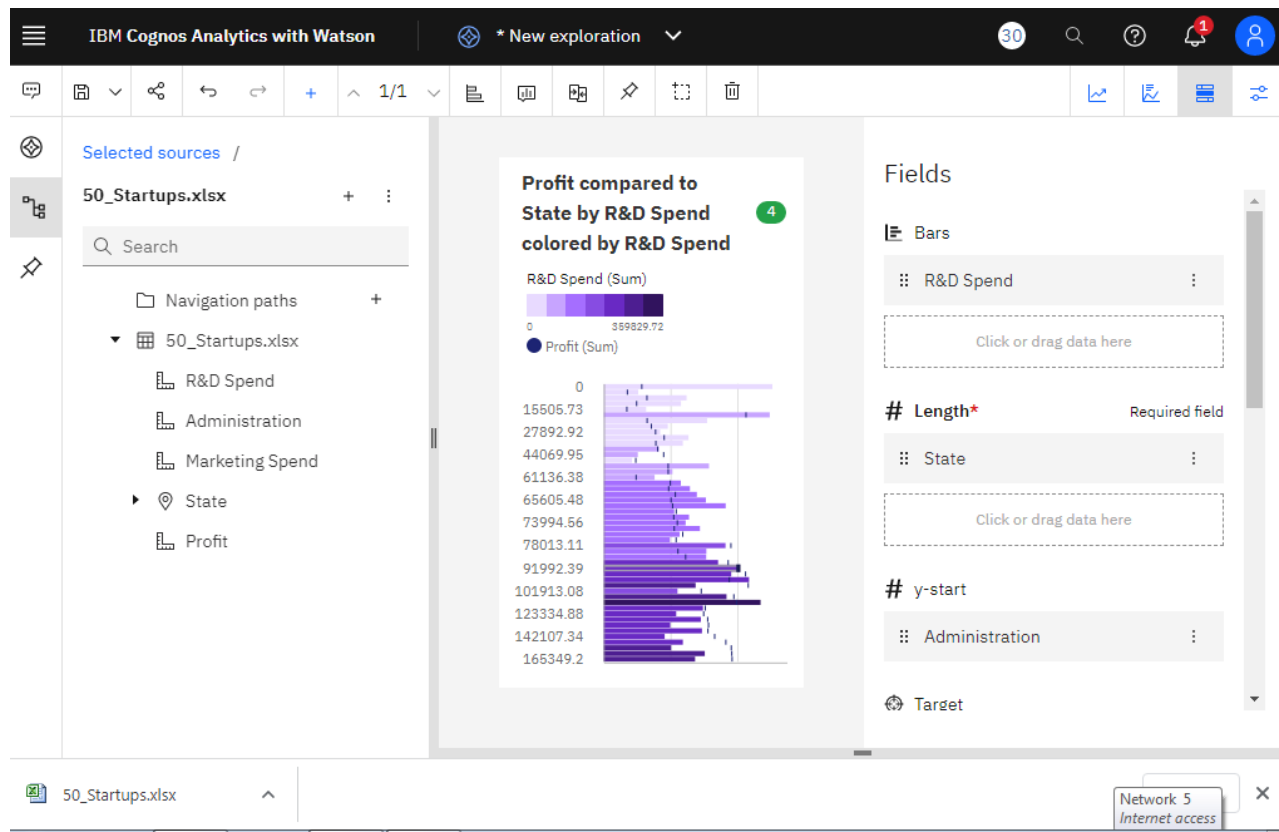
Network 5
Internet access

Bar diagram :

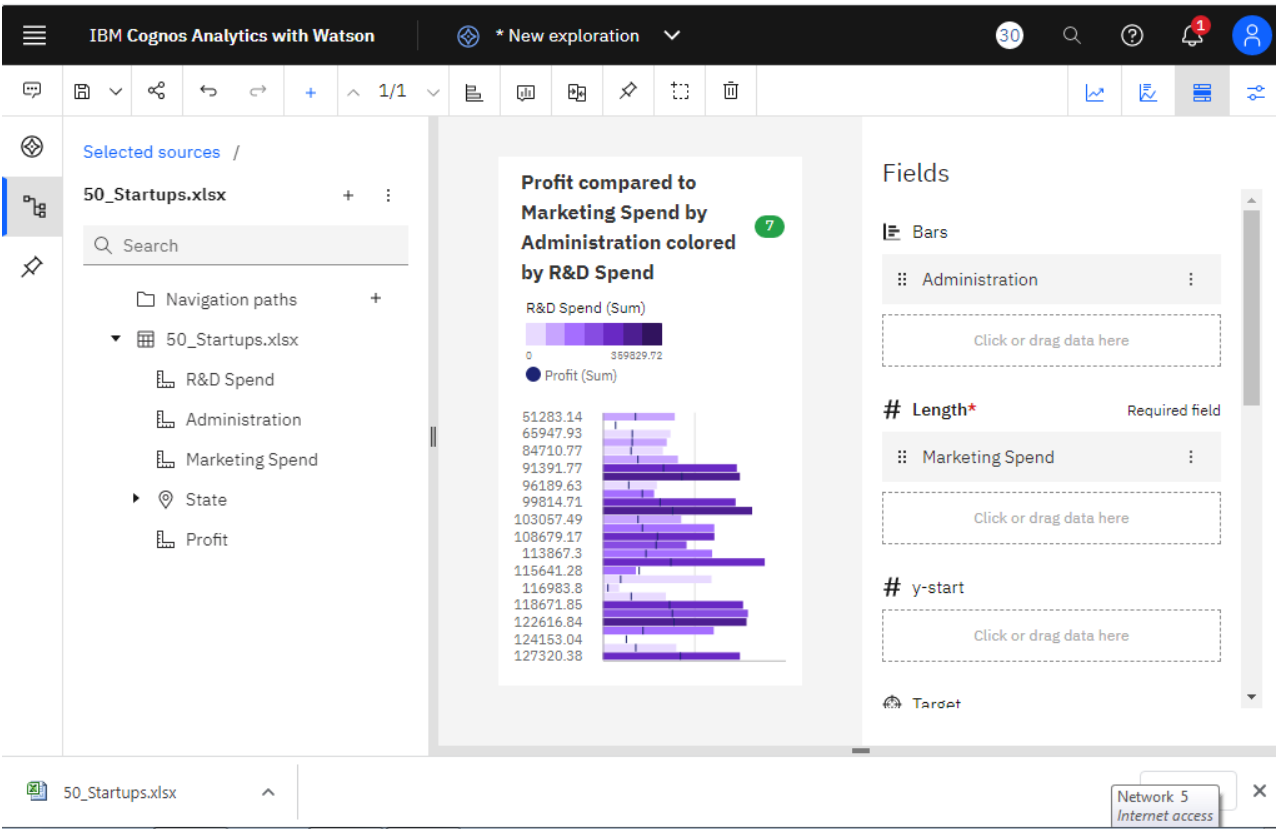
Profit compared to state by administration colored by R&D spend



