In [ ]:
```
import main
```

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

Descriptive Statistics

In [ ]:
```
df.head()
```

Out[ ]: shape: (5, 12)

User ID	Age	Gender	Sleep Quality	Bedtime	Wake-up Time	Daily Steps	Calories Burned	Physical Activity Level	Dietary Habits
i64	i64	str	i64	str	str	i64	i64	str	str
1	25	"f"	8	"23:00"	"06:30"	8000	2500	"medium"	"healthy"
2	34	"m"	7	"00:30"	"07:00"	5000	2200	"low"	"unhealthy"
3	29	"f"	9	"22:45"	"06:45"	9000	2700	"high"	"healthy"
4	41	"m"	5	"01:00"	"06:30"	4000	2100	"low"	"unhealthy"
5	22	"f"	8	"23:30"	"07:00"	10000	2800	"high"	"medium"

Summary Statistics

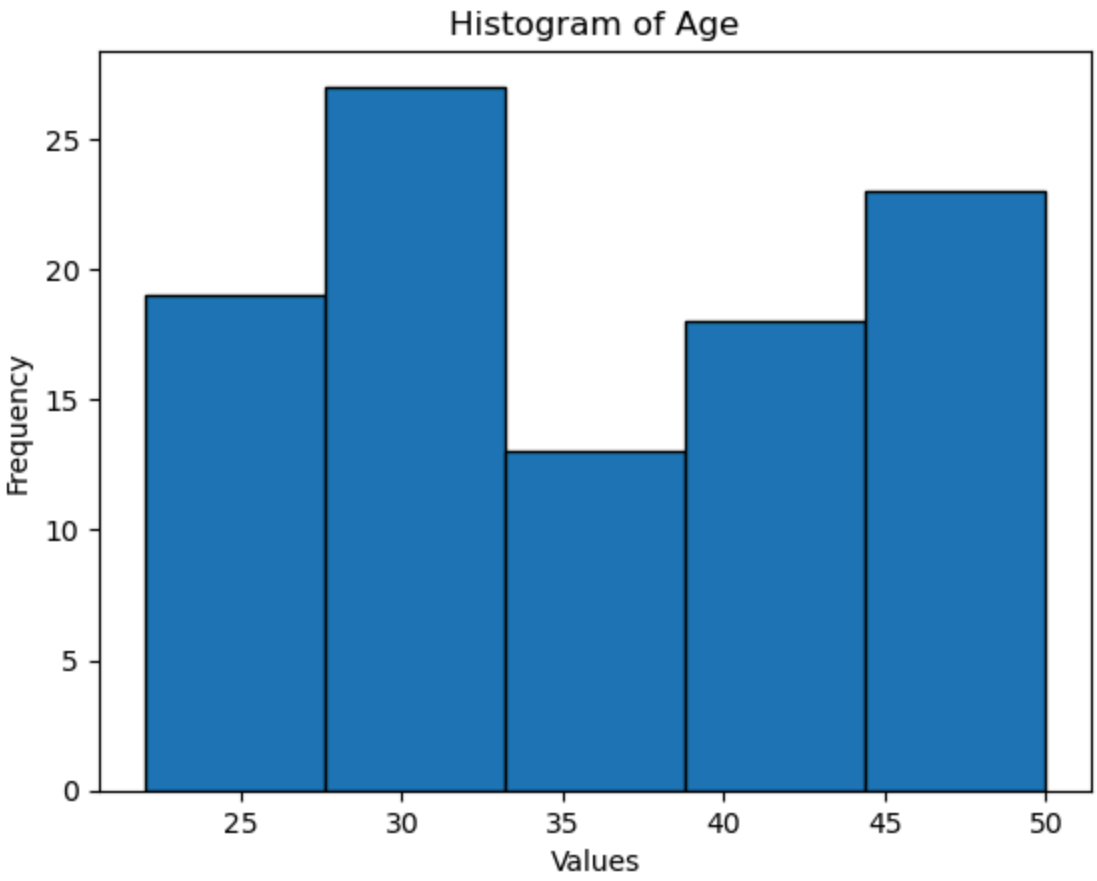
In [ ]:
```
stats = main.get_descriptive_stats(df)
stats
```

