**RAPYDER DATA ANALYTICS ASSIGNMENT SOLUTION EXPLANATION**

1. What are the Job Opportunities in the Top 20 cities?

Step 1: Read CSV and create DataFrame of the CSV.

Step 2: Return the first N rows from head () Function.

Step 3: Get List of all Columns.

Step 4: List out all Job Titles and Location from DataFrame.

Step 5: Create lambda function for checking top 20 cities.

Step 6 :Using ValueCounts() Function check top 20 cities.

1. What are the Job Opportunities in the Top 20 Industries?

Step 1: Read CSV and create DataFrame of the CSV.

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Step 6 :Using ValueCounts() Function check top 20 Industries.

For Visualisation :

Step 1: Download a basemap install into notebook using python PIP.

Step 2: Import all plotting libraries.

Step 3: Create a Figure Using BaseMap function add all necessary

Parameters.

Step 4: Create list of top cities and those top cities Lat and Long.

Step 5: Add into scatter plot.

Step 6 : plt.show()

1. What are the Top 20 Job Categories?

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Step 5: Create lambda function for checking top 20 job categories.

Step 6 :Using ValueCounts() Function check top 20 job categories.

1. What are the Top 20 Job Roles?

Step 1: Read CSV and create DataFrame of the CSV.

Step 2: Return the first N rows from head () Function.

Step 3: Get List of all Columns.

Step 4: List out all Job Titles and Location from DataFrame.

Step 5: Create lambda function for checking top 20 job roles.

Step 6 :Using ValueCounts() Function check top 20 job roles.

1. What is the Top 5 Location for Top 20 Industries:

Step 1: Read CSV and create DataFrame of the CSV.

Step 2: Return the first N rows from head () Function.

Step 3: Get List of all Columns.

Step 4: List out all Job Titles and Location from DataFrame.

Step 5: Create lambda function for checking top 20 Industries.

Step 6 :Using ValueCounts() Function check top 5 Locations.

1. What are the Skills required for various job categories?

Step 1: Read CSV and create DataFrame of the CSV.

Step 2: Return the first N rows from head () Function.

Step 3: Get List of all Columns.

Step 4: Create a groupby of role category and get key skills.

1. What is the Average salary offered in the top 10 cities?

Step 1: Read CSV and create DataFrame of the CSV.

Step 2: Return the first N rows from head () Function.

Step 3: Get List of all Columns.

Step 4: List out all Job Titles and Location from DataFrame.

Step 5: Create lambda function for checking top 20 Cities.

Step 6 :Using ValueCounts() Function check top 20 Cities.

Step 7 : Apply a mean() Function to top 10 cities.

1. What is the Average salary offered by the top 10 Industries in the top 5 locations?

Step 1: Read CSV and create DataFrame of the CSV.

Step 2: Return the first N rows from head () Function.

Step 3: Get List of all Columns.

Step 4: List out all Job Titles and Location from DataFrame.

Step 5: Create lambda function for checking top 20 Industries.

Step 6 :Using ValueCounts() Function check top 20 Industries.

Step 7 : Apply a mean() Function to top 10 cities.