

In []: `import main`

In []: `df = main.read_csv("Health_Sleep_Statistics.csv")`

Descriptive Statistics

In []: `df.head()`

	User ID	Age	Gender	Sleep Quality	Bedtime	Wake-up Time	Daily Steps	Calories Burned	Physical Activity Level	Dietary Habits	Sleep Disorders	Medication Usage
0	1	25	f	8	23:00	06:30	8000	2500	medium	healthy	no	no
1	2	34	m	7	00:30	07:00	5000	2200	low	unhealthy	yes	yes
2	3	29	f	9	22:45	06:45	9000	2700	high	healthy	no	no
3	4	41	m	5	01:00	06:30	4000	2100	low	unhealthy	yes	no
4	5	22	f	8	23:30	07:00	10000	2800	high	medium	no	no

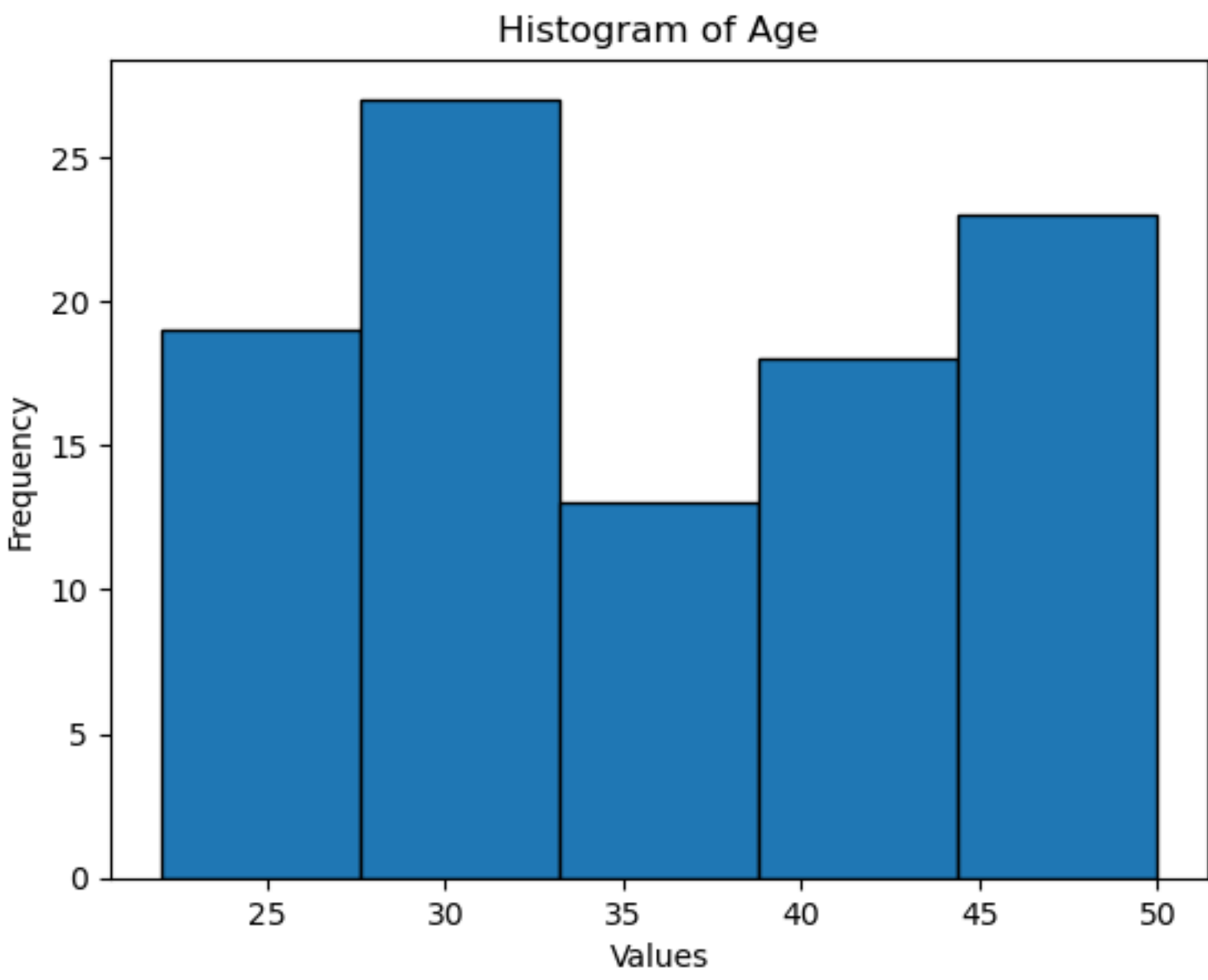
Summary Statistics

In []: `stats = main.get_descriptive_stats(df)`
`stats`

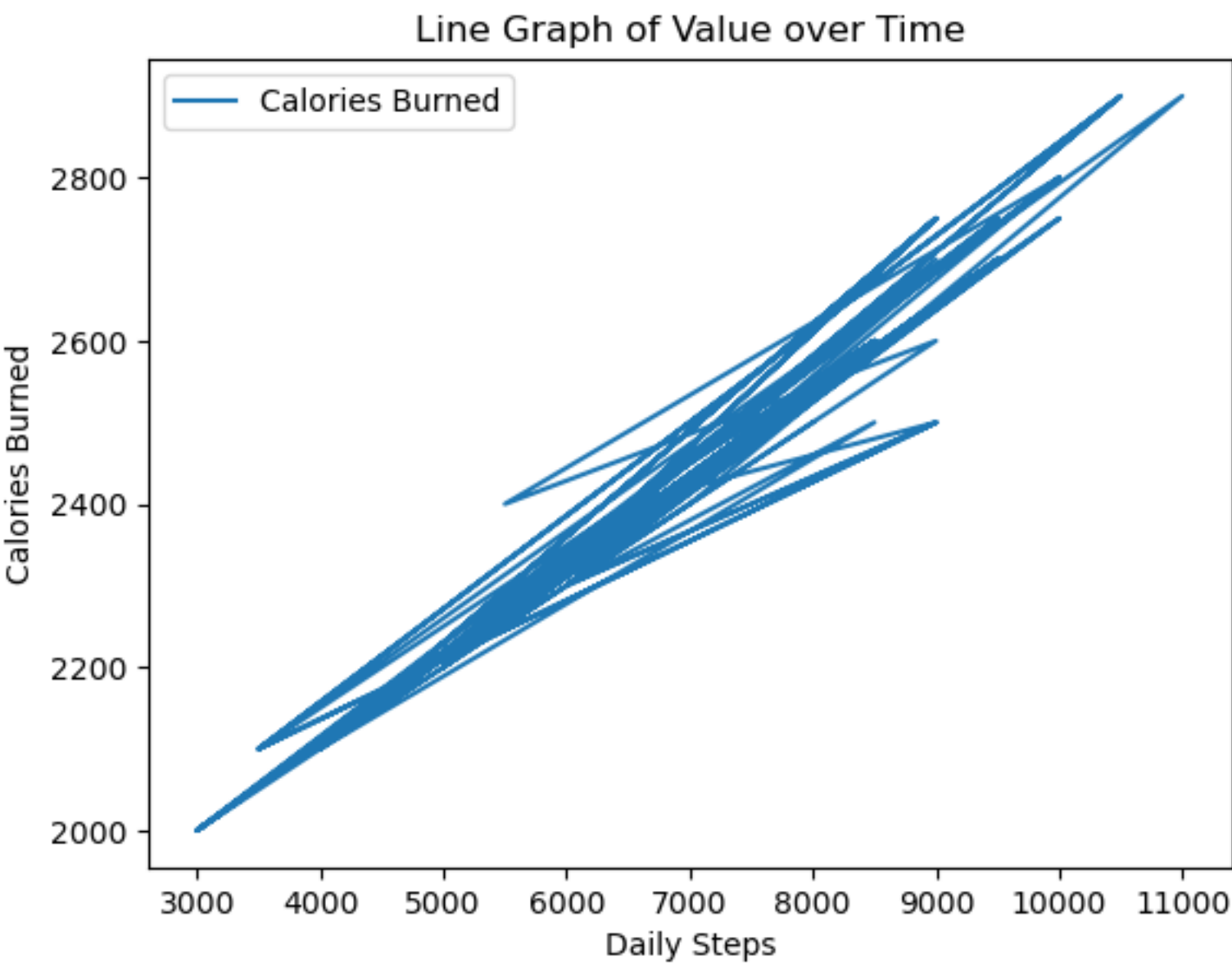
	User ID	Age	Sleep Quality	Daily Steps	Calories Burned
count	100.000000	100.000000	100.000000	100.000000	100.000000
mean	50.500000	36.010000	7.000000	6830.000000	2421.000000
std	29.011492	8.454865	1.734964	2498.706736	281.06759
min	1.000000	22.000000	4.000000	3000.000000	2000.000000
25%	25.750000	28.750000	5.750000	4750.000000	2175.000000
50%	50.500000	35.000000	7.500000	6750.000000	2400.000000
75%	75.250000	44.000000	8.250000	9000.000000	2700.000000
max	100.000000	50.000000	9.000000	11000.000000	2900.000000

Visualization

In []: `main.get_histogram(df, "Age")`



In []: `main.get_line_graph(dataframe = df, x_col = 'Daily Steps', y_col = 'Calories Burned')`



In []:

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0	1	25	f	8	23:00	06:30	8000	2500	medium	healthy	no	no
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In []: