

Statistika

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May 14, 2024

Contents

0.1	Uvod	4
0.2	Opisna statistika in vizualizacija	5
0.3	Inferenčna statistika	6

0.1 Uvod

Statistika je veda, ki...

Podatki in informacije

Enote opazovanja in Spremenljivke

Theory:

Tipi spremenljivk glede na vrednost in glede na mersko lestvico

Python Example:

```
import numpy as np
import matplotlib.pyplot as plt

# Generating random data
data = np.random.normal(0, 1, 1000)

# Plotting the data
plt.hist(data, bins=30)
plt.title("Histogram of Randomly Generated Data")
plt.show()
```

0.2 Opisna statistika in vizualizacija

Theory:

Data visualization is the graphic representation of data. It involves producing images that communicate relationships among the represented data to viewers of the images. Visualization makes it easier to detect patterns, trends, and outliers in groups of data.

Python Example:

```
import seaborn as sns
import pandas as pd

# Load an example dataset
data = sns.load_dataset("iris")

# Create a pairplot
sns.pairplot(data, hue="species")
plt.show()
```

0.3 Inferenčna statistika