01-MAY-2022 Pandas Data Manipulation

Activity: #5

Dataset: PastHires.csv (*Available in Classwork: Refer link below*)

Topic: Activity: Tutorial and Practice

Task	Description
1.	Extract the named columns of the dataset.
2.	Return a series from the dataset using Pandas
3.	Extract a single value from a specified column/row combination
4.	Extract a given range of rows from named column
5.	Pass in **Years Experience** and **Hired** as an array of column names and display the result
6.	Extract specific ranges of rows from more than one column, in the way you'd expect
7.	Sort the DataFrame by **Years Experience**
8.	How to get the distribution of **Level of Education?**
9.	Plot the series of the result of Task – 8
10.	Try extracting rows 5-10 of our DataFrame, preserving only the "Previous Employers" and "Hired" columns.
11.	Assign that to a new DataFrame, and create a histogram plotting the distribution of the previous employers in this subset of the data.

Activity: #6

Dataset:

GDP:'https://s3-api.us-geo.objectstorage.softlayer.net/cf-courses-data/CognitiveClass/PY0101EN/projects/coursera_project/clean_gdp.csv'

Unemployment:'https://s3-api.us-geo.objectstorage.softlayer.net/cf-courses-data/CognitiveClass/PY0101EN/projects/coursera_project/clean_unemployment.csv'

Topic: Activity: Tutorial and Practice

Task	**Description**
1.	Create a dataframe that contains the GDP data and display the first five rows of the dataframe.
2.	Create a dataframe that contains the unemployment data. Display the first five rows of the dataframe.
3.	Display a dataframe where unemployment was greater than 8.5%.