

HX8001

PROFESSIONAL READINESS FOR INNOVATION,
EMPLOYMENTABILITY AND ENTREPRENEURSHIP

ASSIGNMENT-1

TEAM ID: PNT2022TMID4277

PROJECT TITLE: ESTIMATE THE CROP YIELD USING DATA ANALYTIC

Name: kalimuthu s

Explore data relationship

Marketing spend

The screenshot displays the IBM Cognos Analytics with Watson interface. The top navigation bar includes the IBM logo, the text "IBM Cognos Analytics with Watson", a dropdown menu for "* New exploration", a search icon, a help icon, a notification bell, and a user profile icon. Below the navigation bar is a toolbar with icons for chat, save, share, undo, redo, and a plus sign. The main content area is divided into two panels. The left panel, titled "Cards", contains a "Data relationships" card with a network diagram icon and three empty rectangular boxes. The right panel, titled "Explore data relationships", shows a network diagram with five nodes and several curved edges. The top of this panel includes the text "50_Startups.xlsx" and a "Reset to original" link. Below this is a search bar containing "Marketing Spend" and an "Edit diagram" dropdown menu. The network diagram consists of five purple circular nodes. One node on the right is highlighted with a thick black border. Below the diagram is the text "Select single or multiple nodes to see visualizations." At the bottom of the panel is a "Relationship diagram" label with an information icon, and a slider control ranging from "10%" to "100%".

Profit


IBM Cognos Analytics with Watson

* New exploration

36°

Cards

Data relationships




Explore data relationships

50_Startups.xlsx

Reset to original

Profit

Edit diagram



Select single or multiple nodes to see visualizations.

