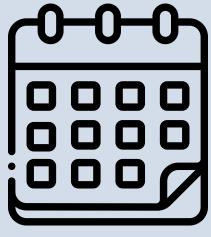
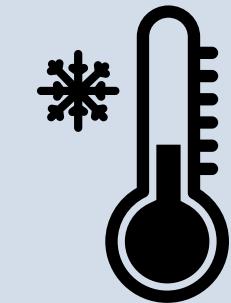
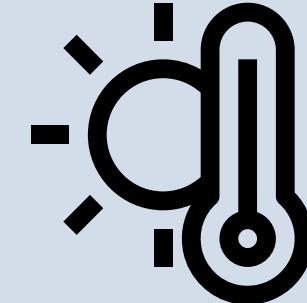
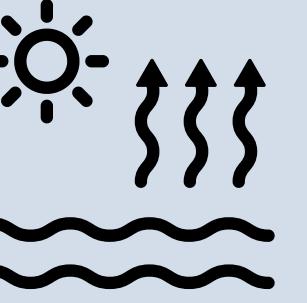
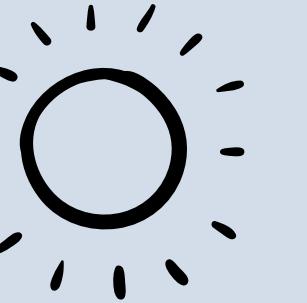
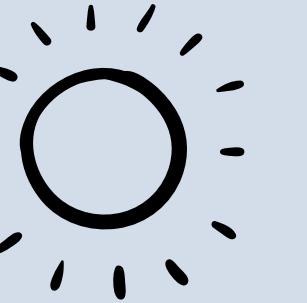
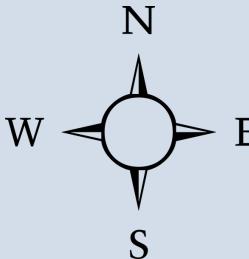
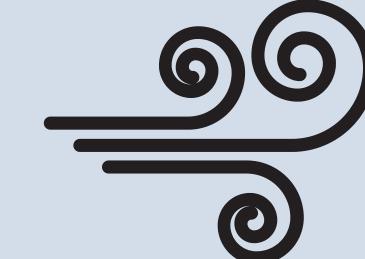
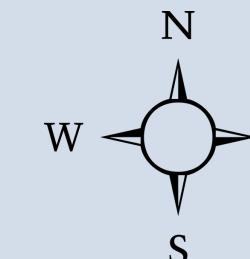
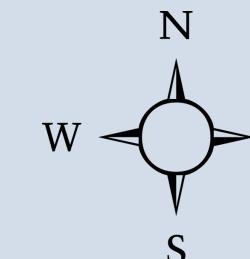
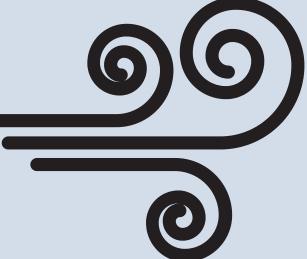
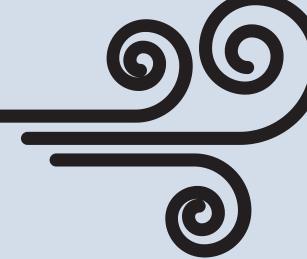
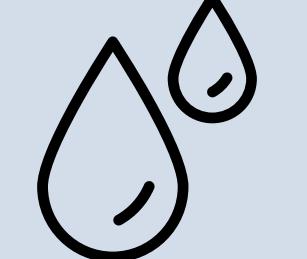
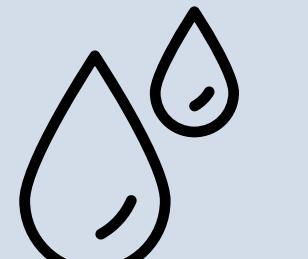
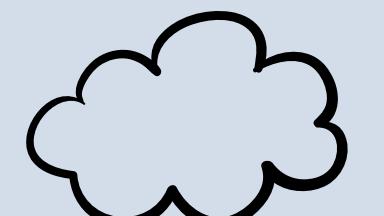
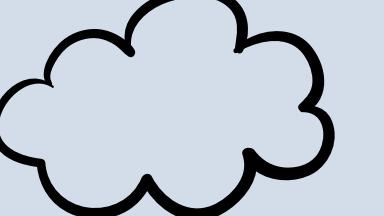
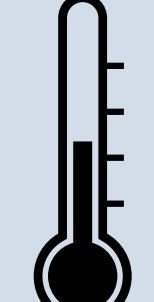
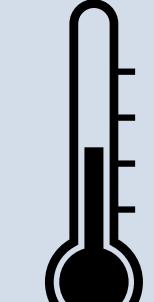


Rain in Australia

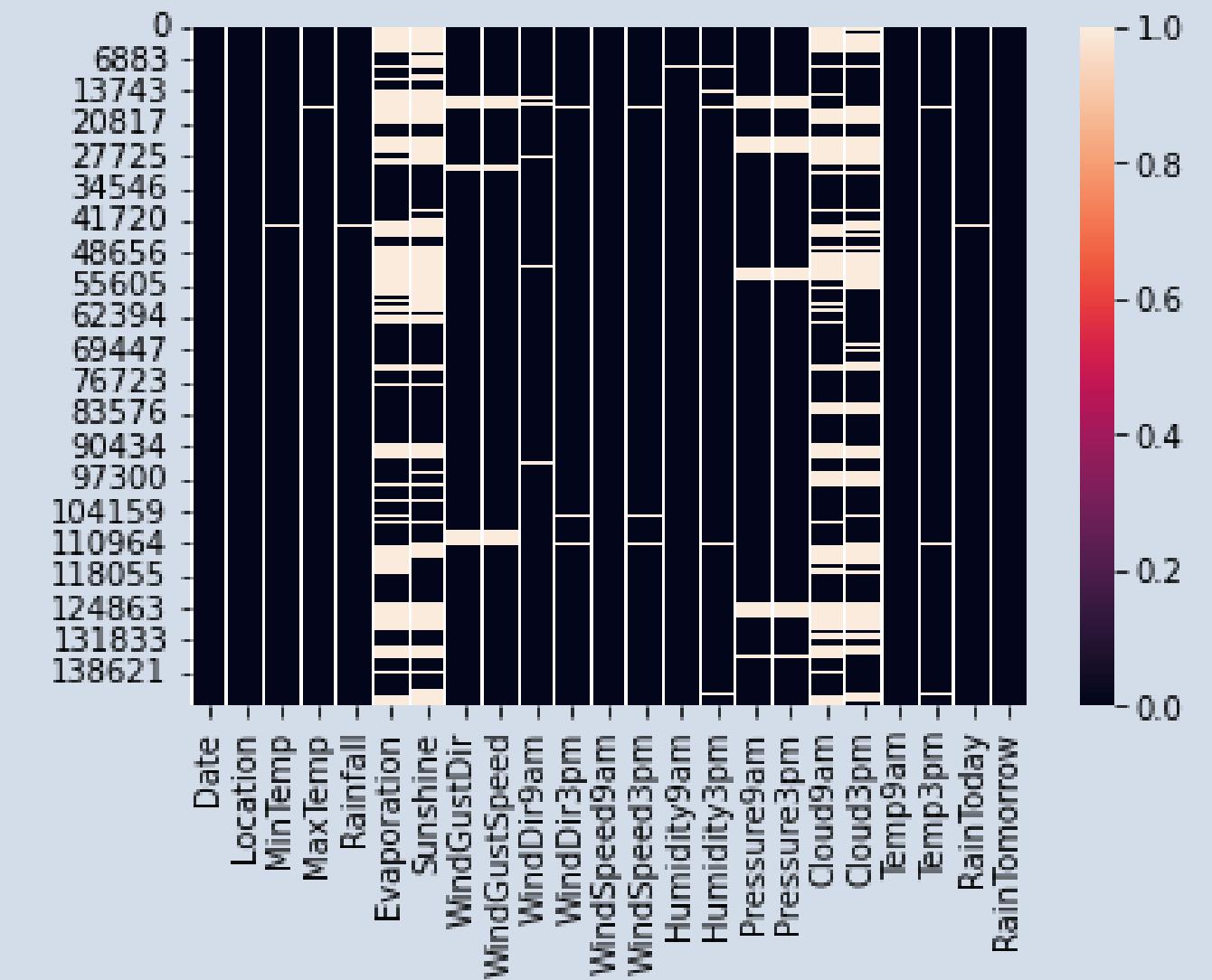
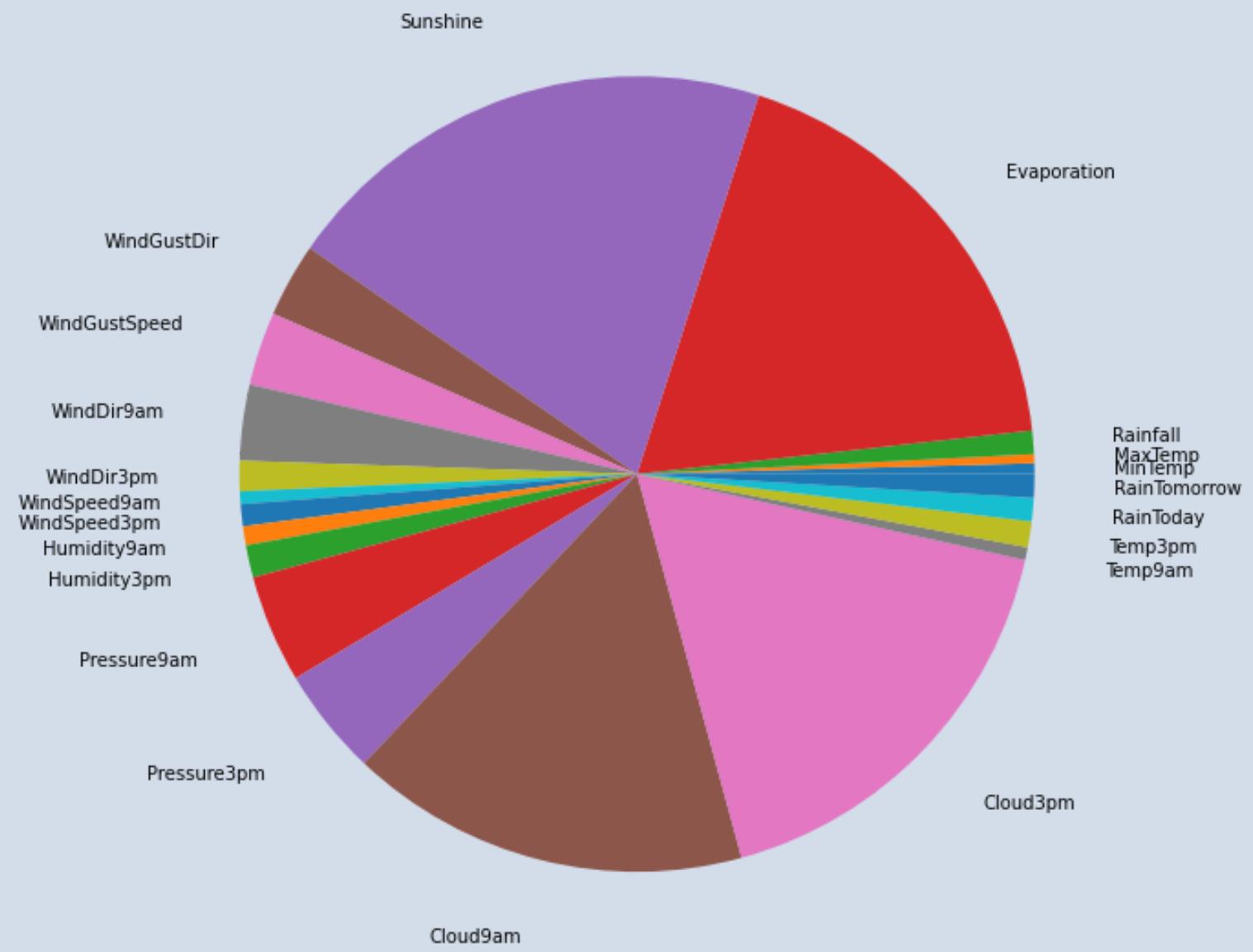