Out[ ]: shape: (9, 13)

statistic	User ID	Age	Gender	Sleep Quality	Bedtime	Wake-up Time	Daily Steps
str	f64	f64	str	f64	str	str	f64
"count"	100.0	100.0	"100"	100.0	"100"	"100"	100.0
"null_count"	0.0	0.0	"0"	0.0	"0"	"0"	0.0
"mean"	50.5	36.01	null	7.0	null	null	6830.0
"std"	29.011492	8.454865	null	1.734964	null	null	2498.706736
"min"	1.0	22.0	"f"	4.0	"00:15"	"06:00"	3000.0
"25%"	26.0	29.0	null	6.0	null	null	5000.0
"50%"	51.0	35.0	null	8.0	null	null	7000.0
"75%"	75.0	44.0	null	8.0	null	null	9000.0
"max"	100.0	50.0	"m"	9.0	"23:45"	"07:30"	11000.0

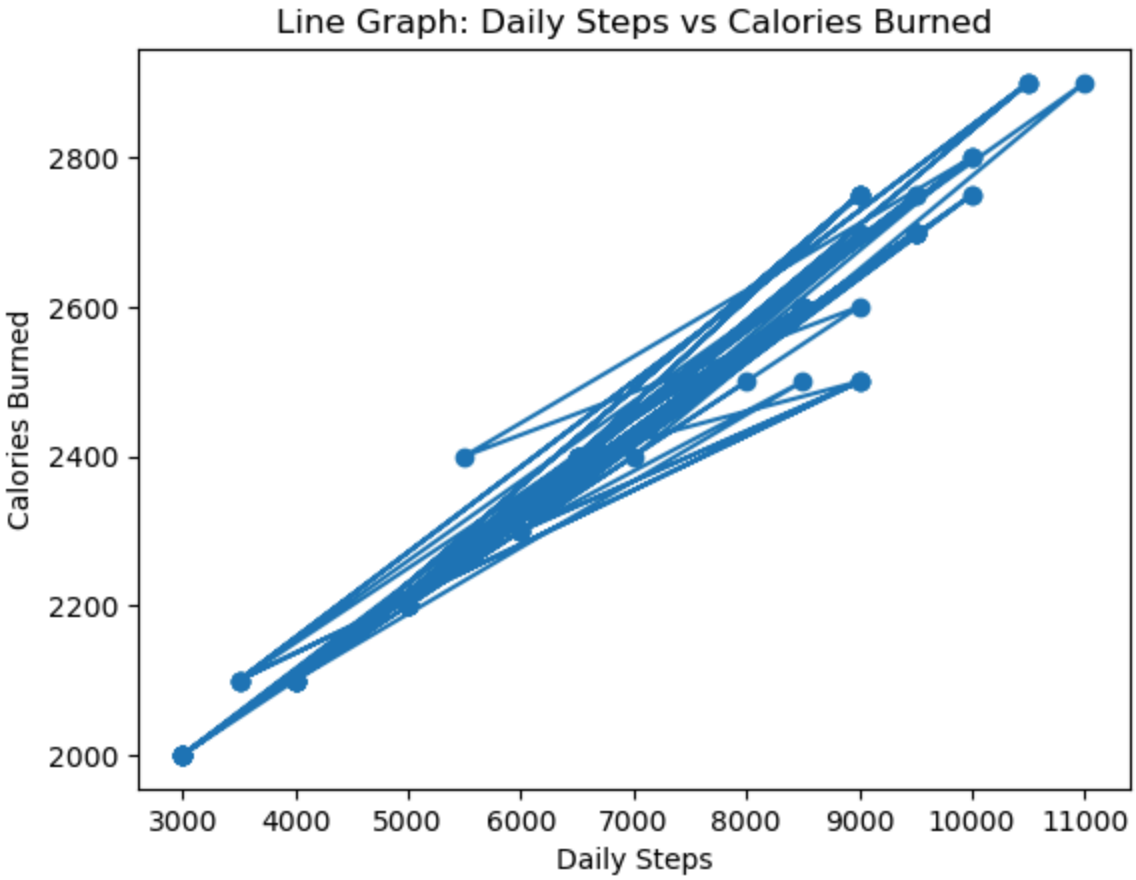
Visualization

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



Out[ ]: True

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



Out[ ]: True

In [ ]:

In [ ]: