

nenormalna_distribucija

August 1, 2025

```
[1]: import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
[2]: data = {
      'Height': [150, 155, 160, 162, 164, 170, 175, 180, 400, 185, 190, 500, 195]
    }
```

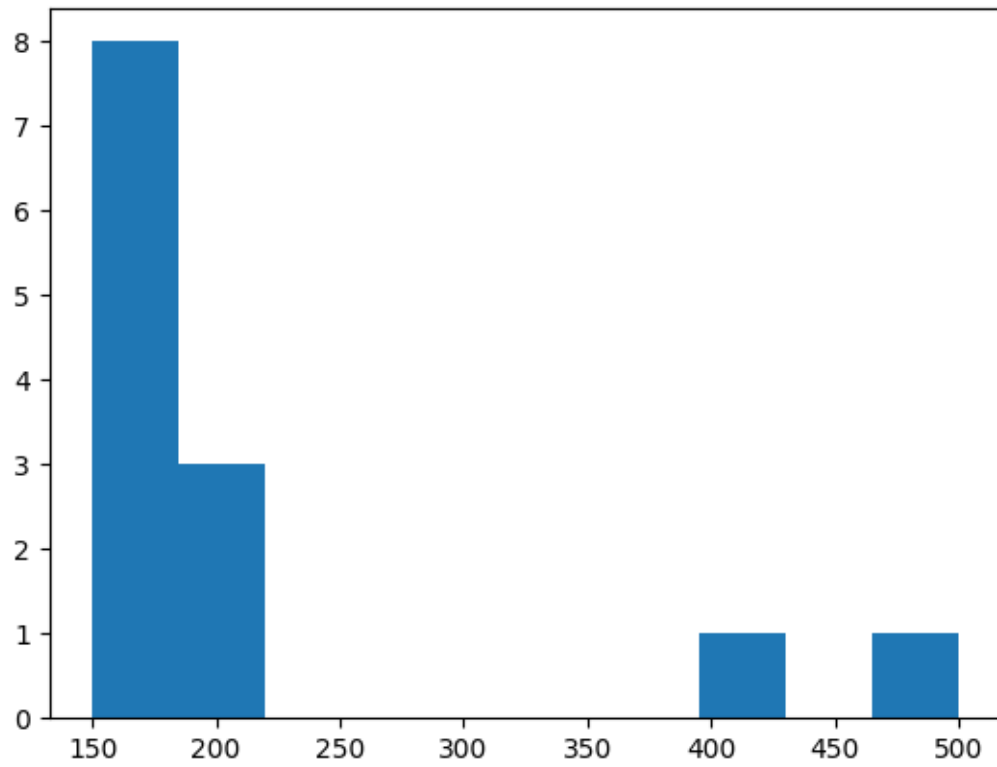
```
[3]: sportasi = pd.DataFrame(data)
```

```
[4]: sportasi
```

```
[4]:      Height
0      150
1      155
2      160
3      162
4      164
5      170
6      175
7      180
8      400
9      185
10     190
11     500
12     195
```

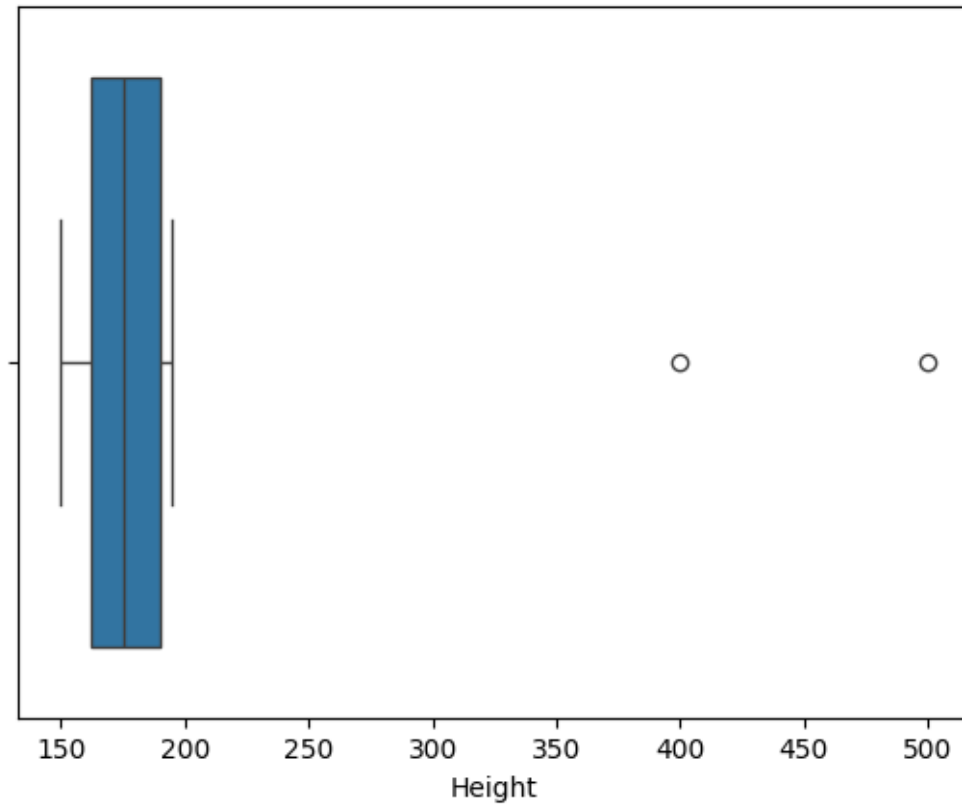
```
[5]: plt.hist (sportasi.Height)
```

```
[5]: (array([8., 3., 0., 0., 0., 0., 0., 1., 0., 1.]),
      array([150., 185., 220., 255., 290., 325., 360., 395., 430., 465., 500.]),
      <BarContainer object of 10 artists>)
```



```
[6]: sns.boxplot (x = sportasi["Height"])
```

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[6]: <Axes: xlabel='Height'>
```



```
[7]: # Calculate Q1 (25th percentile) and Q3 (75th percentile)
Q1 = sportasi['Height'].quantile(0.25)
Q3 = sportasi['Height'].quantile(0.75)
```

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[8]: IQR = Q3 - Q1
```

```
[9]: # Determine the bounds for outliers
lower_bound = Q1 - 1.5 * IQR
upper_bound = Q3 + 1.5 * IQR
```

```
[10]: outliers = sportasi[(sportasi['Height'] < lower_bound) | (sportasi['Height'] > upper_bound)]['Height'].tolist()
```