

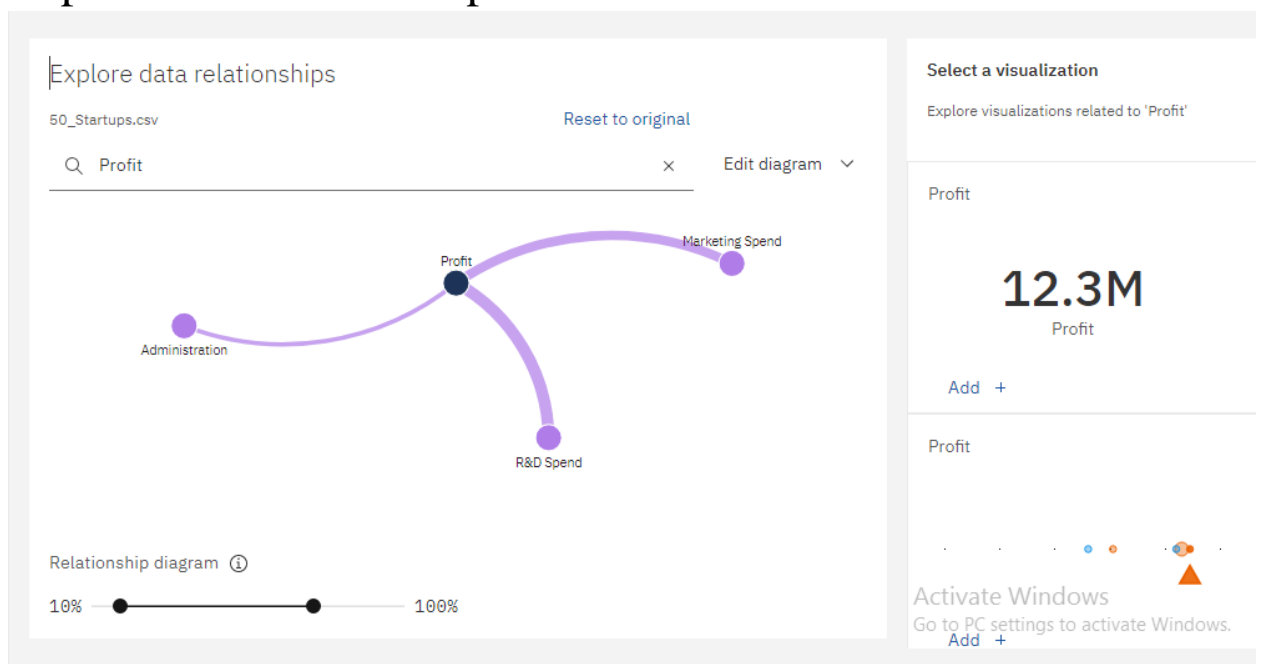
ASSIGNMENT

1. Checking the data preparation form the data set given

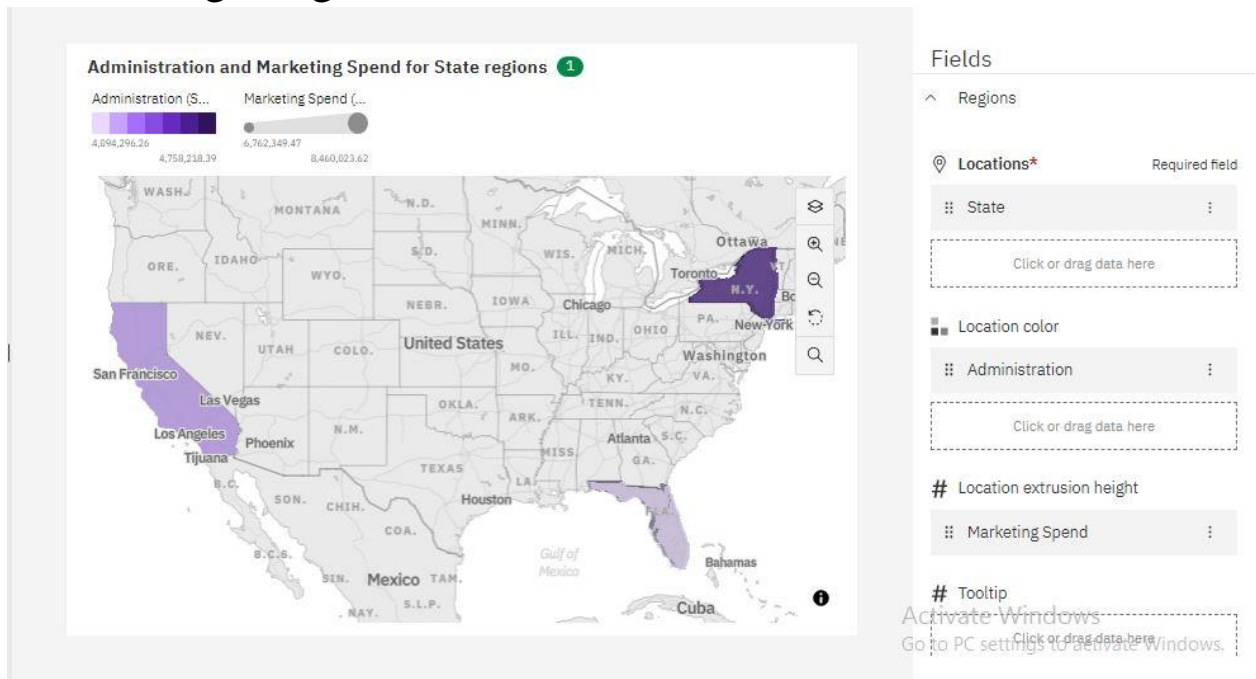
The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the data source '50_Startups_DataPrep.csv' and its fields: Row Id, R&D Spend, Administration, Marketing Spend, State, and Profit. The 'R&D Spend' field is selected. The main area displays a table with 13 rows of data. The columns are Row Id, R&D Spend, Administration, Marketing Spend, State, and Profit. The data is as follows:

Row Id	R&D Spend	Administration	Marketing Spend	State	Profit
1	165349.2	136897.8	471784.1	New York	192261.83
2	162597.7	151377.59	443898.53	California	191792.06
3	153441.51	101145.55	407934.54	Florida	191050.39
4	144372.41	118671.85	383199.62	New York	182901.99
5	142107.34	91391.77	366168.42	Florida	166187.94
6	131876.9	99814.71	362861.36	New York	156991.12
7	134615.46	147198.87	127716.82	California	156122.51
8	130298.13	145530.06	323876.68	Florida	155752.6
9	120542.52	148718.95	311613.29	New York	152211.77
10	123334.88	108679.17	304981.62	California	149759.96
11	101913.08	110594.11	229160.95	Florida	146121.95
12	100671.96	91790.61	249744.55	California	144259.4
13	93863.75	127320.38	249839.44	Florida	141585.52

