```
In [ ]:
         import pandas as pd
         import matplotlib.pyplot as mplib
         from sklearn.linear model import LinearRegression
In [ ]:
         Data = pd.read csv('USA Population 1960-2020.csv')
In [ ]:
         Year = pd.DataFrame(Data,columns=["Year"])
         Population = pd.DataFrame(Data,columns=["Population"])
In [ ]:
         mplib.figure(figsize=(20.5,8.5))
         mplib.scatter(Year, Population, alpha=0.6)
         mplib.title("USA Population 1960-2020")
         mplib.xlabel("Year")
         mplib.ylabel("Population")
         mplib.ylim(15000000,350000000)
         mplib.xlim(1959,2021)
         mplib.style.use("fivethirtyeight")
                                            USA Population 1960-2020
         3.0
         2.5
         1.0
         0.5
In [ ]:
         LinearRegression = LinearRegression()
         LinearRegression.fit(Year, Population)
         LinearRegression.coef # returns slope coeficent theta subcript 1
        array([[2566194.82797462]])
Out[]:
In [ ]:
         LinearRegression.intercept
        array([-4.85168057e+09])
```