Ivana Nestorović

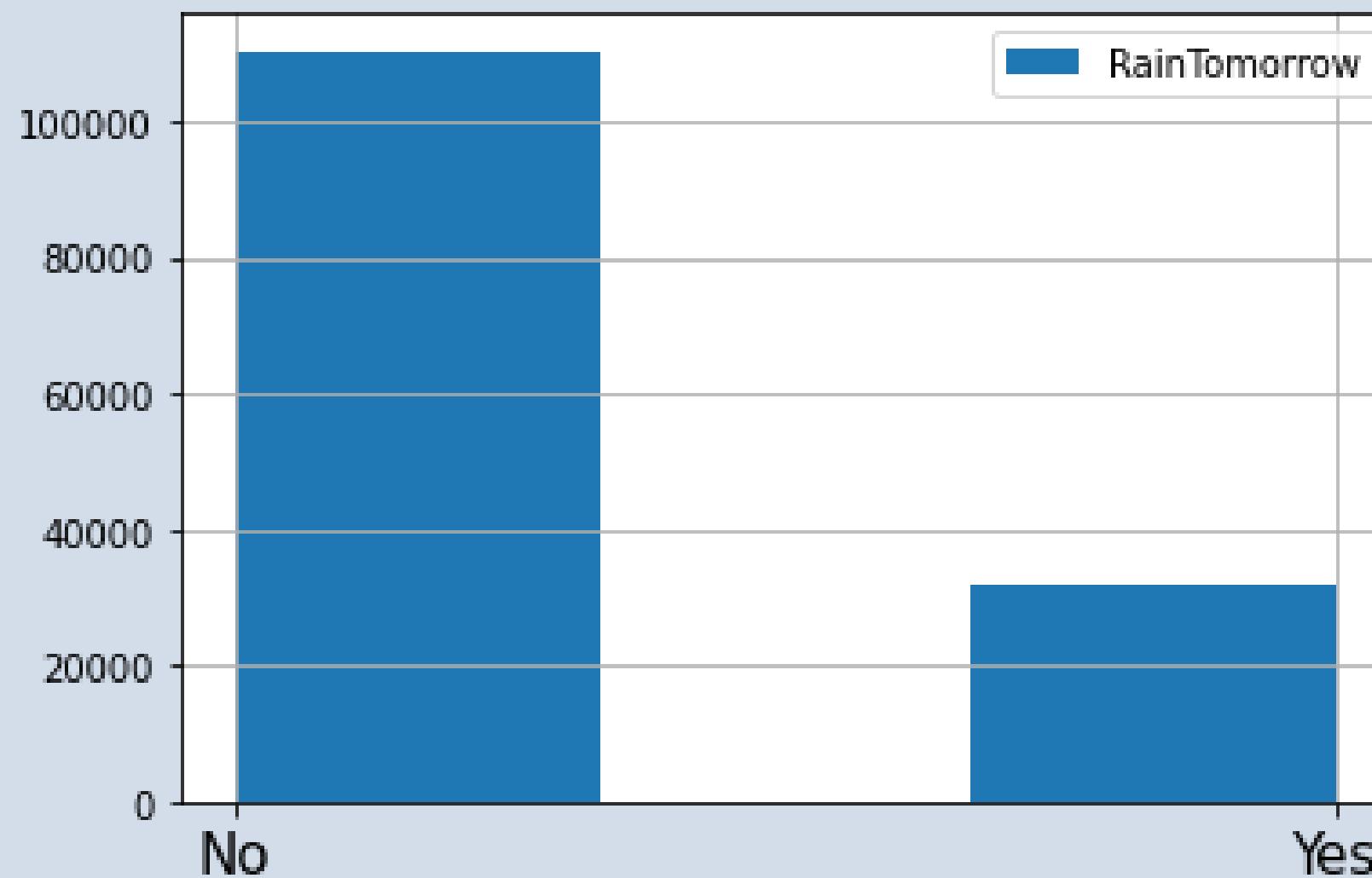
Atributi

Atributi		Atributi		Atributi		Atributi	
Date	Location	Minimal Temeprature	Maximal Temeprature	Rainfall	Evaporation	Sunshine	Sunshine
							