2. Explore data relationships



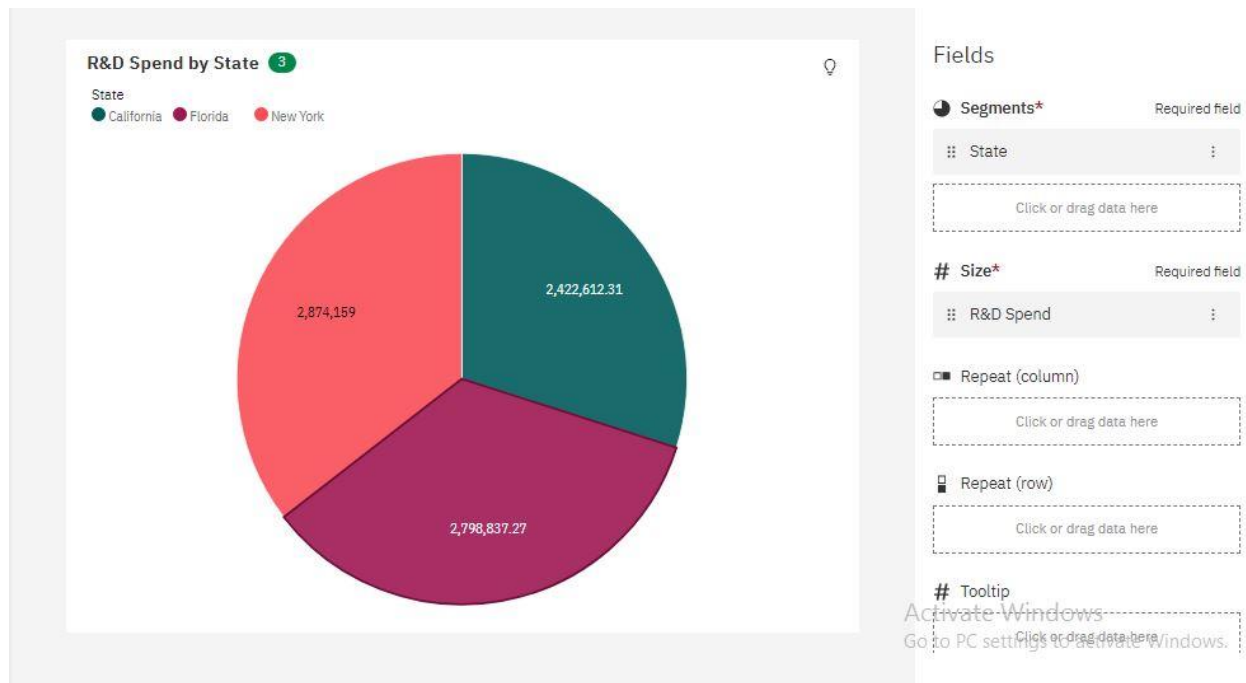
3. Visualizing the given dataset



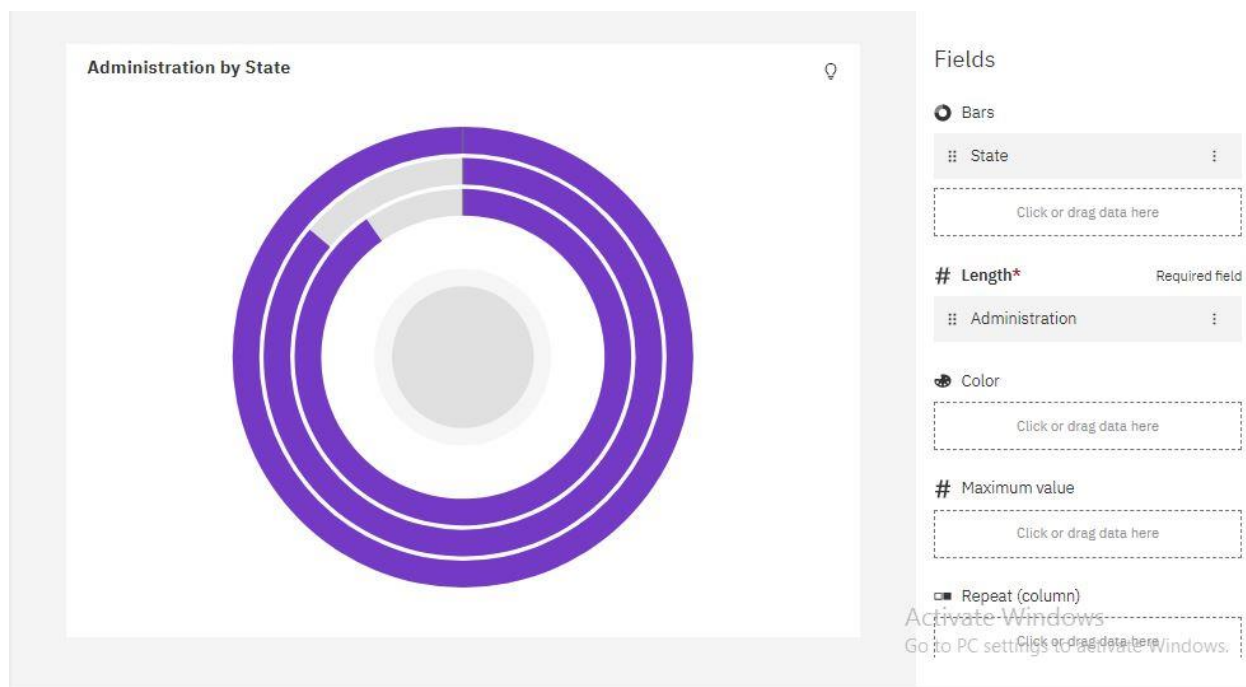
4. Bar chart (Profit by State)



5. Pie Chart(R&D Spend by State)



6. Radial Chart (Administration by State)



7. Area Chart (Marketing Spend by State)

