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**Assignment 1 2019-10-03**

**import** numpy **as** np

​**import** pandas **as** pd

weight**=**pd.read\_csv('Data/freshman\_kgs.csv')['Weight\_Sep'].values

print("Current data set:", weight)

Current data set: [72 97 74 93 68 59 64 56 70 58 50 71 67 56 70 61 53 92 57 67 58 49 68 69

87 81 60 52 70 63 56 68 68 54 80 64 57 63 54 56 54 73 77 63 51 59 65 53

62 55 74 74 64 64 57 64 60 64 66 52 71 55 65 75 42 74 94]

print("Current data set has;")

print("Average value: ",np.average(weight))

print("Standard deviation:",np.std(weight))

print("Minimum value: ",np.min(weight))

print("Maximum value: ",np.max(weight))

Current data set has;

Average value: 65.05970149253731

Standard deviation: 11.20085364152898

Minimum value: 42

Maximum value: 97

print("30th percentile: ",np.percentile(weight, 30))

print("Median is : ",np.median(weight))

print("70th percentile: ",np.percentile(weight, 70))

30th percentile: 57.8

Median is : 64.0

70th percentile: 69.19999999999999

**%**matplotlib inline

**import** matplotlib.pyplot **as** plt

**import** seaborn; seaborn.set()

plt.title('Weight\_Sep Distribution – By Viacheslav')

plt.hist(weight,10,density**=False**, facecolor**=**'r')

plt.xlabel('Weight')

plt.ylabel('Number')

plt.show()