Wind dir.	Wind speed	Wind dir.	Wind dir.	Wind speed	Wind speed	Humidity	Humidity
Max	Max	9am	3pm	9am	3pm	9am	3pm
							
Pressure	Pressure	Cloud	Cloud	Temperature	Temperature	Rain	Rain
9am	3pm	9pm	3pm	9pm	9pm	Today	Tomorrow
							

Nedostajuće vrednosti



Balansiranost ciljnog atributa



Stablo odlučivanja

Classification report for model DecisionTreeClassifier on test data				
	precision	recall	f1-score	support
0	0.86	0.86	0.86	22064
1	0.52	0.50	0.51	6375
accuracy			0.78	28439
macro avg	0.69	0.68	0.69	28439
weighted avg	0.78	0.78	0.78	28439

Confusion matrix for model DecisionTreeClassifier on test data		
	No	Yes
No	19067	2997
Yes	3167	3208

Classification report for model RandomForestClassifier on test data				
	precision	recall	f1-score	support
0	0.86	0.96	0.91	22064
1	0.78	0.46	0.58	6375
accuracy			0.85	28439
macro avg	0.82	0.71	0.75	28439
weighted avg	0.84	0.85	0.84	28439

Confusion matrix for model RandomForestClassifier on test data		
	No	Yes
No	21248	816
Yes	3427	2948

Classification report for model DecisionTreeClassifier on test data				
	precision	recall	f1-score	support
0	0.91	0.79	0.84	22064
1	0.50	0.74	0.59	6375
accuracy			0.77	28439
macro avg	0.70	0.76	0.72	28439
weighted avg	0.82	0.77	0.79	28439

Confusion matrix for model DecisionTreeClassifier on test data		
	No	Yes
No	17340	4724
Yes	1685	4690

GridSearchCV

```
{'criterion': 'gini',
'max_depth': 7,
'min_samples_leaf': 5,
'min_samples_split': 2,
'random_state': 42}
```

K najbližih suseda

```
Classification report for model KNeighborsClassifier on test data
```

	precision	recall	f1-score	support
0	0.91	0.78	0.84	27580
1	0.49	0.75	0.59	7969
accuracy			0.77	35549
macro avg	0.70	0.76	0.72	35549
weighted avg	0.82	0.77	0.78	35549

```
Confusion matrix for model KNeighborsClassifier on test data
```

	No	Yes
No	21387	6193
Yes	2026	5943

```
Classification report for model KNeighborsClassifier on test data
```

	precision	recall	f1-score	support
0	0.86	0.94	0.90	27580
1	0.69	0.49	0.57	7969
accuracy			0.84	35549
macro avg	0.77	0.71	0.73	35549
weighted avg	0.82	0.84	0.82	35549

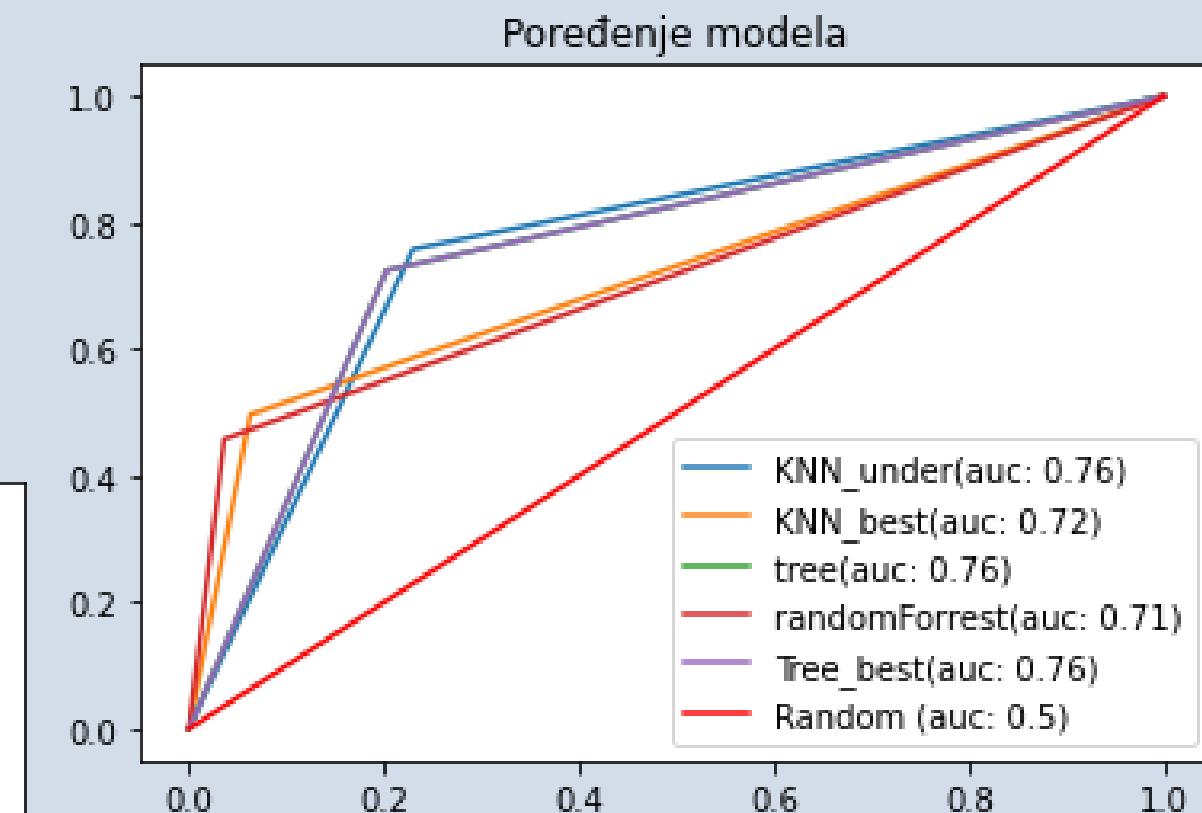
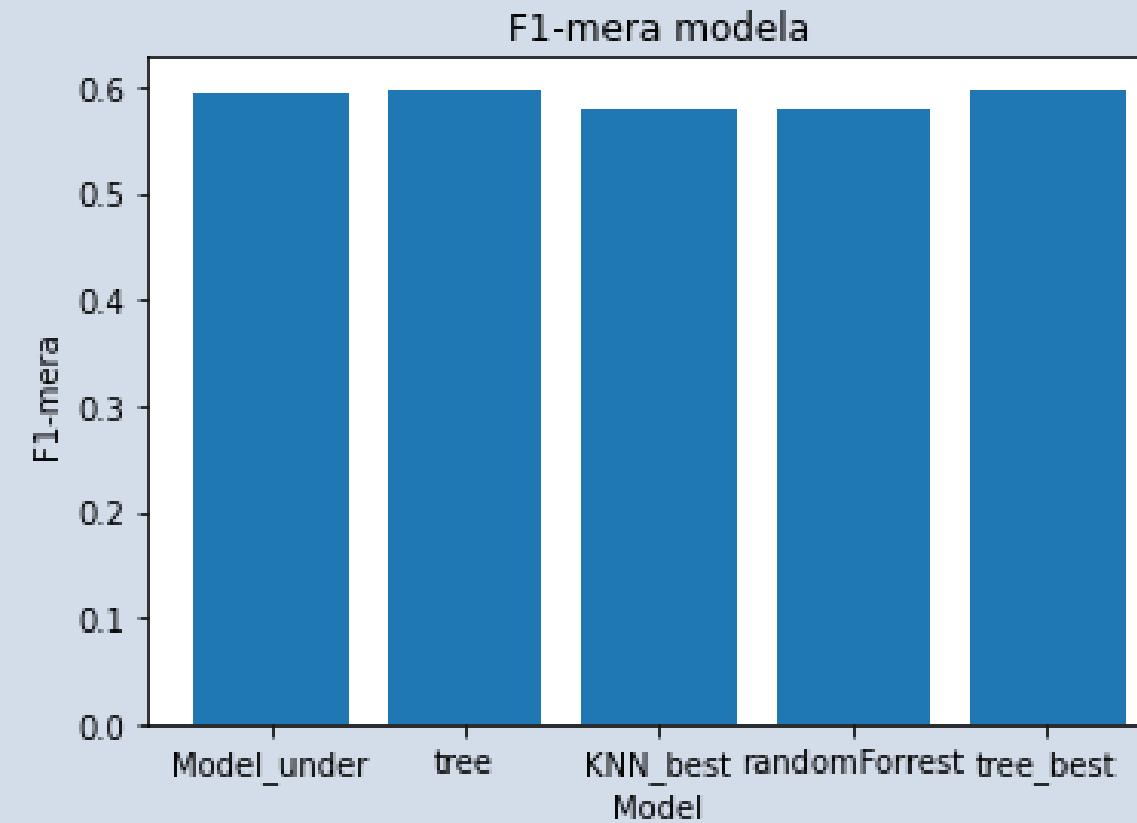
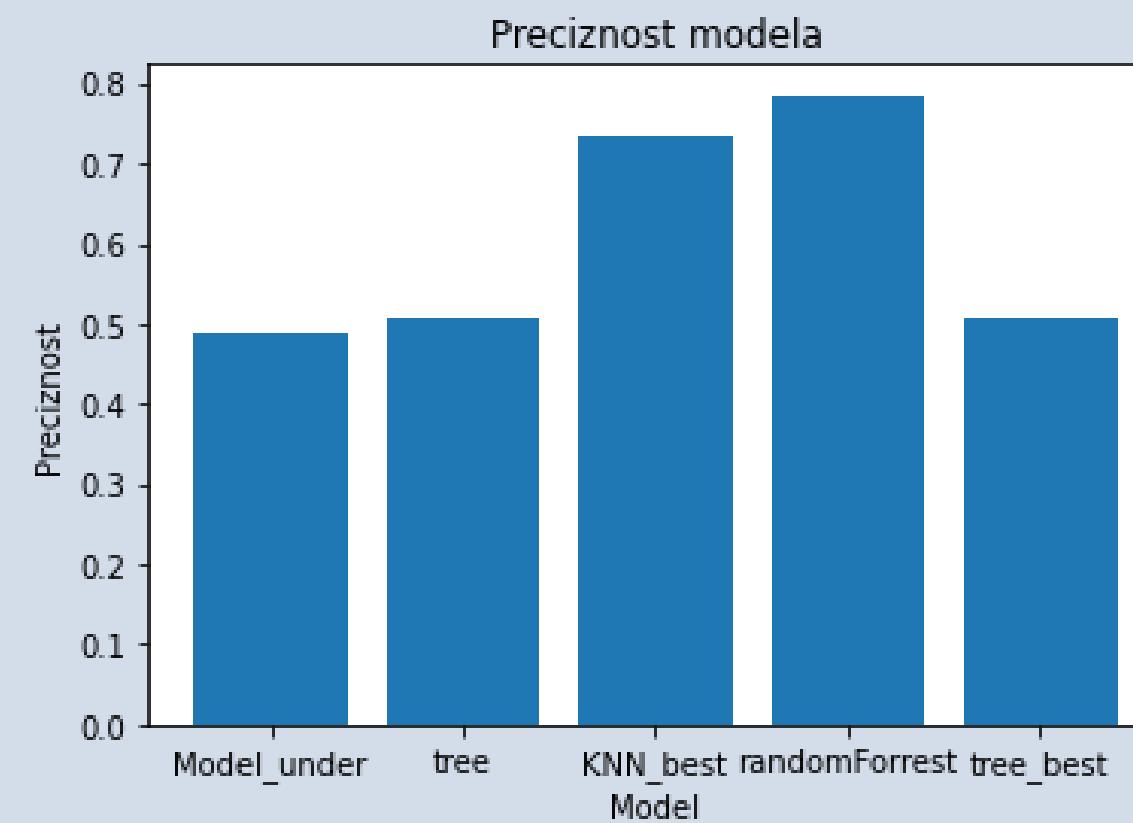
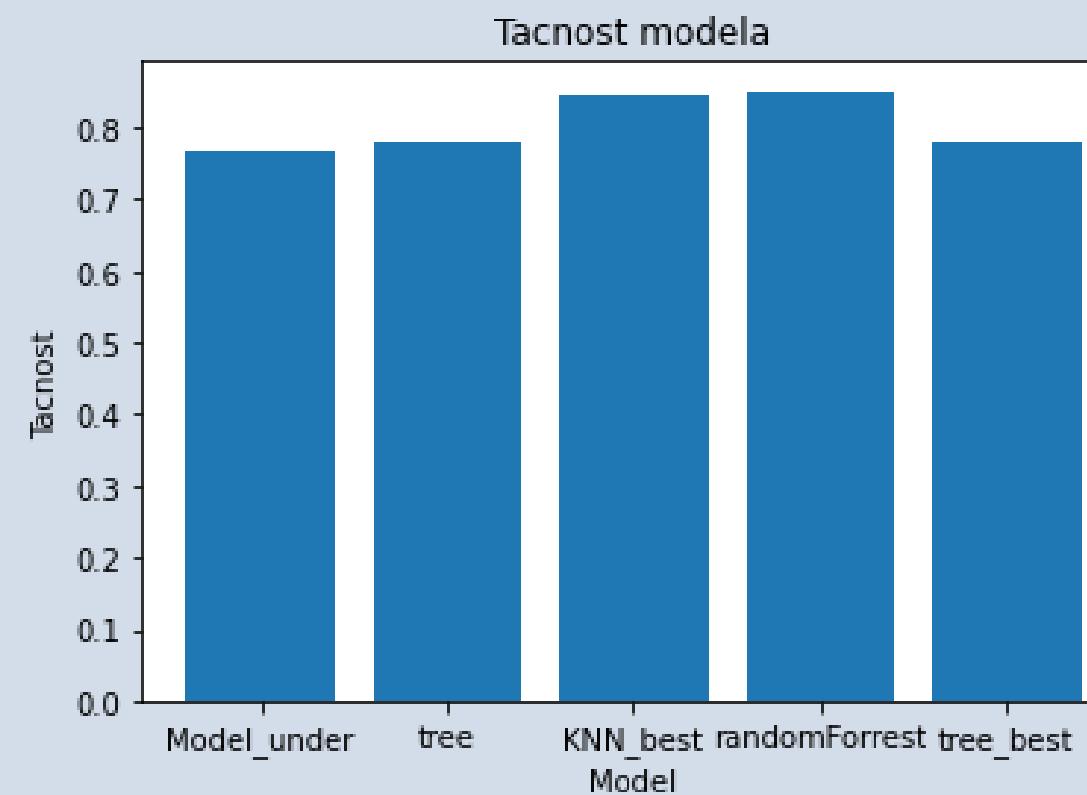
