```
import pandas as pd
import numpy as np
df = pd.read_csv("Book1.csv")
df
```

	city	temperature	humidity
0	new york	65	56
1	new york	65	66
2	new york	66	60
3	mumbai	75	80
4	mumbai	68	80

```
import statistics
```

```
statistics.stdev(df['humidity'])
```

```
11.171392035015153
```

Finding Frequency

```
count = df['city'].value_counts()
print(count)
```

```
new york    3
mumbai      2
Name: city, dtype: int64
```

```
count = df.groupby(['city']).count()
print(count)
```

```
          temperature  humidity
city
mumbai              2         2
new york            3         3
```

Double-click (or enter) to edit

```
df.mean()
```

```
<ipython-input-32-c61f0c8f89b5>:1: FutureWarning: The default value of numeric_only in DataFrame.mean is deprecated. In a future version
  df.mean()
temperature    67.8
humidity       68.4
dtype: float64
```

```
df.median()
```

```
<ipython-input-33-6d467abf240d>:1: FutureWarning: The default value of numeric_only in DataFrame.median is deprecated. In a future versi
  df.median()
temperature    66.0
humidity       66.0
dtype: float64
```

```
df.mode(numeric_only=True)
```

	temperature	humidity
0	65	80

```
df.describe()
```

	temperature	humidity
count	5.000000	5.000000
mean	67.800000	68.400000
std	4.207137	11.171392
min	65.000000	56.000000
25%	65.000000	60.000000
50%	66.000000	66.000000
75%	68.000000	80.000000
max	75.000000	80.000000

```
temperature_variance = df['temperature'].var()

print(temperature_variance)
```

```
17.7
```

Double-click (or enter) to edit

```
humidity_variance = df['humidity'].var()

print(humidity_variance)
```

```
124.79999999999998
```

```
temperature_stddev = df['temperature'].std()

print(temperature_stddev)
```

```
4.207136793592526
```

```
humidity_stddev = df['humidity'].std()

print(humidity_stddev)
```

```
11.171392035015153
```