

vizualizacija podataka

šta je to podatak ?

tipovi podataka

- nominalni
- numerički
 - diskretni
 - kontinualni

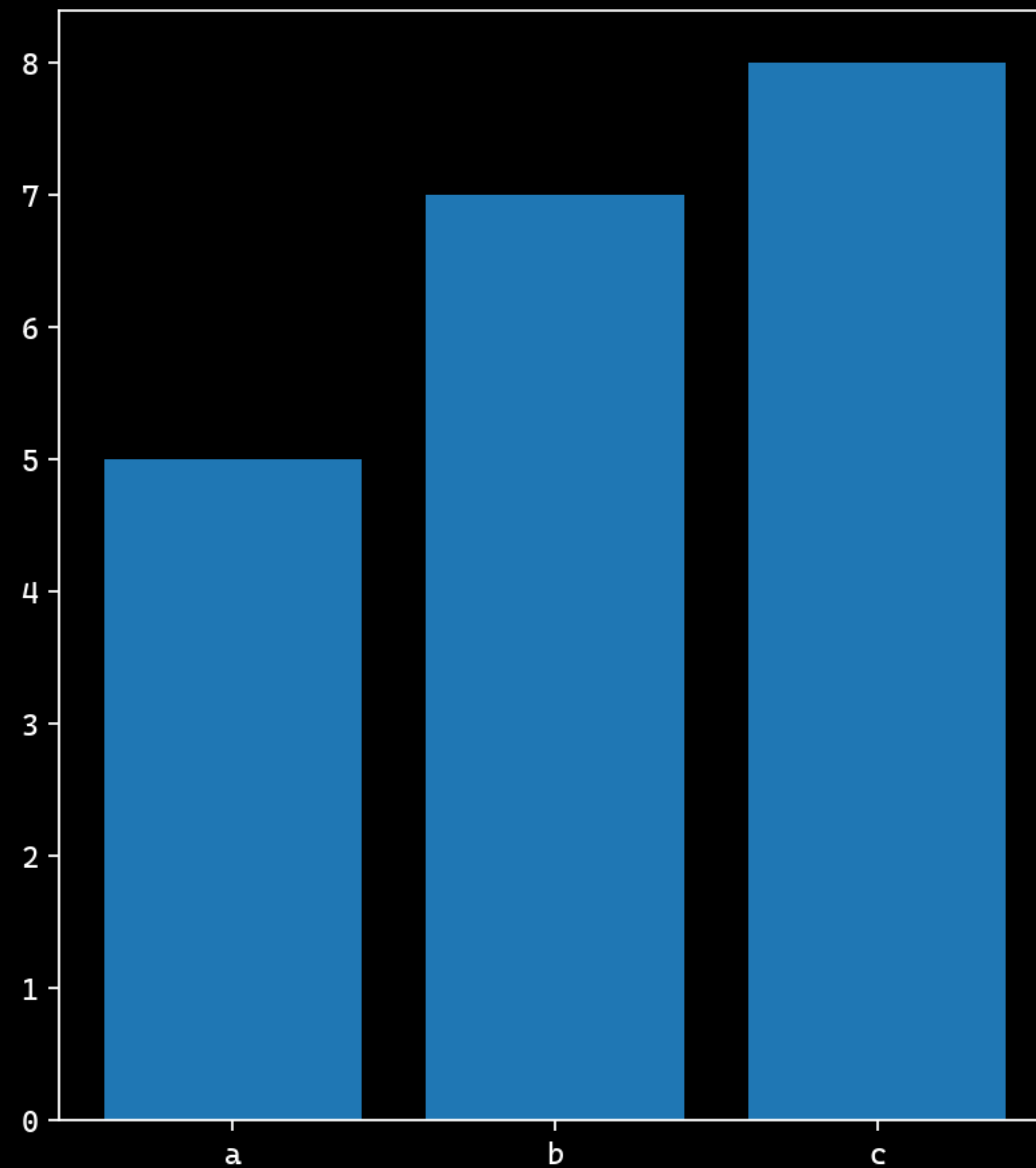
šta je vizualizacija ?

tipovi grafika

- dvodimenzionalni
- trodimenzionalni
- n-dimenzionalni ?

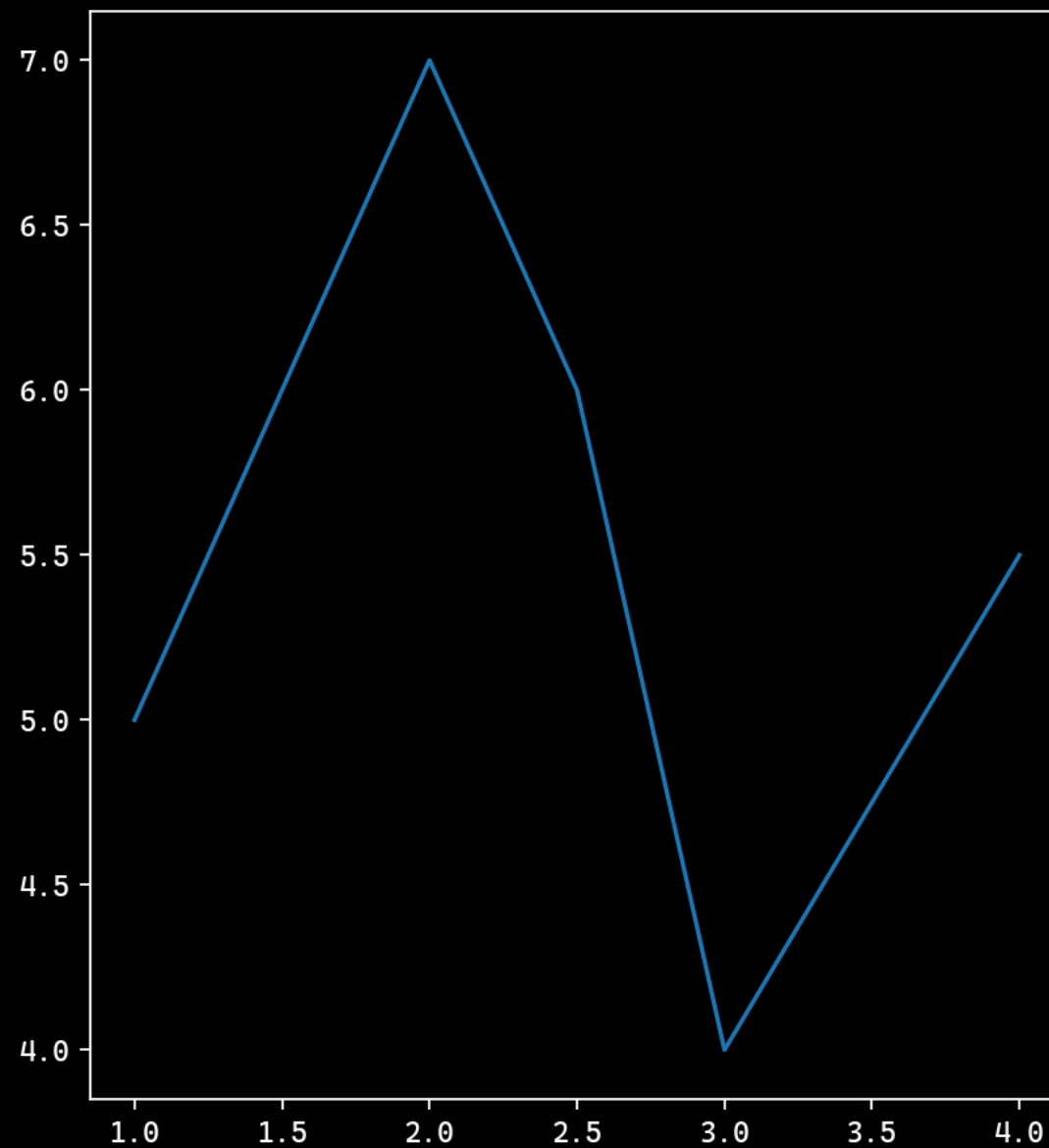
bar plot

- nom x kont



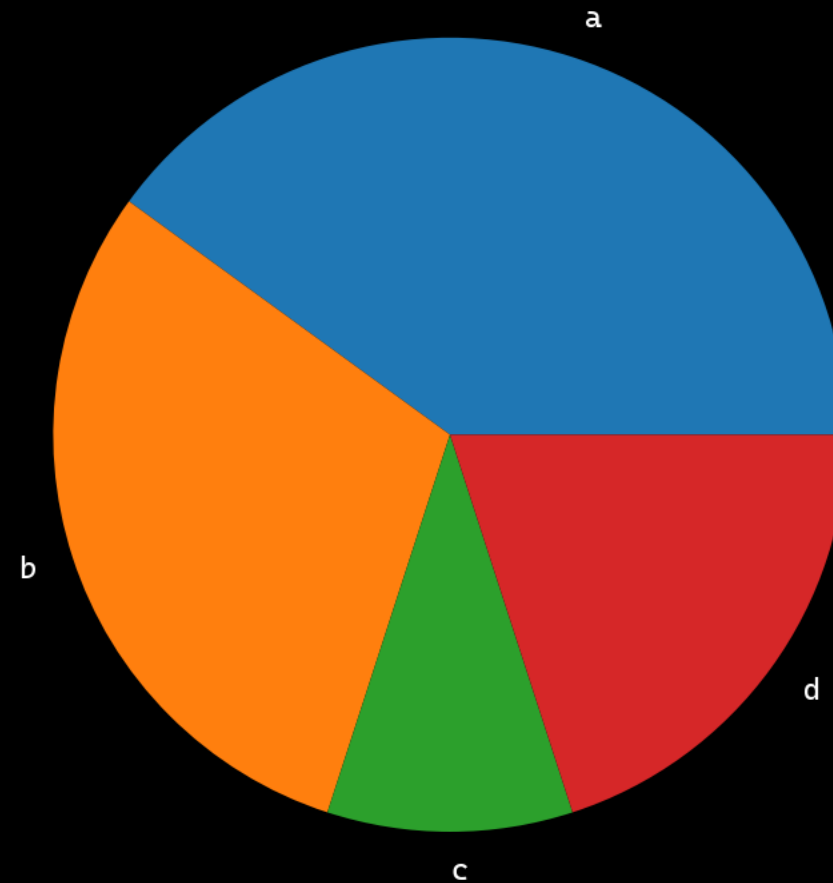
line plot

- `dis` → `kont`
- `kont` → `kont`



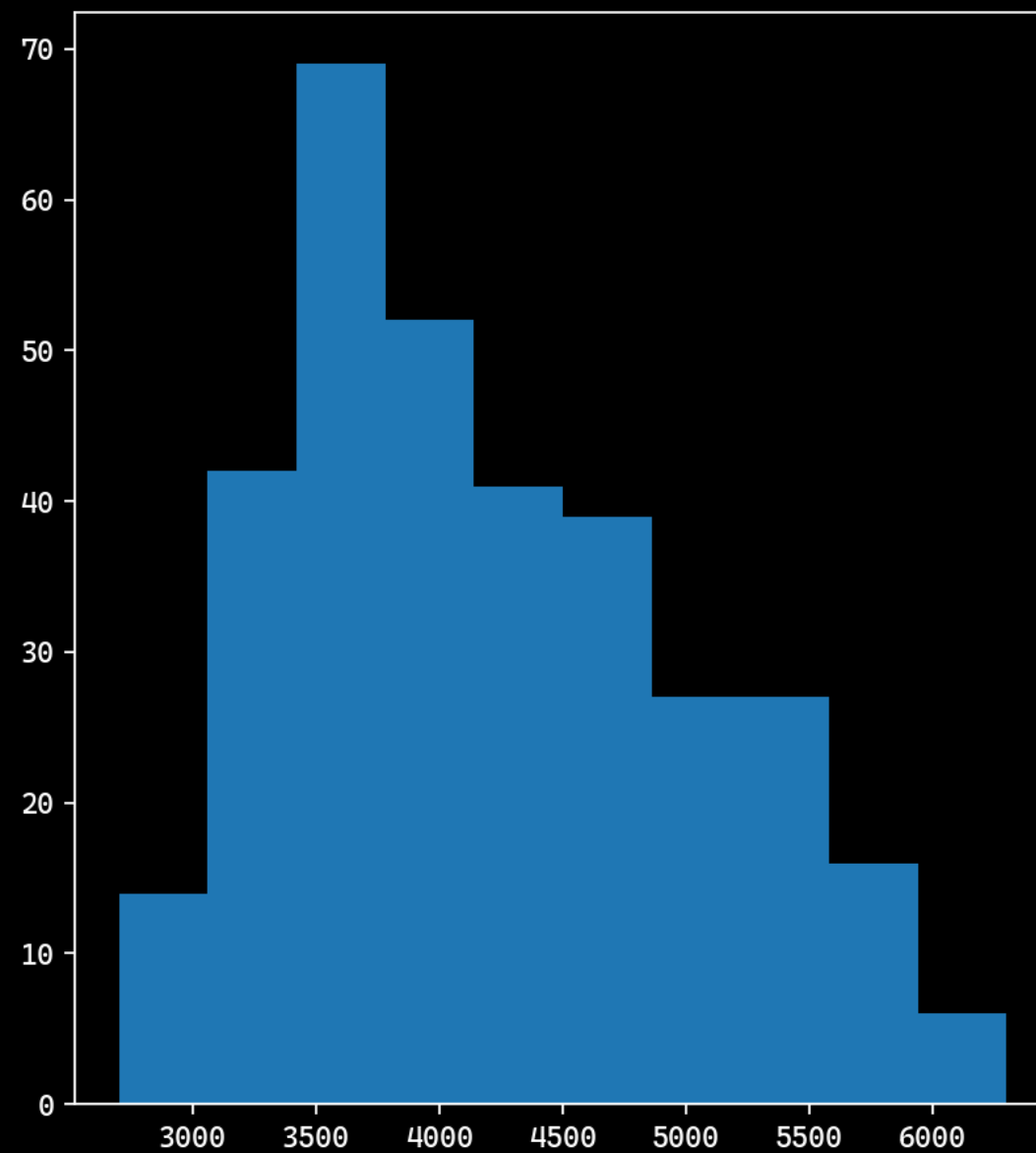
pie plot

- nikad



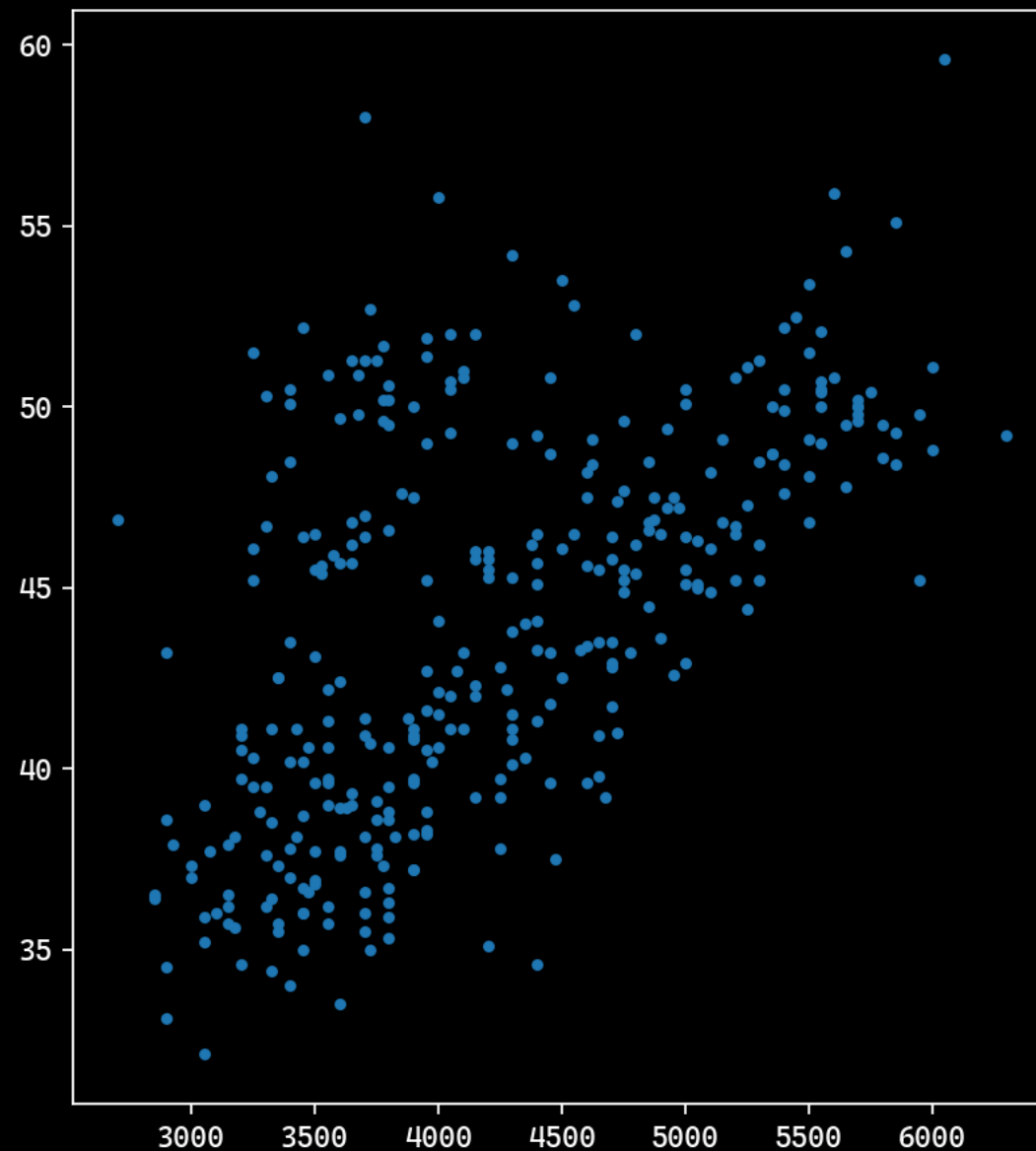
histogram

- [kont]