Relationship diagram ⓘ

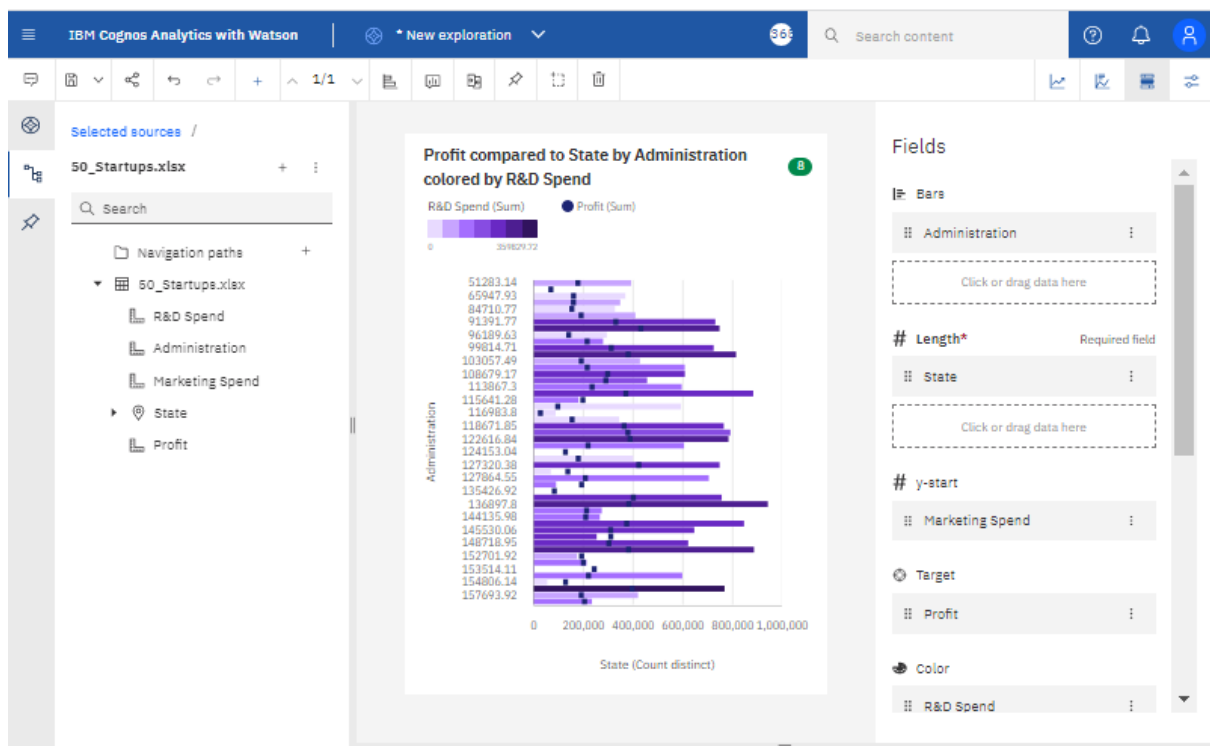
10% — 100%

R&D spend

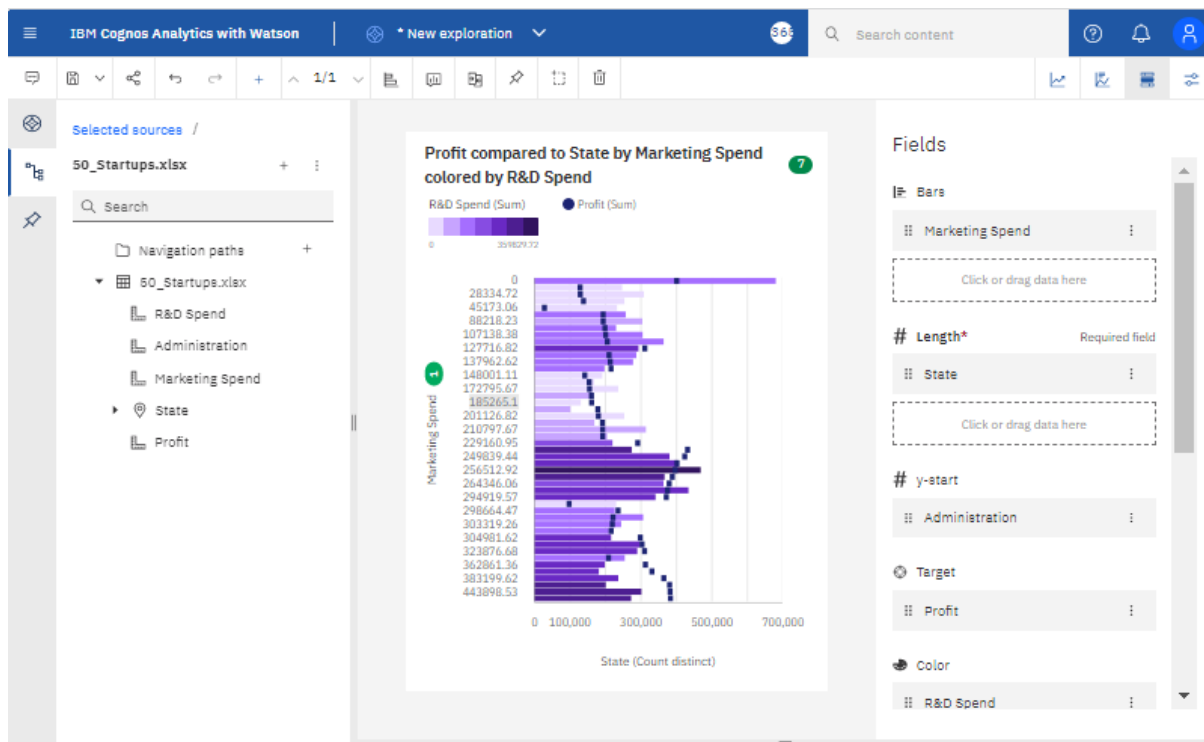
The screenshot displays the IBM Cognos Analytics with Watson interface. The top navigation bar includes the IBM logo, the text "IBM Cognos Analytics with Watson", and buttons for "New exploration", a clock icon showing "36s", a search icon, a help icon, a notification bell, and a user profile icon. Below the navigation bar is a toolbar with icons for chat, save, share, undo, redo, and a plus sign. The main interface is divided into two panels. The left panel, titled "Cards", contains a "Data relationships" card with a network diagram icon and three empty rectangular boxes. The right panel, titled "Explore data relationships", shows a search bar with the text "R&D Spend" and a "Reset to original" link. Below the search bar is a relationship diagram with three nodes (two purple, one black) connected by a curved purple line. A text prompt below the diagram says "Select single or multiple nodes to see visualizations." At the bottom of the right panel, there is a "Relationship diagram" label with an information icon, and a slider control ranging from "10%" to "100%".

