## nal1

## August 17, 2022

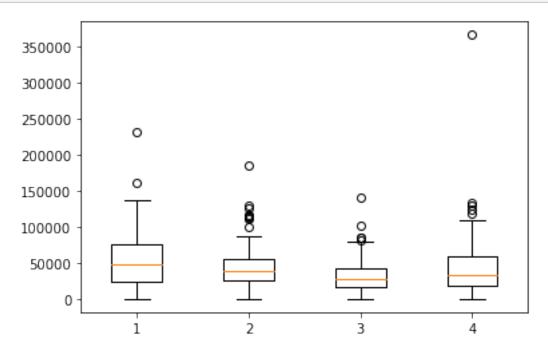
```
import numpy as np
import matplotlib.pyplot as plt
import csv
import random

[]: with open('../data/Kibergrad.csv', 'r') as f:
    f.readline()
    reader = csv.reader(f)
    kibergrad = list(tuple(map(int, line)) for line in reader)

kibergrad_by_square = tuple(list(filter(lambda x: x[4] == i+1, kibergrad)) for_u
in range(4))

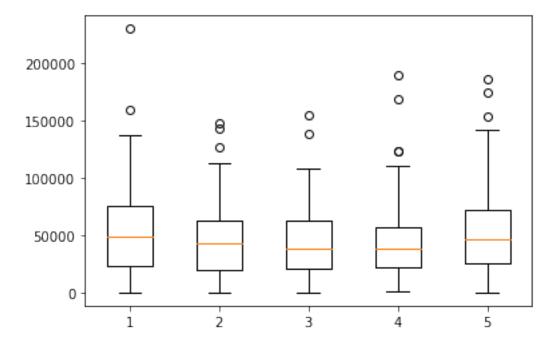
[]: sample = tuple(random.choices(population=sq, k=100) for sq in_u
kibergrad_by_square)

[]: plt.boxplot(x=tuple(list(e[3] for e in sq) for sq in sample))
plt.show()
```



a) Sicer vidimo neke manjše razlike (dohodki so malce nižji v južni četrti in malce višji v severni), ampak menim, da četrti ne vplivajo bistveno na dohodek.

```
[]: plt.boxplot(x=tuple(list(e[3] for e in sq) for sq in sample2))
plt.show()
```



b) Graf zgleda približno kot zgornji, kar še bolj utemelji moje mnenje, da četrti ne vplivajo na dohodek.

explained variance: 8688785.712368913, residual variance: 1027977659.8502393 total variance: 1026385669.8903824, explained+residual var: 1036666445.5626082

c) Kot vidimo, četrti res ne vplivajo bistveno na dohodek.