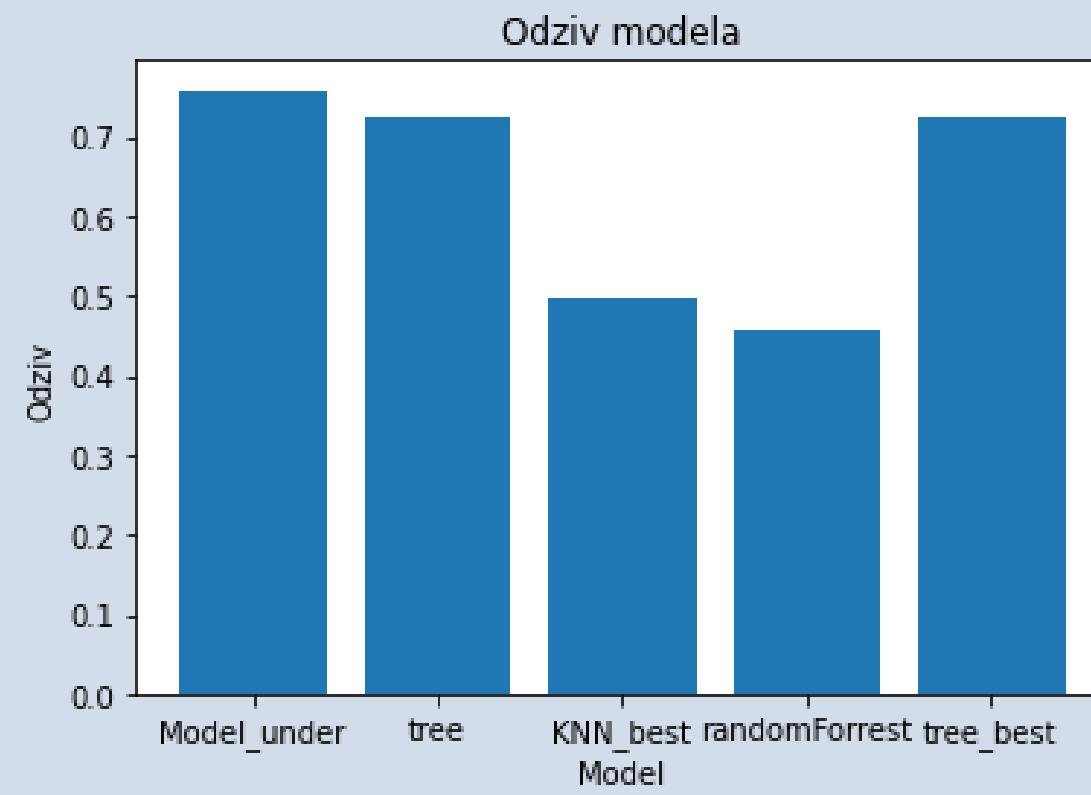
```
Confusion matrix for model KNeighborsClassifier on test data
```