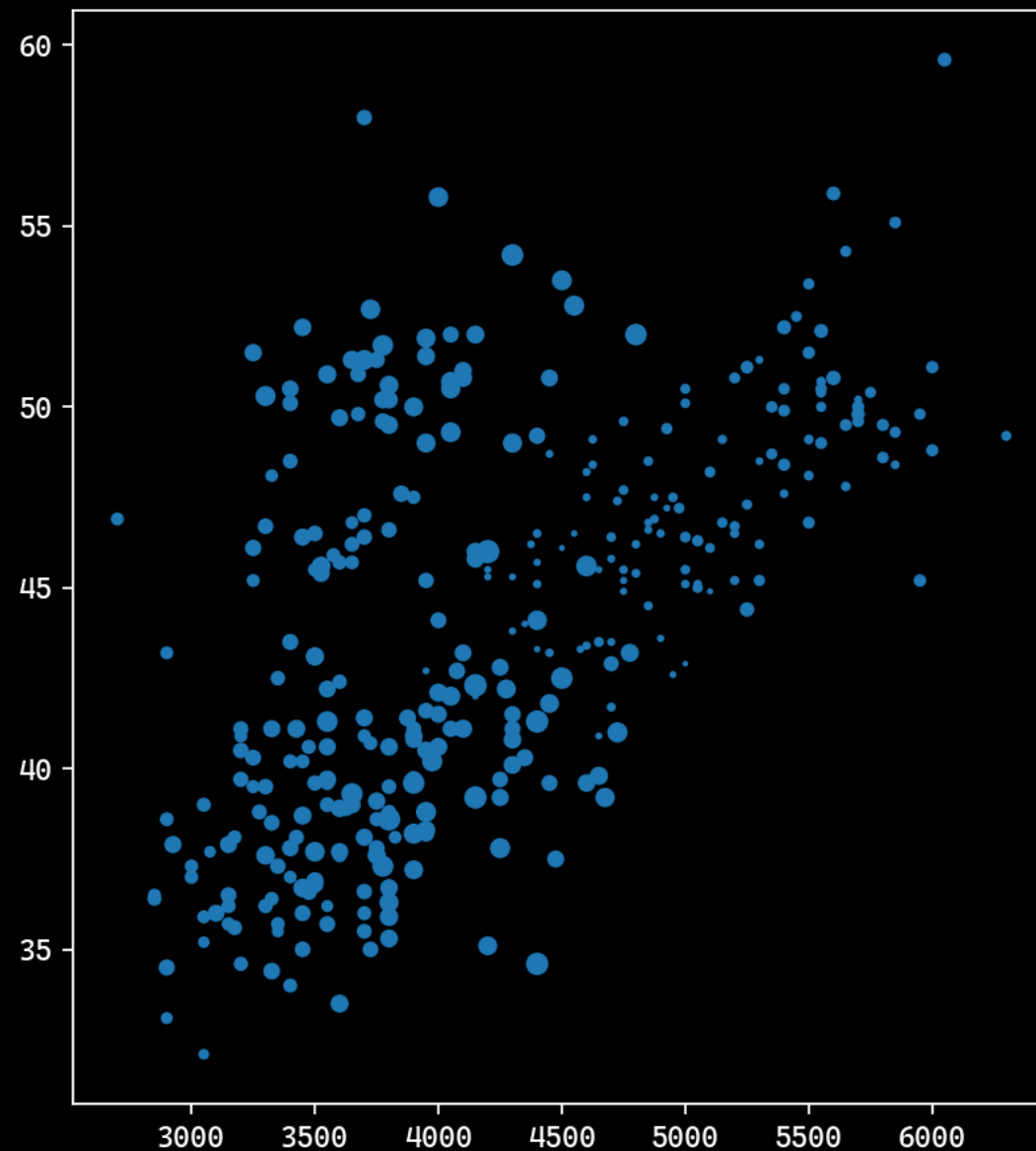
scatter plot

- [kont x kont]



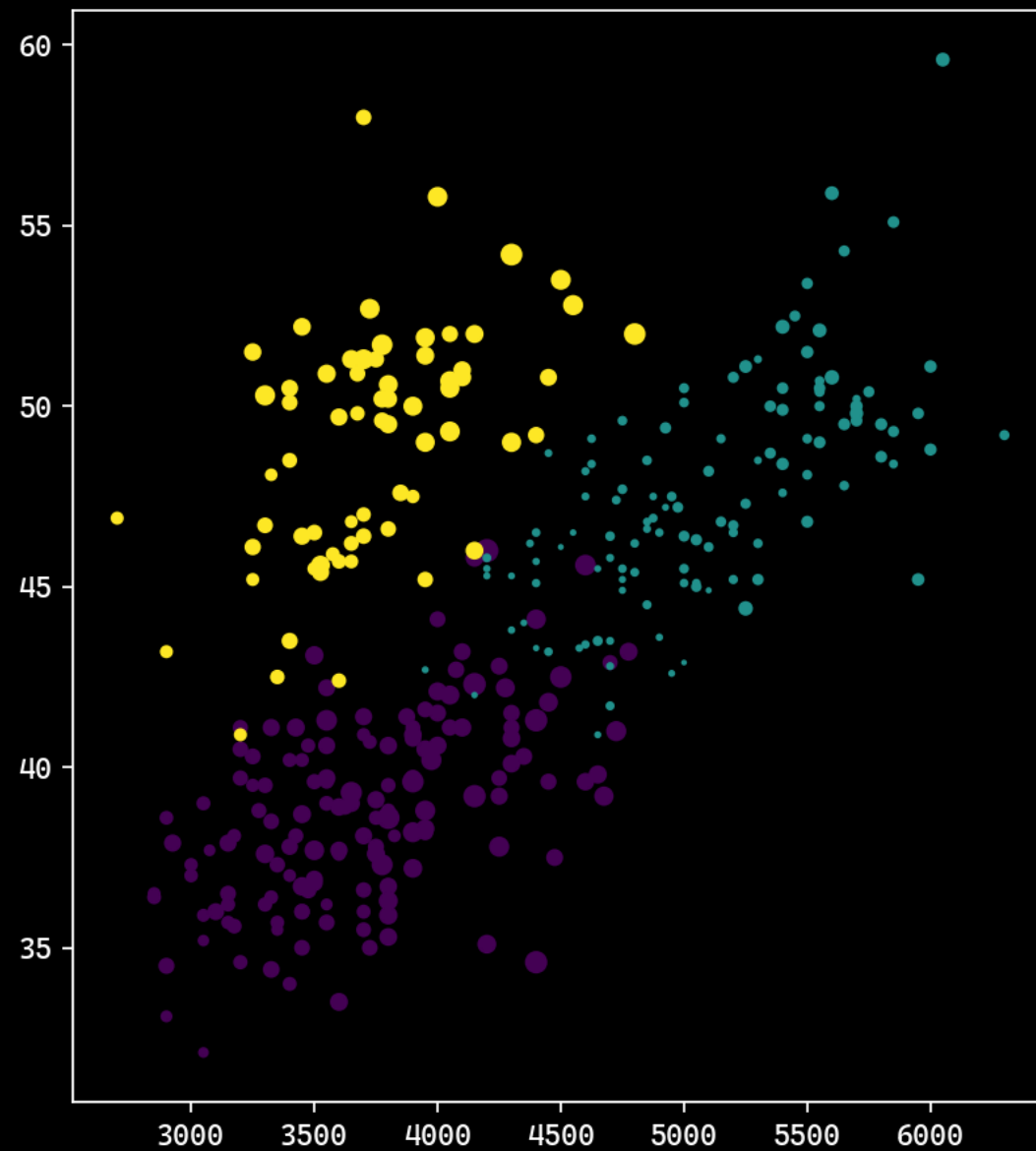
scatter plot ++

- [kont x kont x kont]



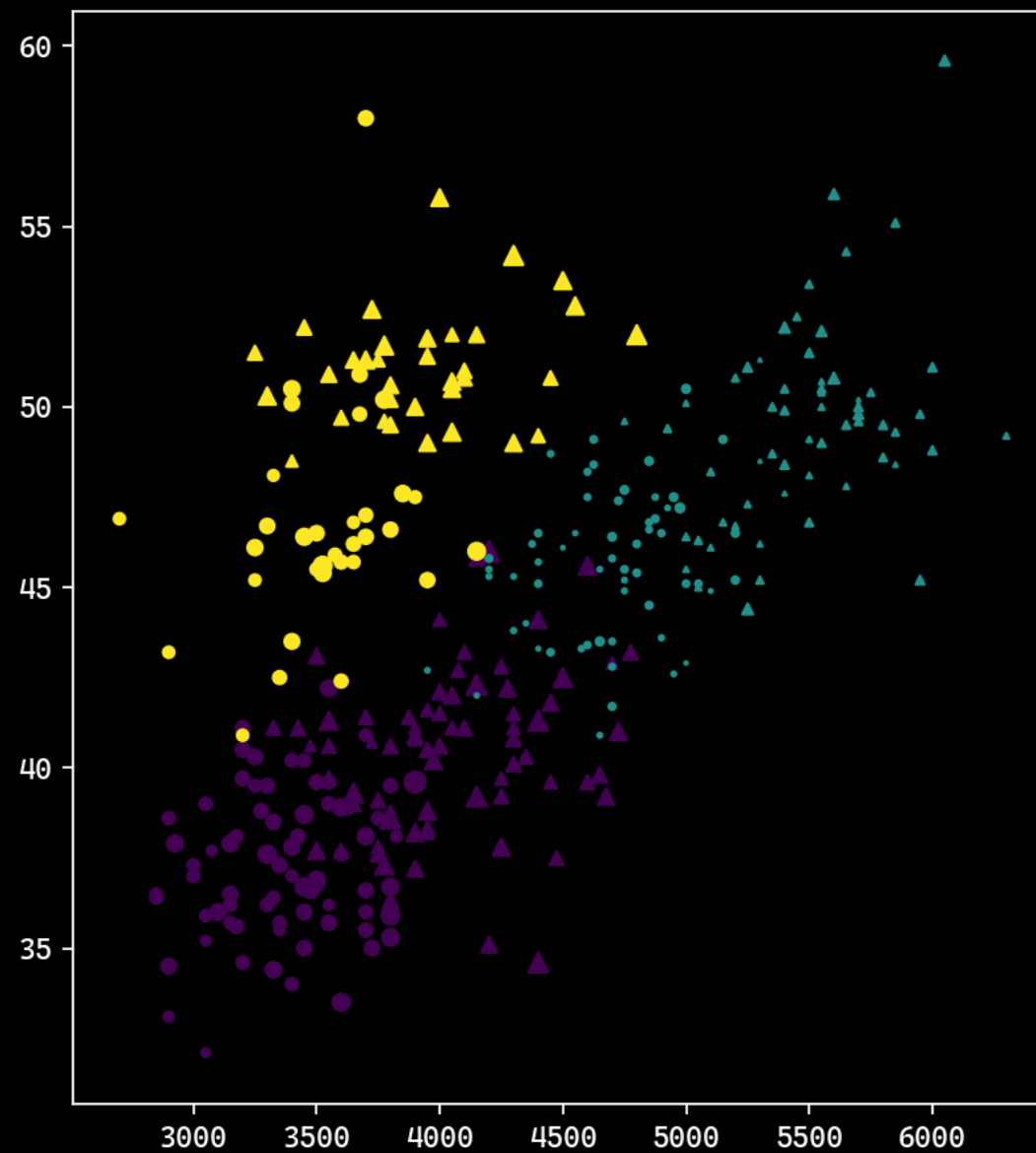
scatter plot ++

• ...



