**Project Python**

**Lidor Aviv**

import pandas as pd

import seaborn as sb

import numpy as np

import matplotlib as mpl

import matplotlib.pyplot as plt

%matplotlib inline

df = pd.read\_csv('diamonds.csv')

df

#Q1

df.price.max()

#Q2

df.price.mean()

#Q3

df['cut'][df['cut'].isin(['Ideal'])].count()

#Q4

df.color.drop\_duplicates()

#Q5

a = df[['carat']][df['cut'].isin(['Premium'])]

np.median(a)

#Q6

df.groupby('cut')['carat'].mean().to\_frame()

#Q7

df.groupby('color')['price'].mean().to\_frame()