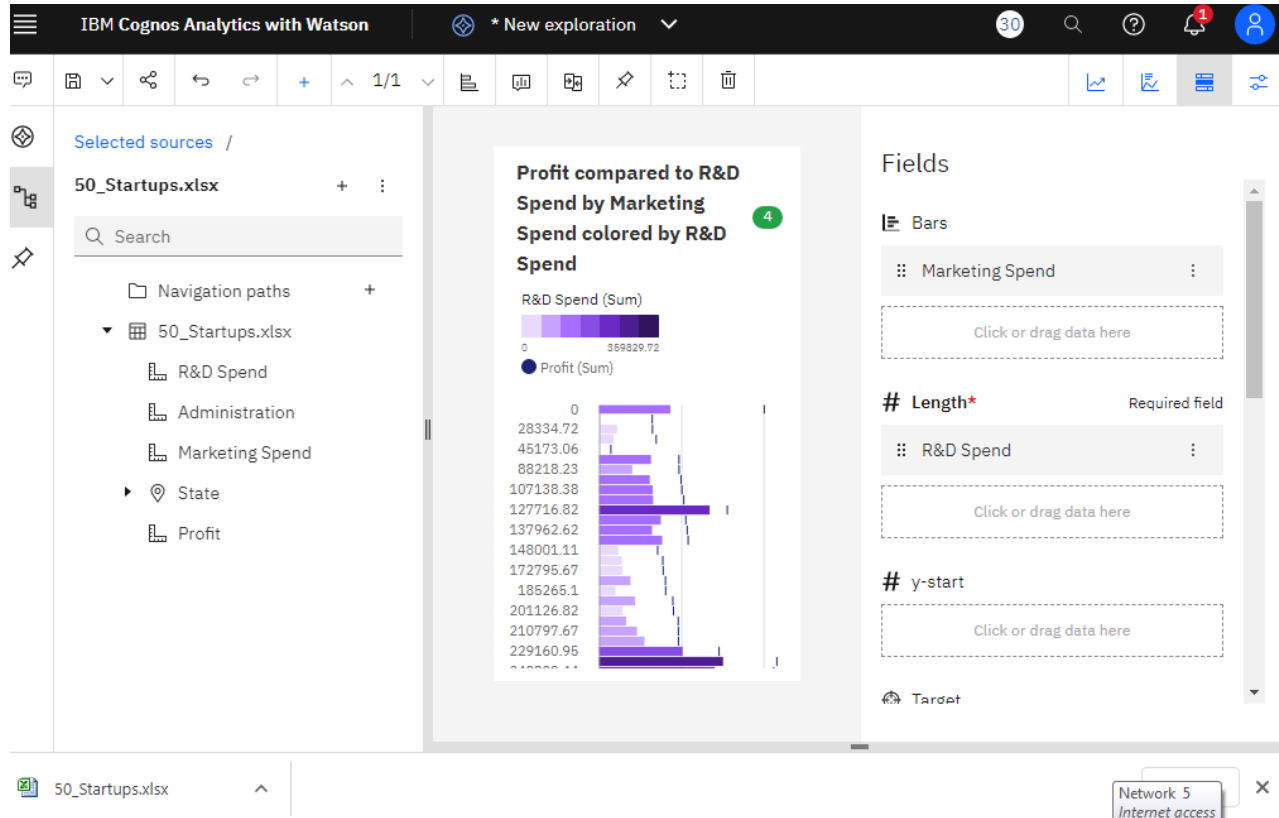
Profit compared to state by R&D Spend colored by R&D spend