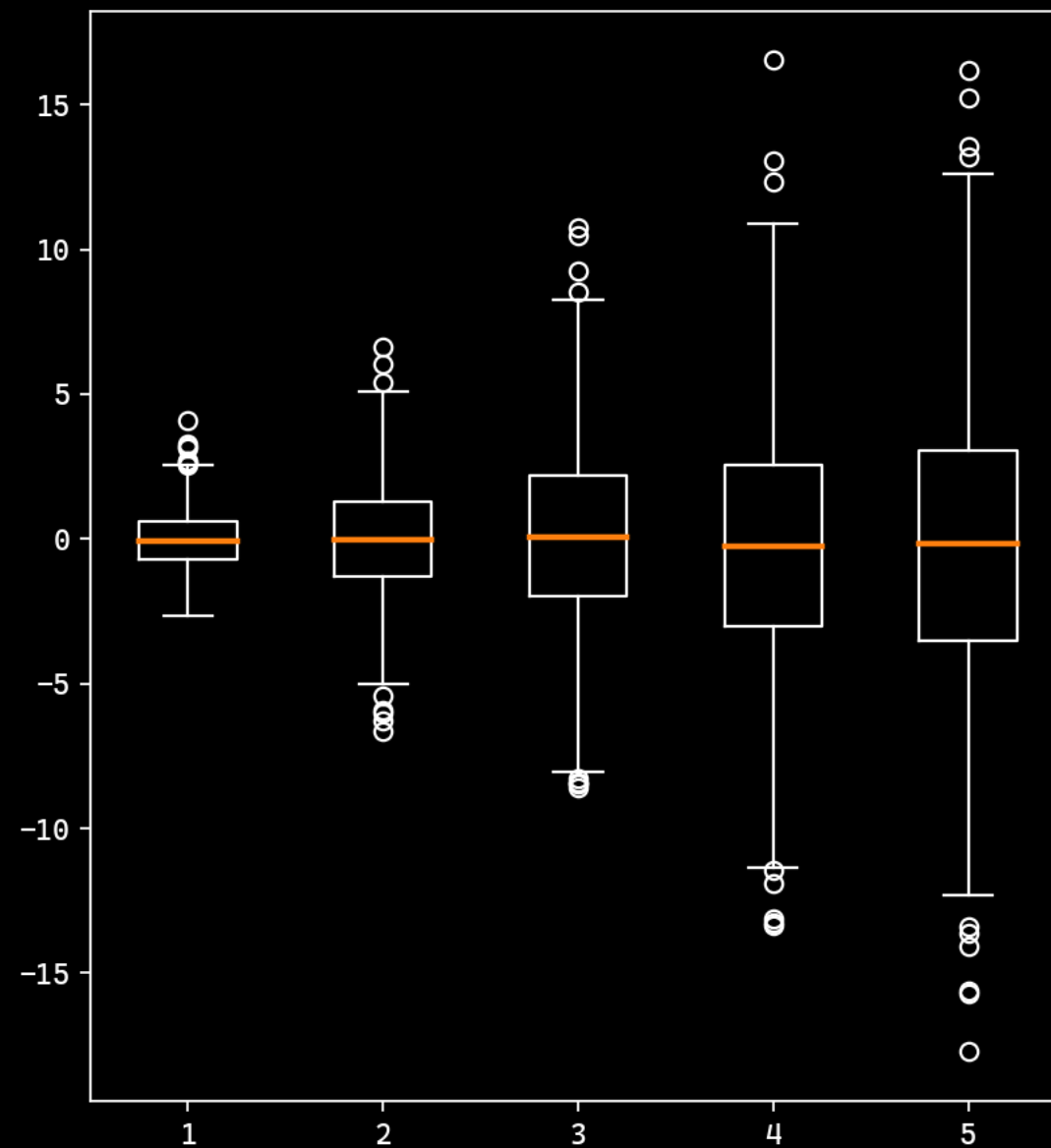
scatter plot ++++

• ...

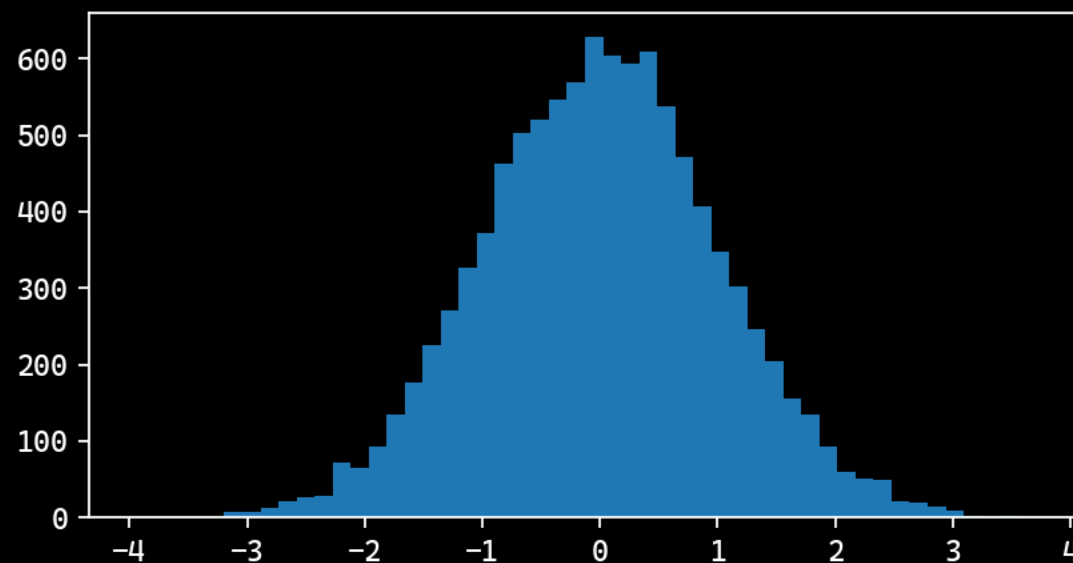
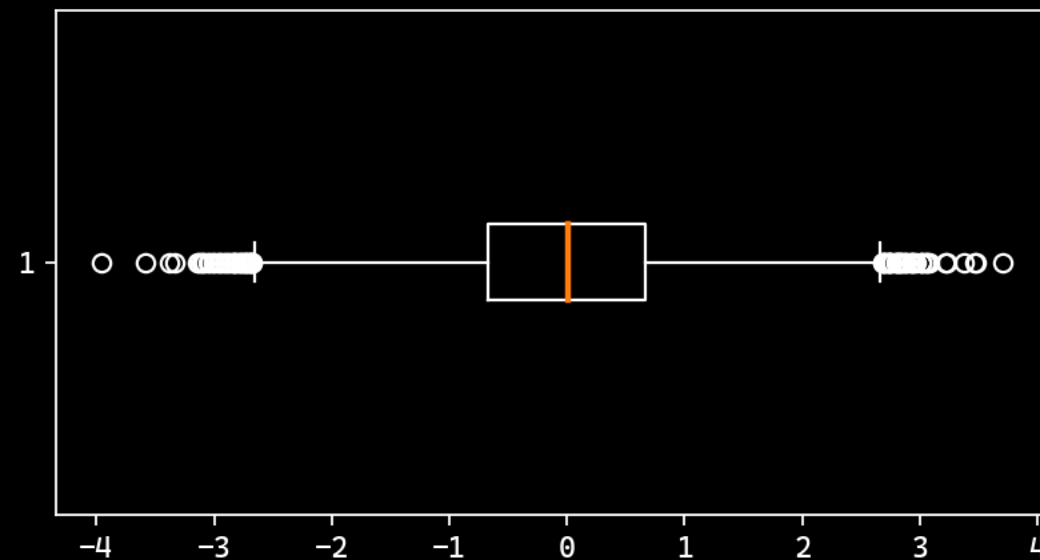