Bar chart

Profit compared to state by administration

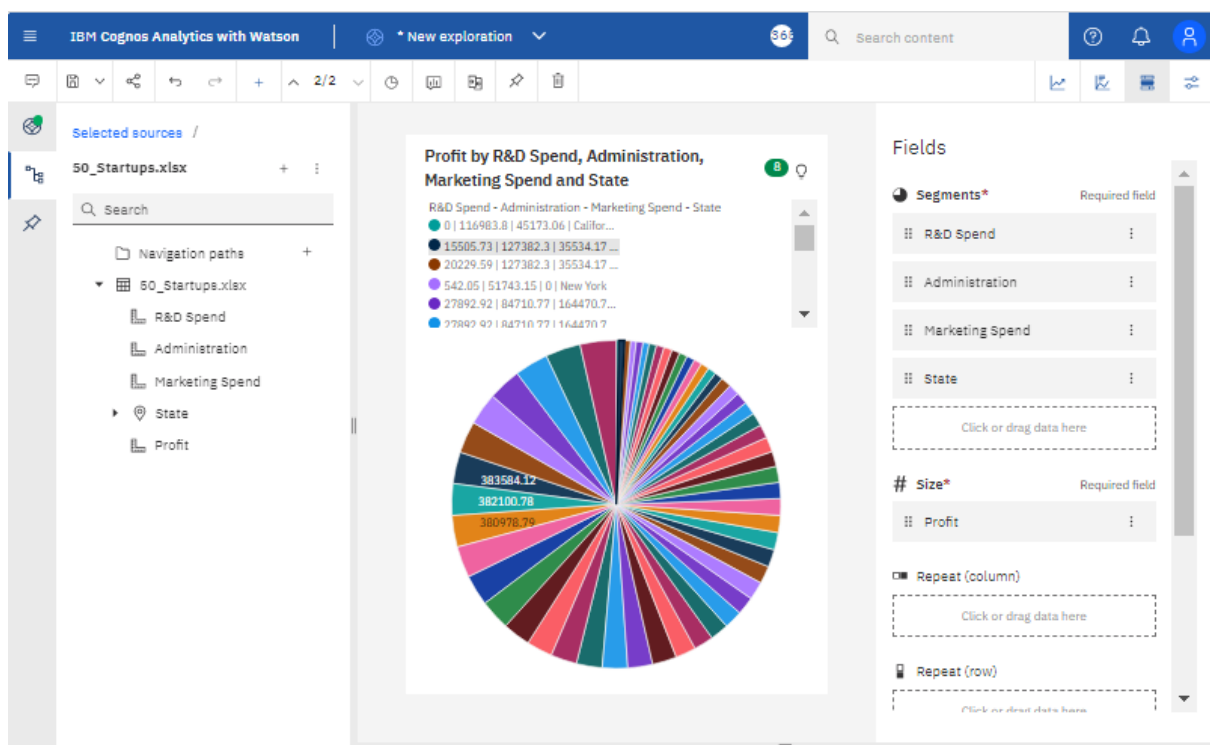


Profit compared to state by marketing spend colored by R&D spend



Pie chart

Profit by R&D spend, administration, marketing spend and state



Cross tab

Profit for R&D spend and administration

The screenshot displays 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 area shows a cross-tab report titled 'Profit for R&D Spend and Administration'. The report has 'R&D Spend' as columns and 'Administration' as rows. The values represent profit, with some cells showing '(no value)'. On the right, the 'Fields' pane shows 'R&D Spend' in the Columns section, 'Administration' in the Rows section, and 'Profit' in the Values section, marked as a required field.

Profit	0	542.05	1000.23
51283.14	(no value)	(no value)	
51743.15	(no value)	71346.82	
65947.93	(no value)	(no value)	
82982.09	(no value)	(no value)	
84710.77	(no value)	(no value)	
85047.44	(no value)	(no value)	
91391.77	(no value)	(no value)	
91790.61	(no value)	(no value)	
96189.63	(no value)	(no value)	
99281.34	(no value)	(no value)	
99814.71	(no value)	(no value)	
101145.55	(no value)	(no value)	
103057.49	(no value)	(no value)	
105751.03	(no value)	(no value)	
108679.17			

Profit for R&D spend and marketing spend

IBM Cognos Analytics with Watson | New exploration

Search content

Selected sources /

50_Startups.xlsx

Navigation paths

- 50_Startups.xlsx
 - R&D Spend
 - Administration
 - Marketing Spend
 - State
 - Profit

Profit for R&D Spend and Marketing Spend 8

Profit	0	542.05	1000.23
0	85119.46	71346.82	
1903.93	(no value)	(no value)	
28334.72	(no value)	(no value)	
35534.17	(no value)	(no value)	
45173.06	29362.8	(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)	
134050.07	(no value)	(no value)	
137962.62	(no value)	(no value)	
140574.81	(no value)	(no value)	
148001.11			

Fields

Columns

- R&D Spend

Click or drag data here

Rows

- Marketing Spend

Click or drag data here

Values* Required field

- Profit

Click or drag data here

Local filters

Click or drag data here

Profit for administration and marketing spend

IBM Cognos Analytics with Watson

New exploration

565

Search content

Selected sources /

50_Startups.xlsx

Search

Navigation paths

50_Startups.xlsx

R&D Spend

Administration

Marketing Spend

State

Profit

Profit for Administration and Marketing Spend 5

Profit	51283.14	51743.15	65947.9
0	(no value)	71346.82	
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)	
134050.07	(no value)	(no value)	
137962.62	(no value)	(no value)	
140574.81	(no value)	(no value)	
148001.11			

Fields

Columns

Administration

Click or drag data here

Rows

Marketing Spend

Click or drag data here

Values*

Required field

Profit

Click or drag data here

Local filters

Click or drag data here

Profit for administration and state

The screenshot displays the IBM Cognos Analytics interface. The main content area shows a table titled "Profit for Administration and State" with 4 columns. The table data is as follows:

Profit	51283.14	51743.15	65947.9
California	179090.28	(no value)	
Florida	(no value)	(no value)	
New York	(no value)	71346.82	:
Summary	179090.28	71346.82	:

The left sidebar shows the "Selected sources" section with "50_Startups.xlsx" selected. Below it, a search bar and a list of navigation paths are visible, including "50_Startups.xlsx", "R&D Spend", "Administration", "Marketing Spend", "State", and "Profit".

The right sidebar, titled "Fields", contains configuration options for the table. It includes sections for "Columns" (with "Administration" selected), "Rows" (with "State" selected), "# Values*" (with "Profit" selected), and "Local filters". Each section has a "Click or drag data here" prompt.