Profit compared to state by administration colored by marketing

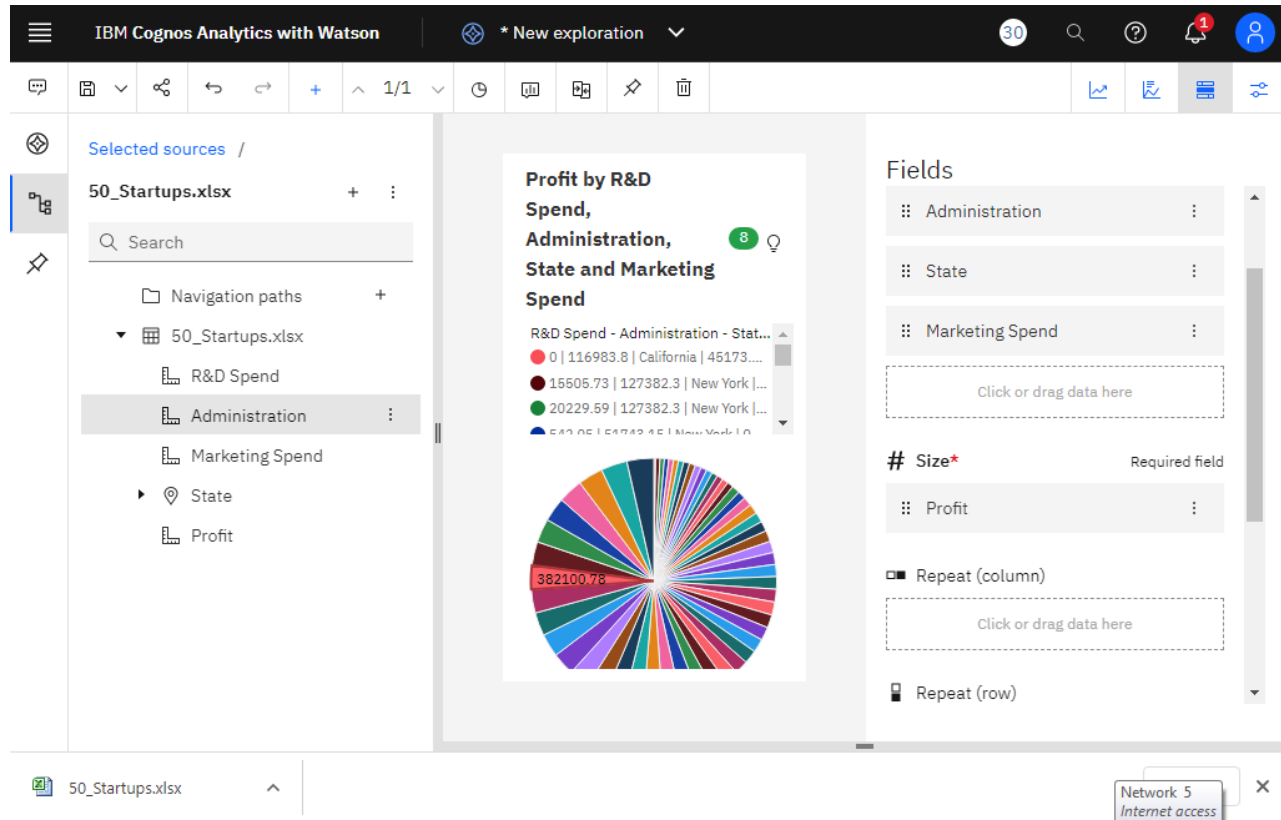


Profit compared to state by marketing spend colored by R&D spend

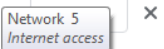


Pie chart :

Profit by R&D spend ,administration and marketing spend



Profit for R&D spend and administration



Profit for R&D spend and marketing spend

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane shows a file named '50_Startups.xlsx' with a tree view containing 'Navigation paths', '50_Startups.xlsx' (expanded), 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The main area shows a table titled 'Profit for R&D Spend and Marketing Spend' with 8 rows and 2 columns: 'Profit' and 'Summary'. The table data is as follows:

Profit	Summary
0	402020
1903.93	129852.16
28334.72	130400.66
35534.17	139517.96
45173.06	29362.8
46085.25	194855.68
88218.23	194967.12
91131.24	199875.18
107138.38	

On the right, the 'Fields' pane shows 'Columns' with 'R&D Spend' and 'Rows' with 'Marketing Spend'. Below these, the 'Values*' section shows 'Profit' as a required field. The bottom status bar indicates 'Visualization data 50_Startups.xlsx'.