box plot

- [kont]
- bitna raspodela

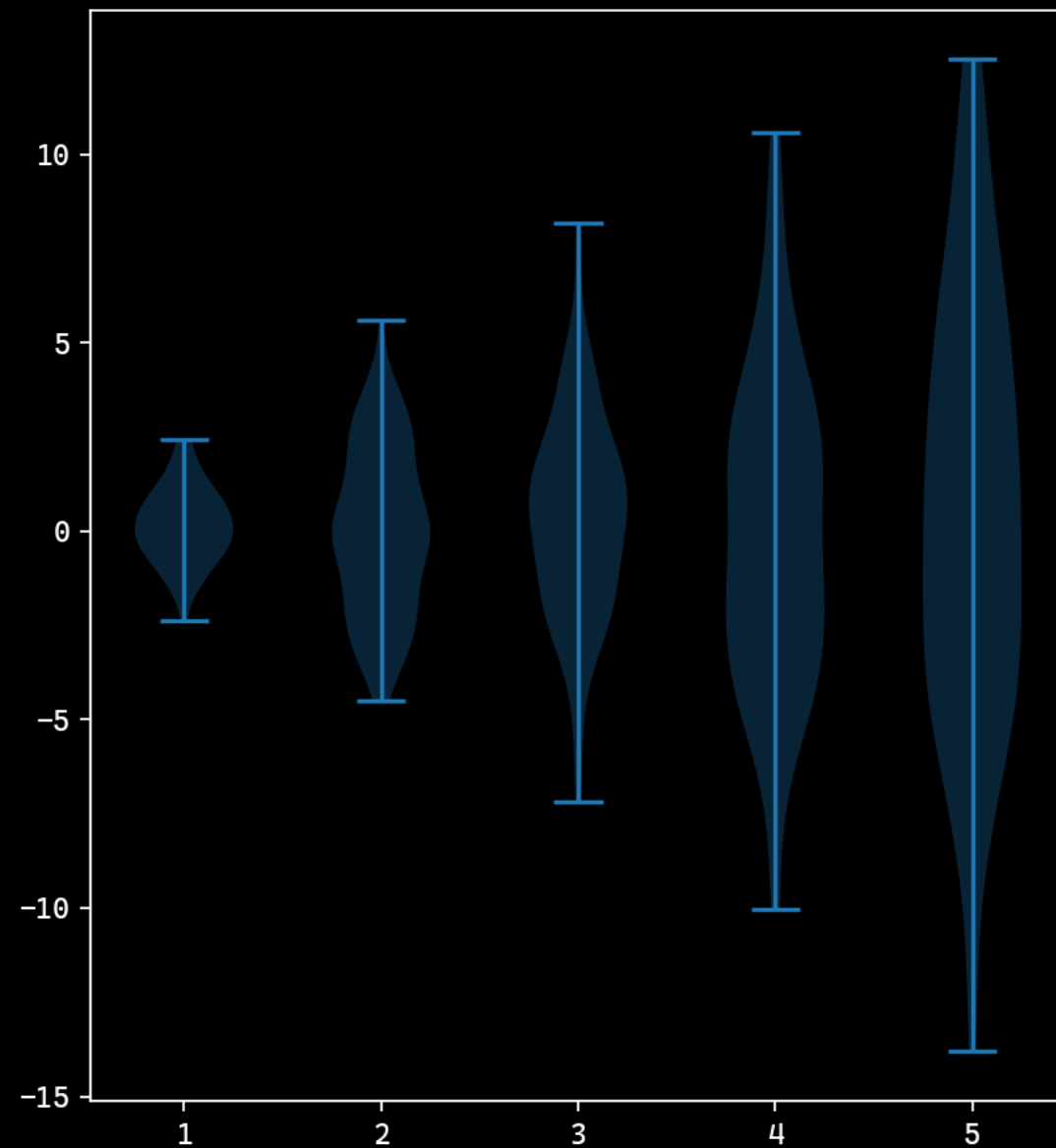


box plot – explained



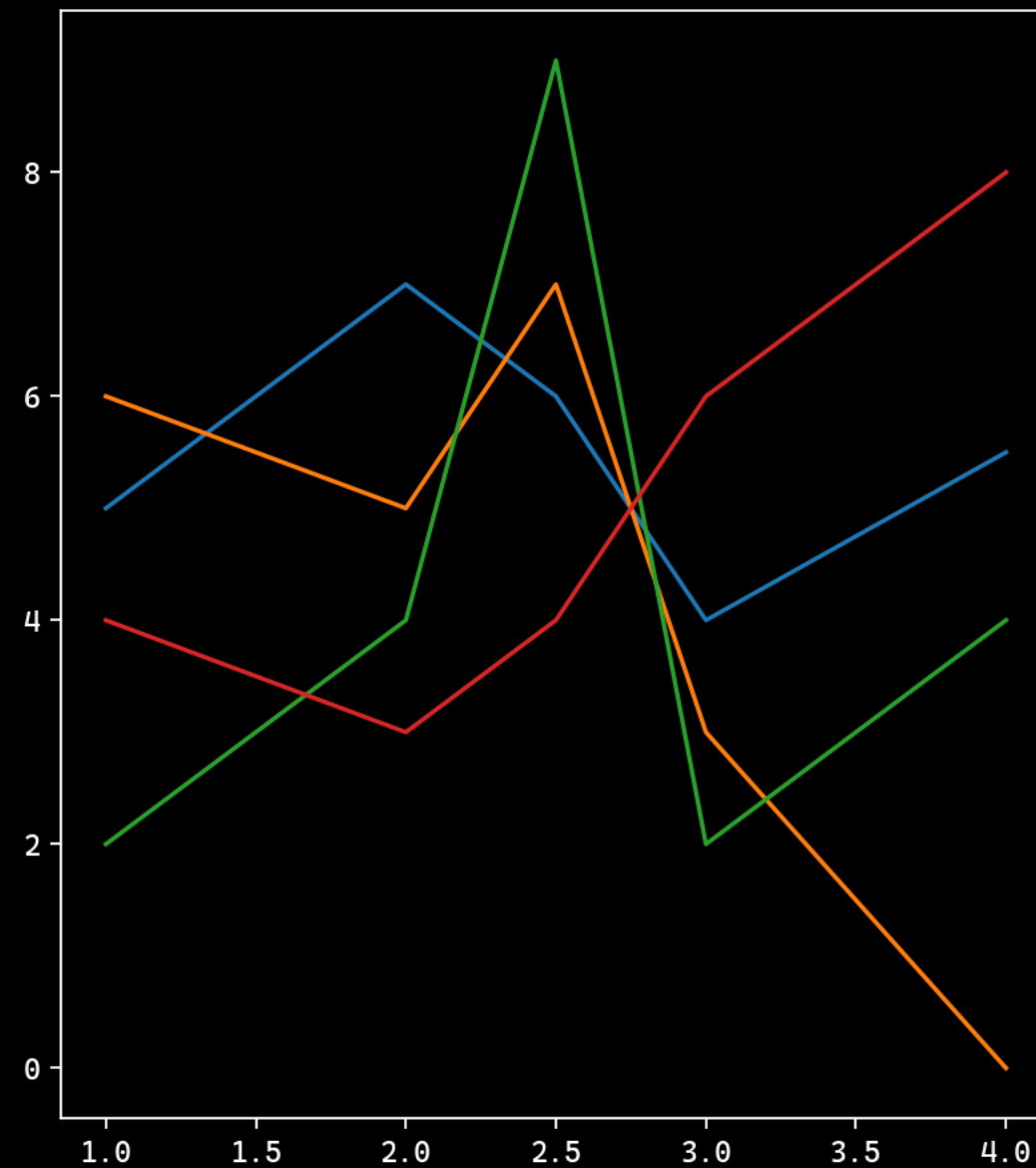
violin plot

- [kont]
- *bitna* raspodela

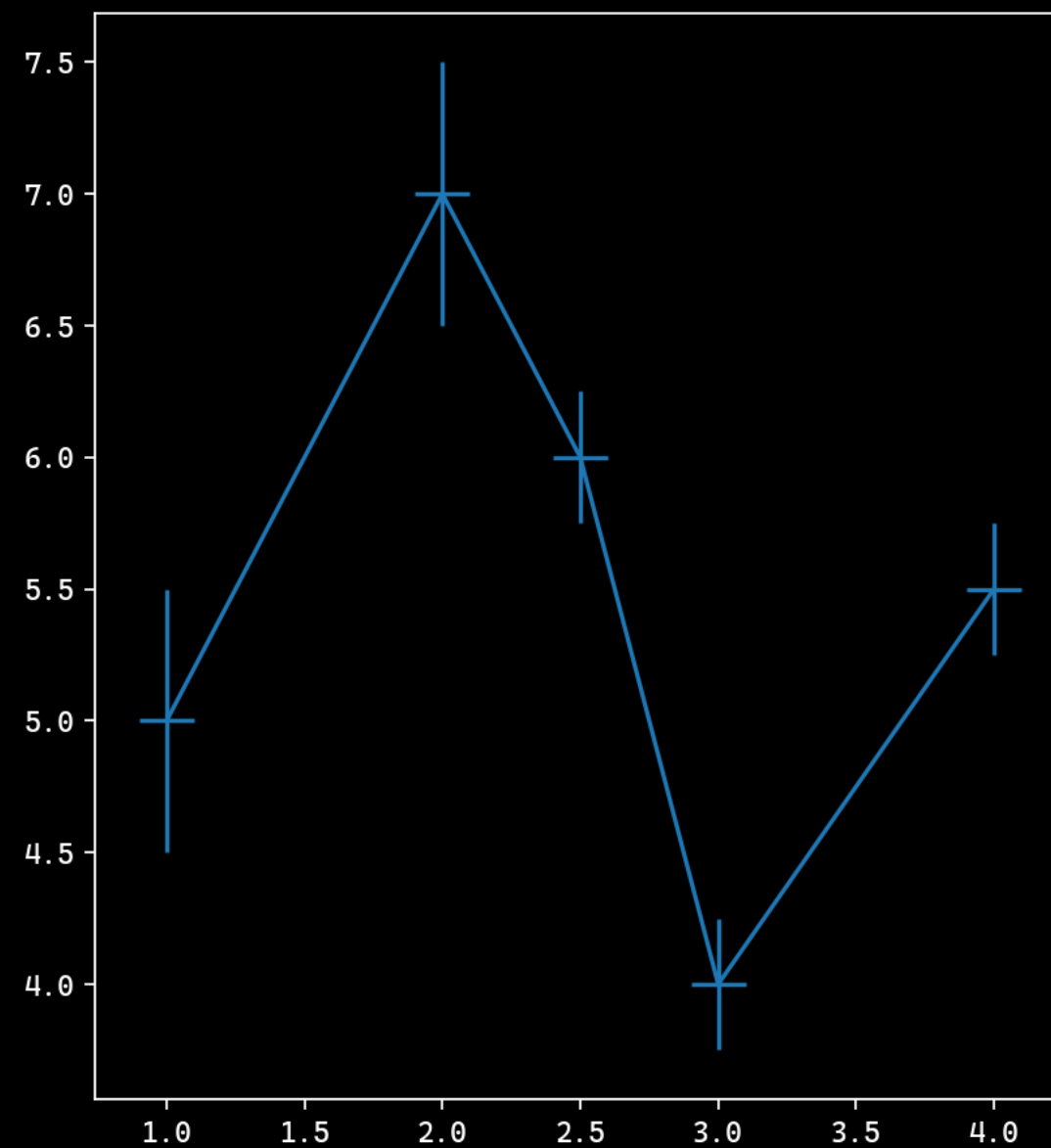


serijski podaci

- nom → ...
- nom x ...

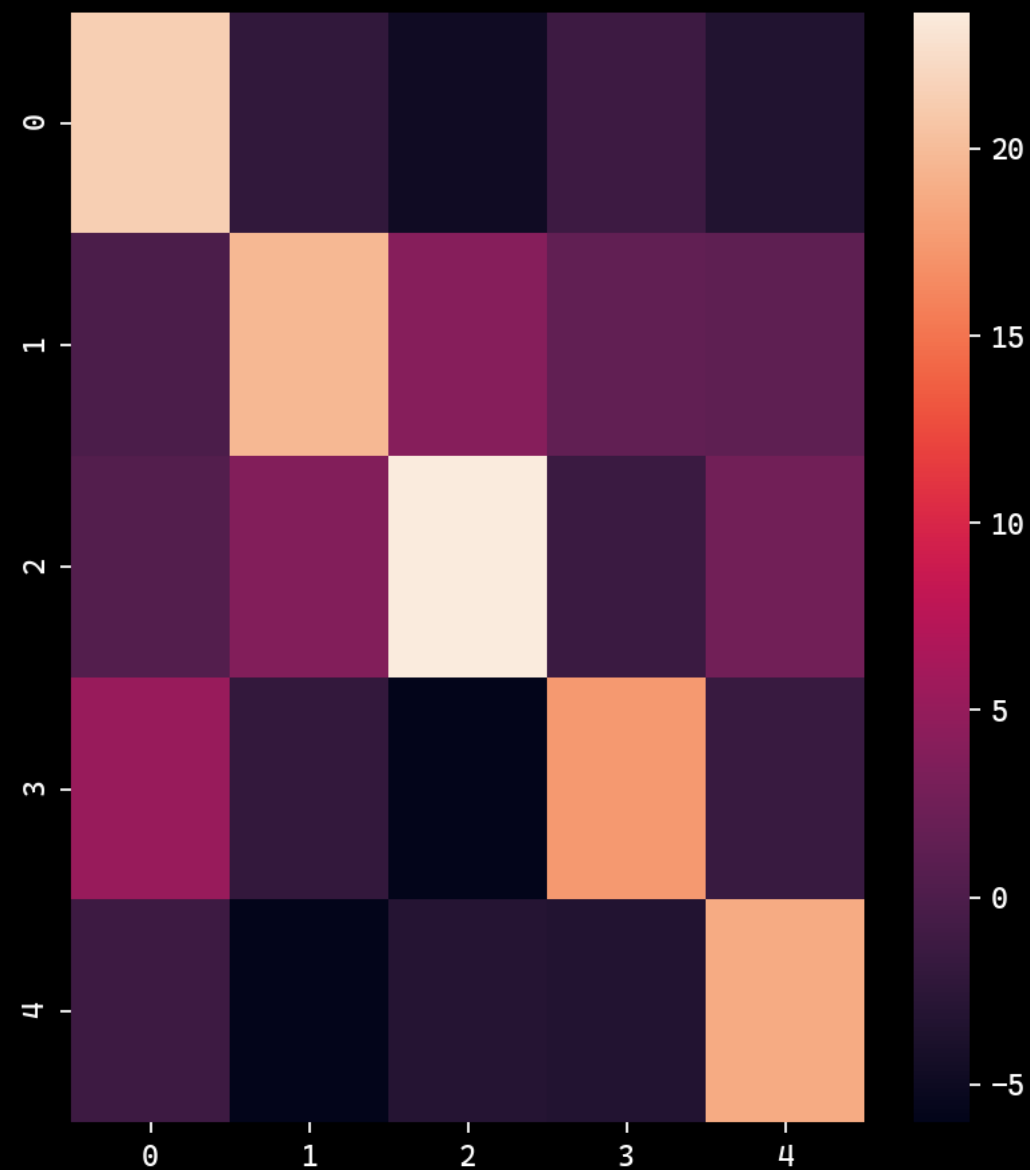


podaci sa greškama



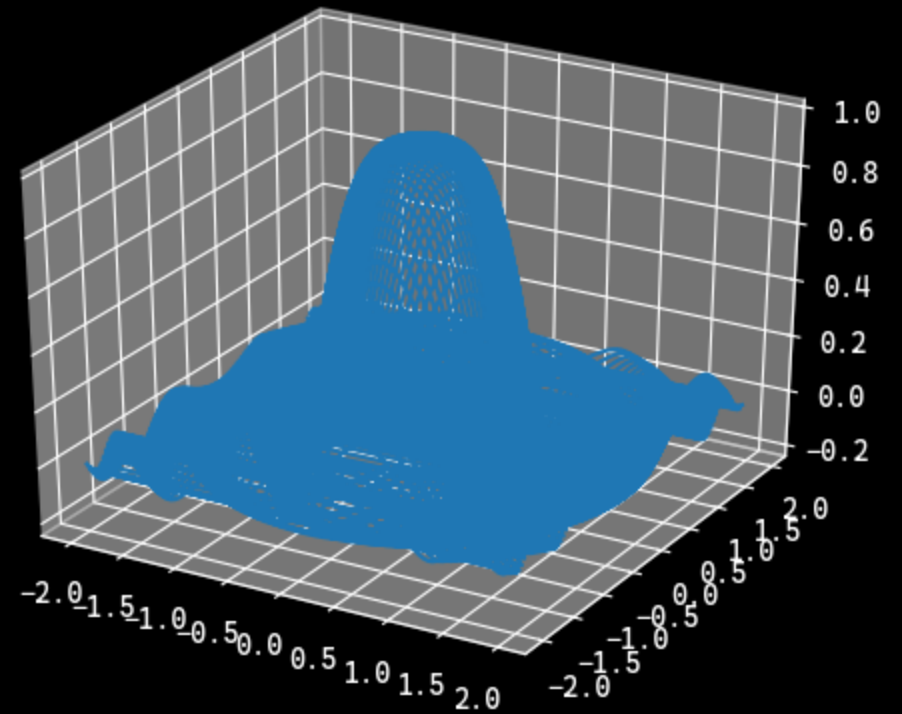
heatmap

- (nom x nom) → kont



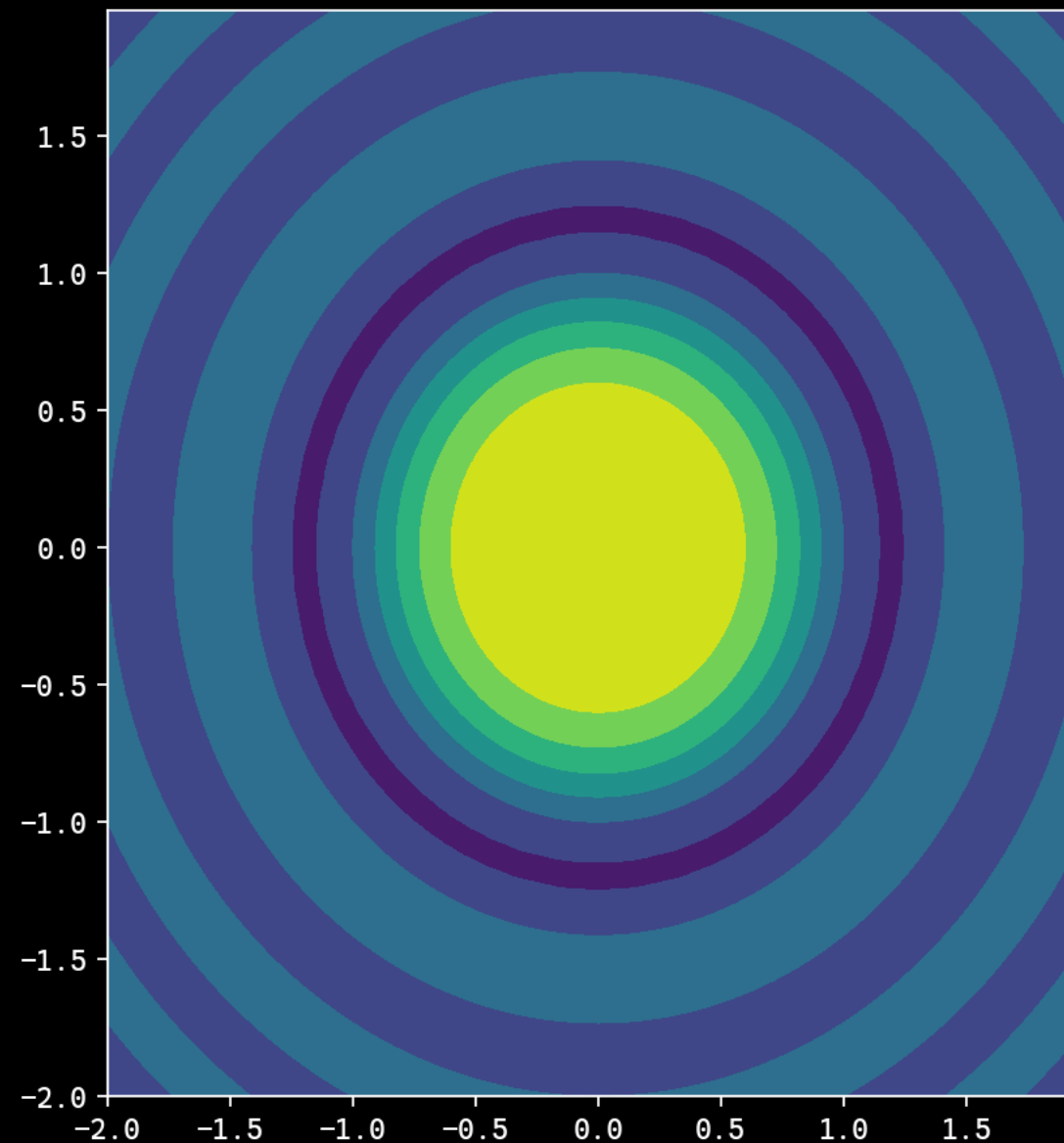
3d plot

- nikad

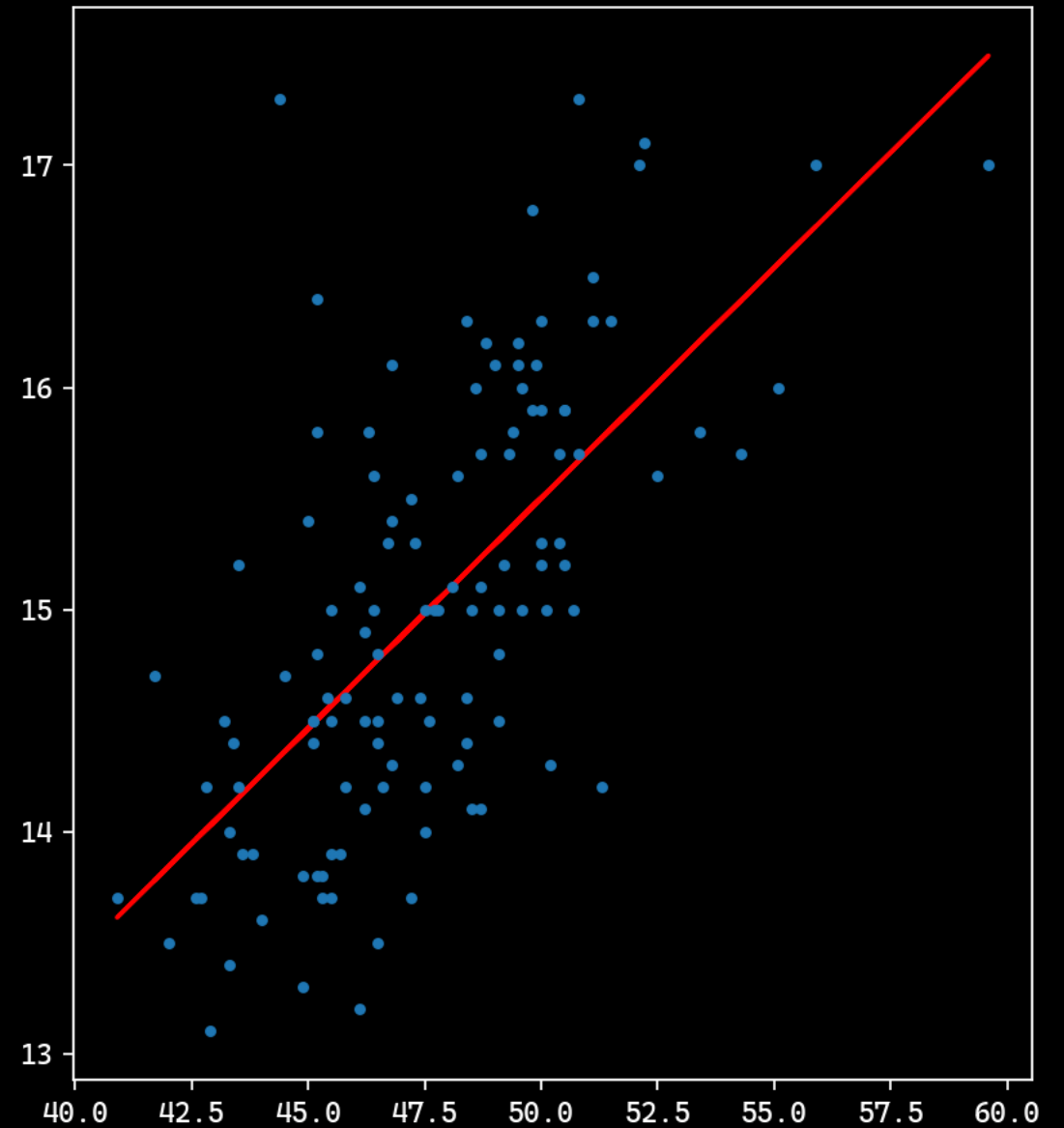


contour plot

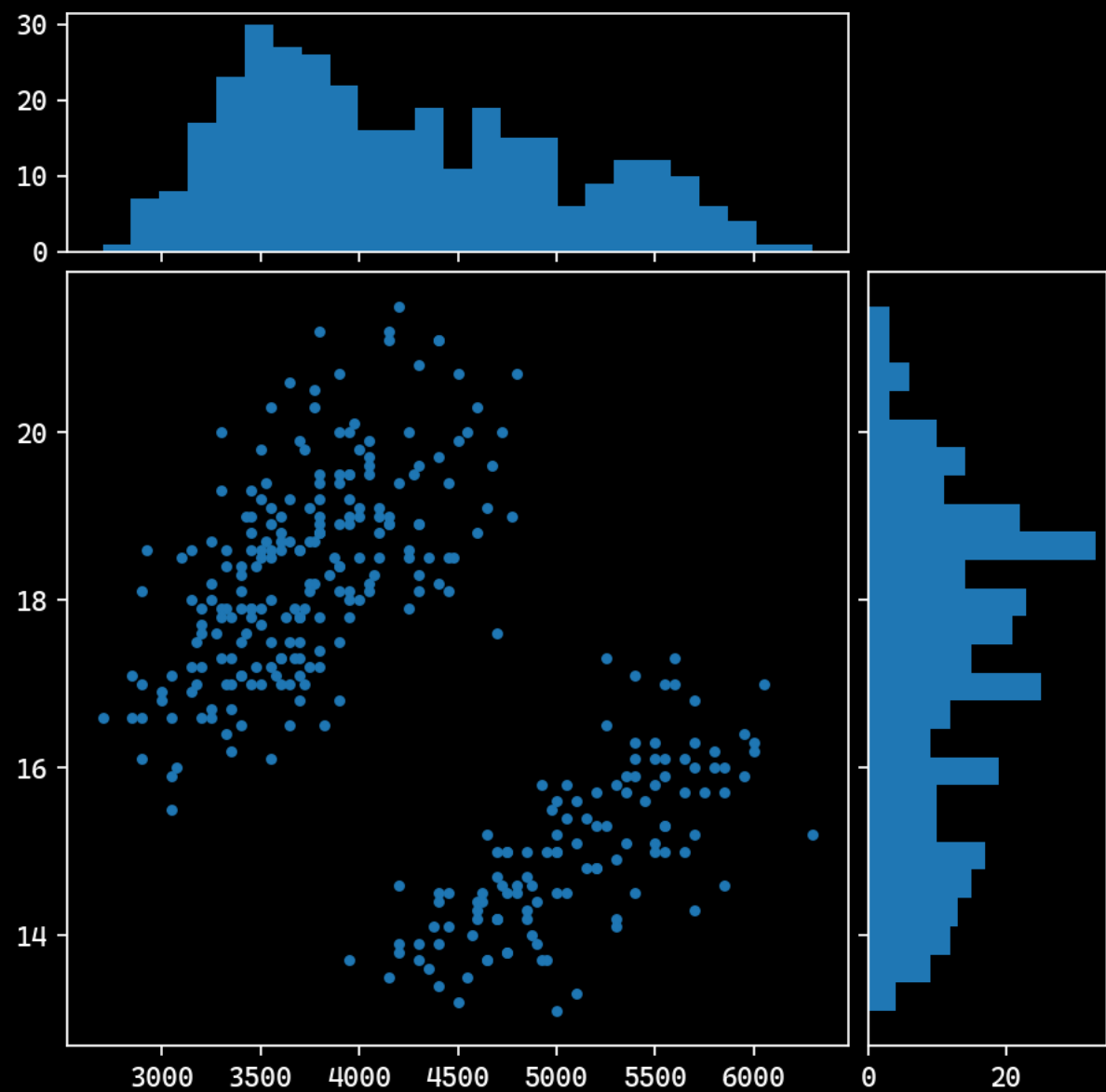
- (kont x kont) \rightarrow kont

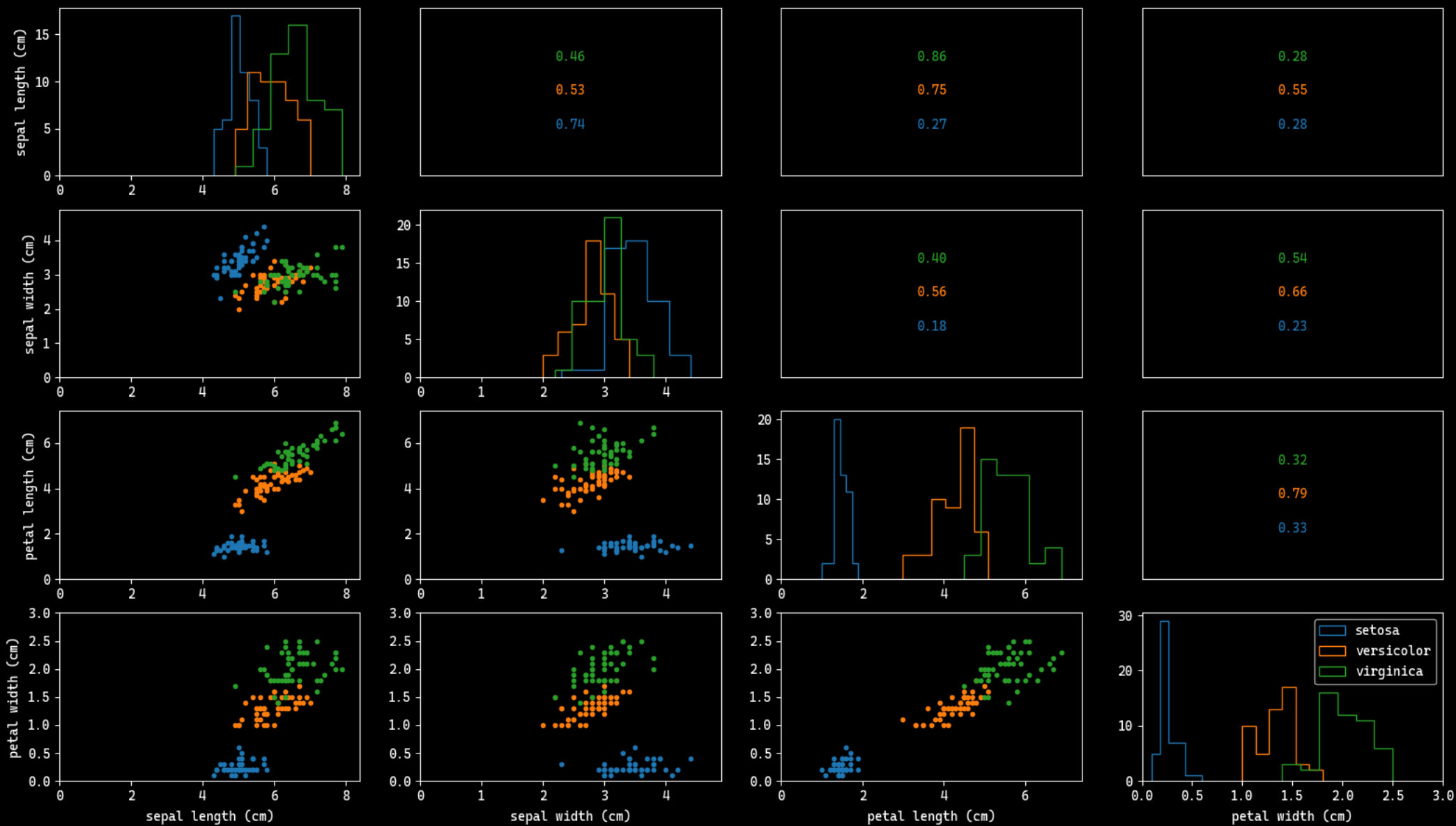