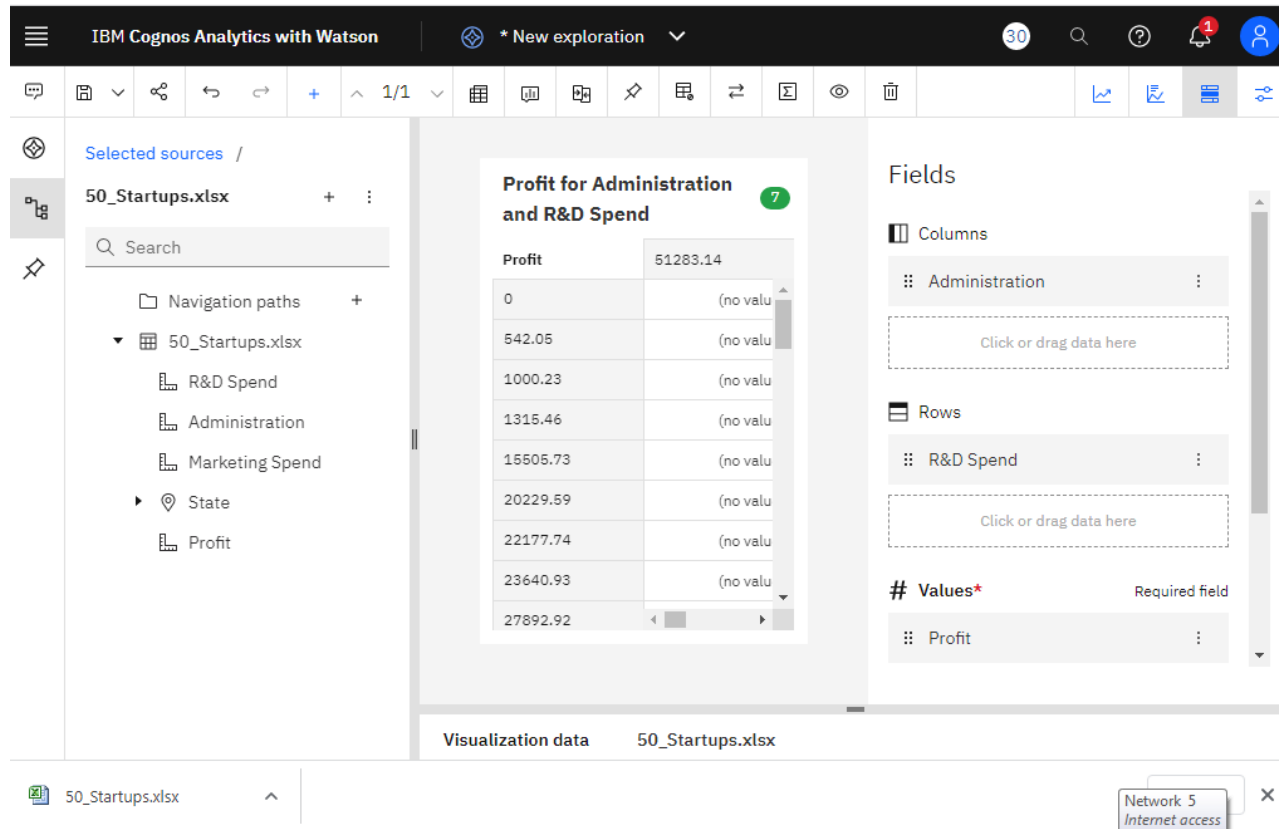
Profit for R&D spend and State

The screenshot displays the IBM Cognos Analytics interface. The main visualization is a pivot table titled "Profit for R&D Spend and State". The pivot table has "R&D Spend" as columns and "State" as rows. The data shows profit values for California, Florida, and New York, with a total profit of 12260566.08.

R&D Spend	State	Profit
California		3841622.84
Florida		4021487.43
New York		4397455.81
Summary		12260566.08

The interface includes a left sidebar with the data source "50_Startups.xlsx", a top toolbar with various icons, and a right sidebar with field lists for columns, rows, and values.

Profit for administration and R&D spend



The screenshot displays the IBM Cognos Analytics interface for a data exploration session. The main view shows a table titled "Profit for State and Administration" with two columns: "Profit" and "California". The table contains 10 rows of data. The left sidebar shows the "Selected sources" pane with "50_Startups.xlsx" and its navigation paths: "R&D Spend", "Administration", "Marketing Spend", "State", and "Profit". The right sidebar shows the "Fields" pane with "Columns" (State, Administration) and "Rows" (Administration, Profit). The bottom status bar shows "Visualization data" and "50_Startups.xlsx".

Profit	California
51283.14	179898.2
51743.15	(no valu
65947.93	(no valu
82982.09	162011.8
84710.77	(no valu
85047.44	(no valu
91391.77	(no valu
91790.61	432778
96189.63	

Profit for state and R&D spend

The screenshot displays the IBM Cognos Analytics with Watson interface. The main workspace shows a pivot table titled "Profit for State and R&D Spend" with 7 data points. The table has two columns: "Profit" and "California". The data rows are as follows:

Profit	California
0	114482.2
542.05	(no valu
1000.23	(no valu
1315.46	(no valu
15505.73	(no valu
20229.59	(no valu
22177.74	130400.6
23640.93	142996.5
27892.92	

The interface includes a left sidebar with "Selected sources" showing "50_Startups.xlsx" and a navigation tree with "Navigation paths", "50_Startups.xlsx", "R&D Spend", "Administration", "Marketing Spend", "State", and "Profit". The right sidebar shows "Fields" with "Columns" (State), "Rows" (R&D Spend), and "Values" (Profit). The bottom status bar indicates "Visualization data" and "50_Startups.xlsx". A network status notification for "Network 5 Internet access" is visible in the bottom right corner.

Profit for state and marketing spend

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Explorations' pane shows a project named '50_Startups.xlsx' with a search bar and a list of categories: 'Navigation paths', '50_Startups.xlsx', 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The main area shows a table titled 'Profit for State and Marketing Spend' with a green status indicator '5'. The table has two columns: 'Profit' and 'California'. The data rows are as follows:

Profit	California
0	85119.4
1903.93	(no valu
28334.72	130400.6
35534.17	(no valu
45173.06	29362
46085.25	194855.6
88218.23	(no valu
91131.24	(no valu
107138.38	

On the right, the 'Fields' pane shows 'Columns' with 'State' and 'Rows' with 'Marketing Spend'. Below these, there are dashed boxes with the text 'Click or drag data here'. At the bottom, the 'Values' section shows '# Values*' with 'Profit' as a required field. The bottom status bar indicates 'Visualization data 50_Startups.xlsx'.