linearni fit



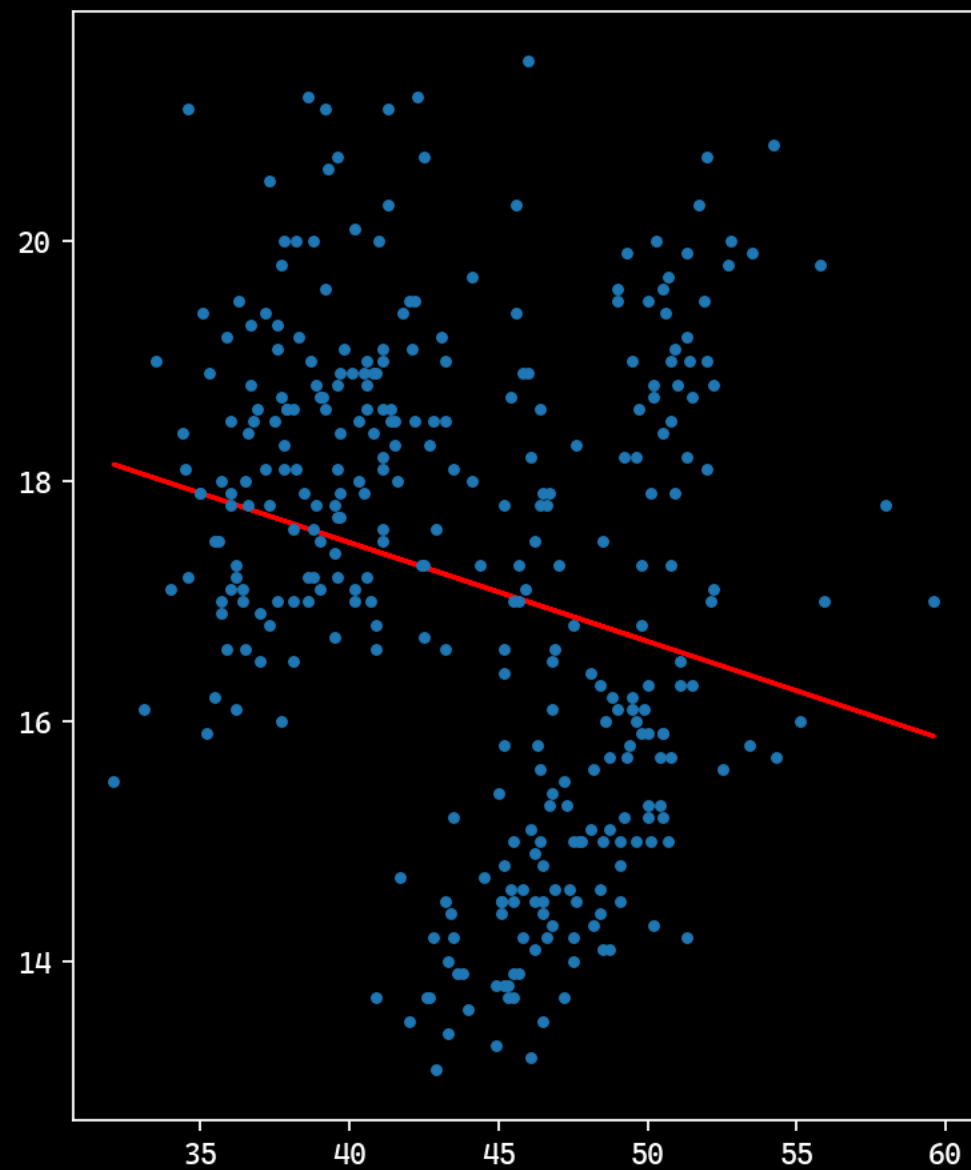
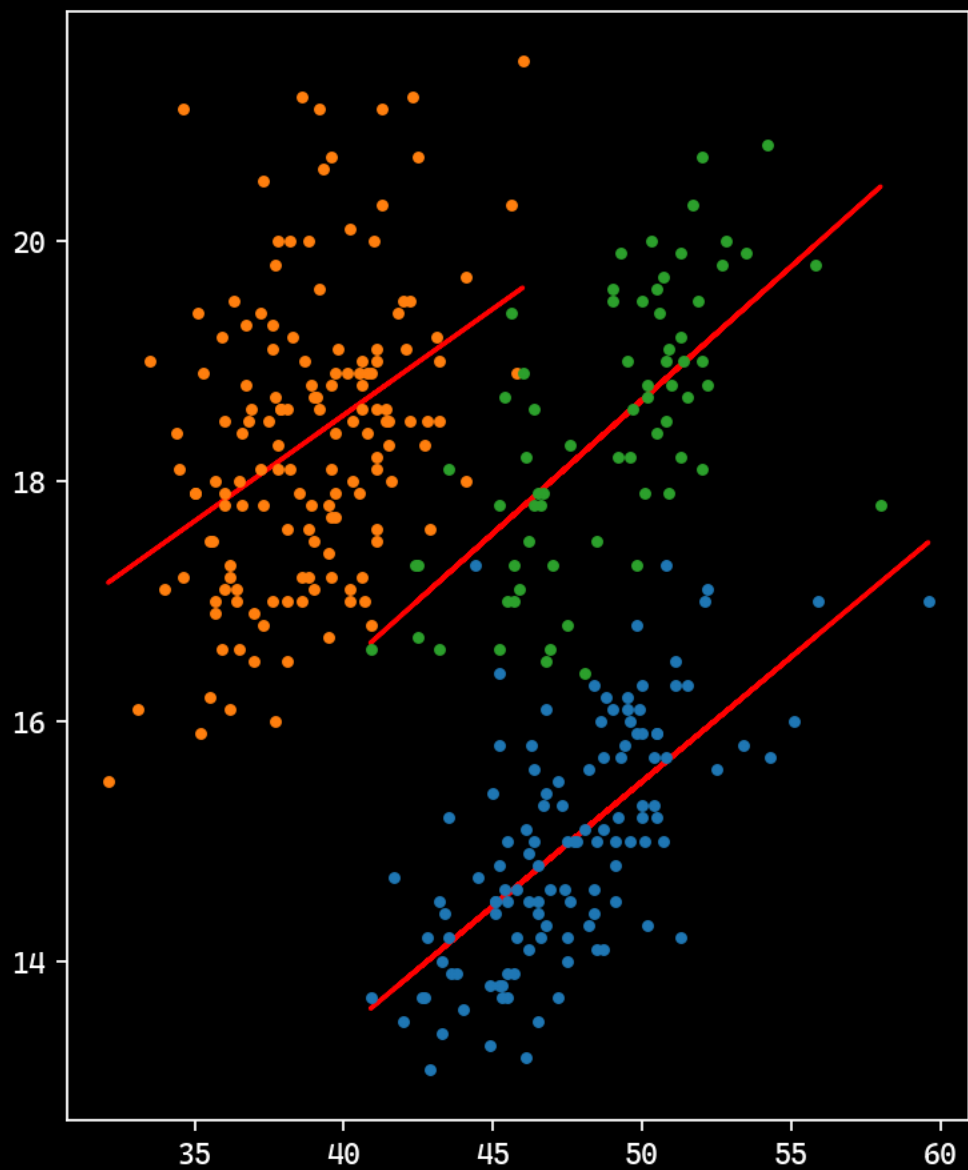
više plotova odjednom





"friziranje" podataka

simpsonov paradoks



p-fitovanje