	No	Yes
No	25796	1784
Yes	4068	3901

KNN sa
RandomUnderSampler

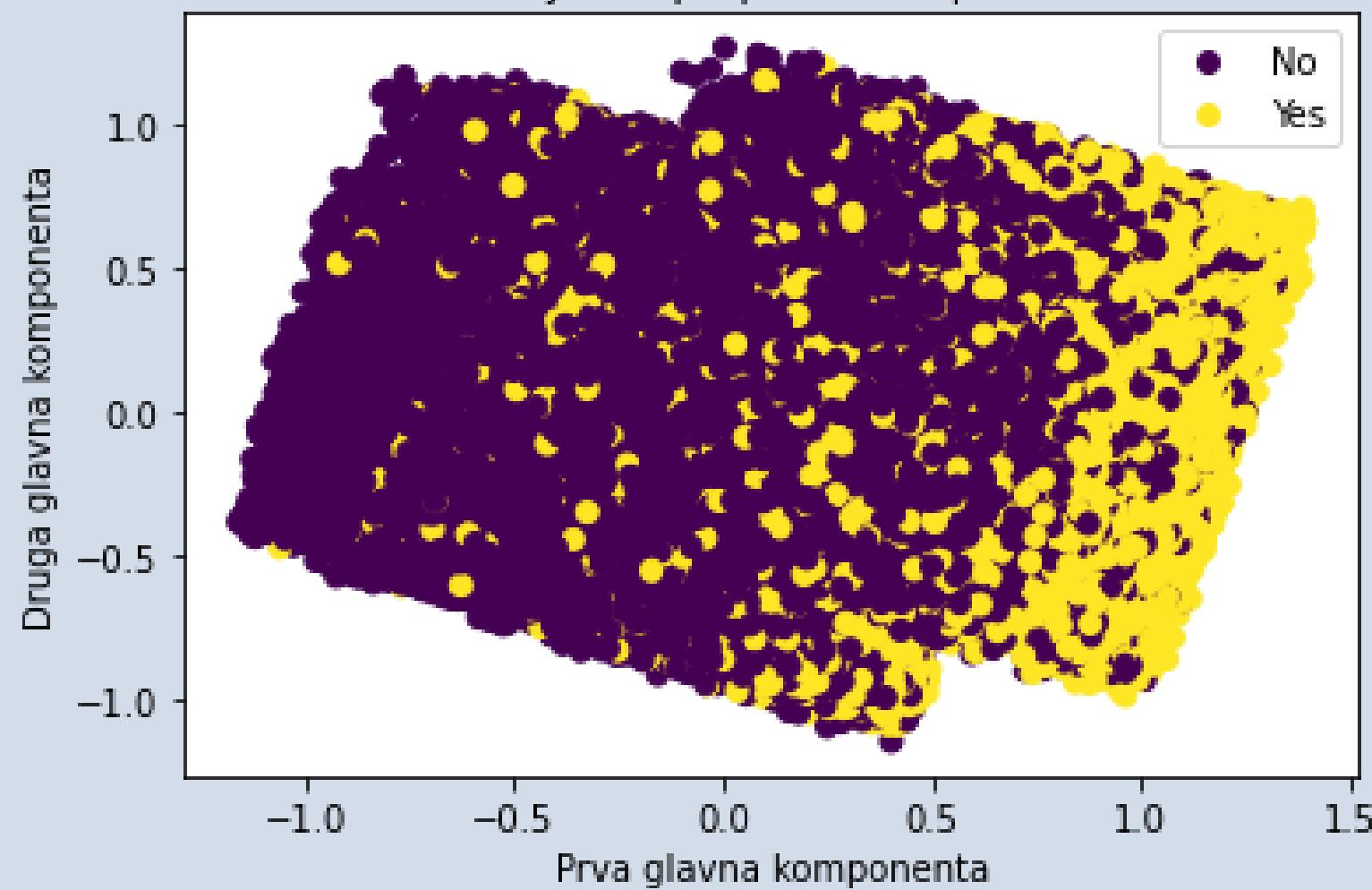
```
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```

Poredjenje modela klasifikacije

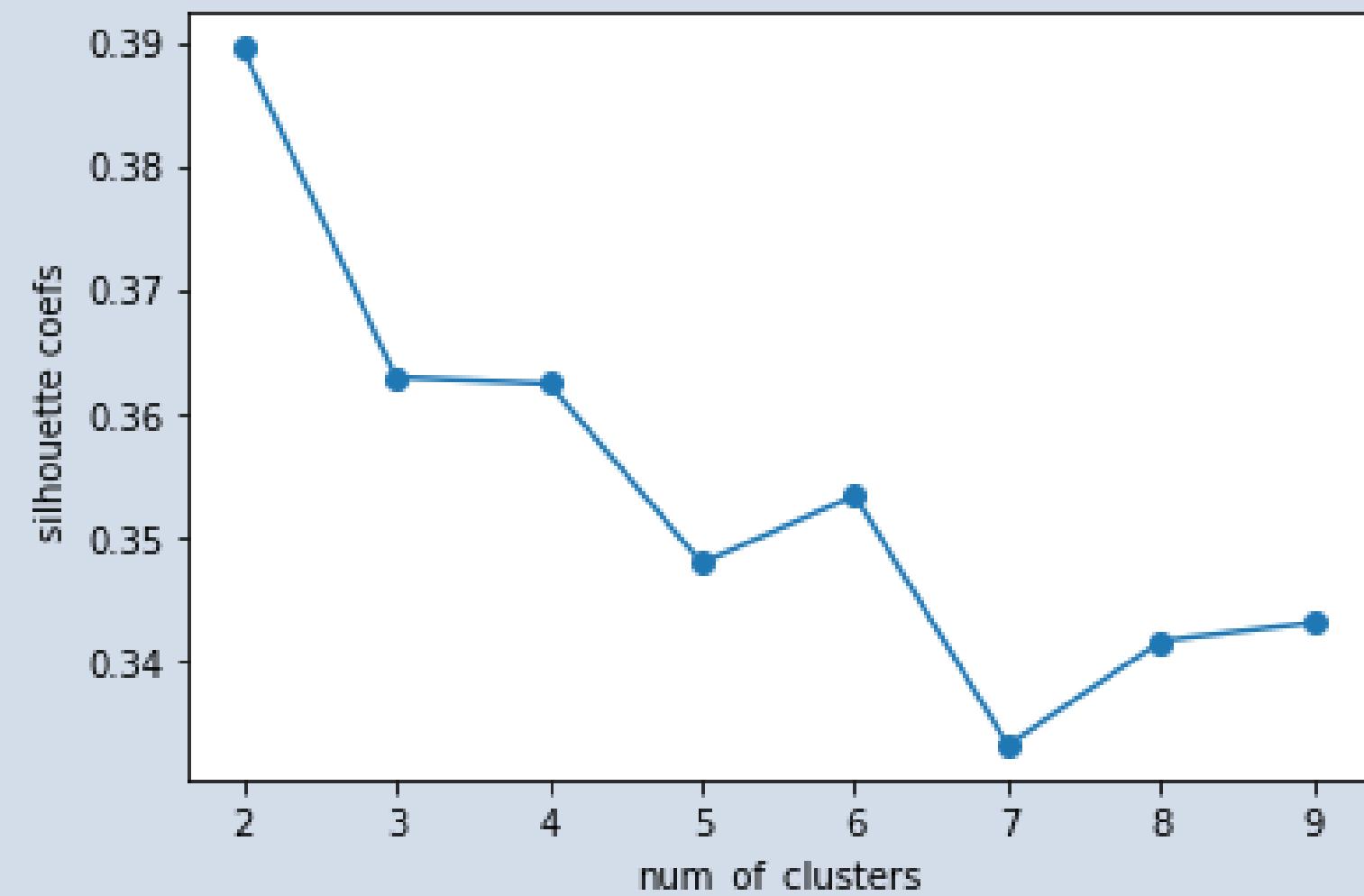


Kmeans

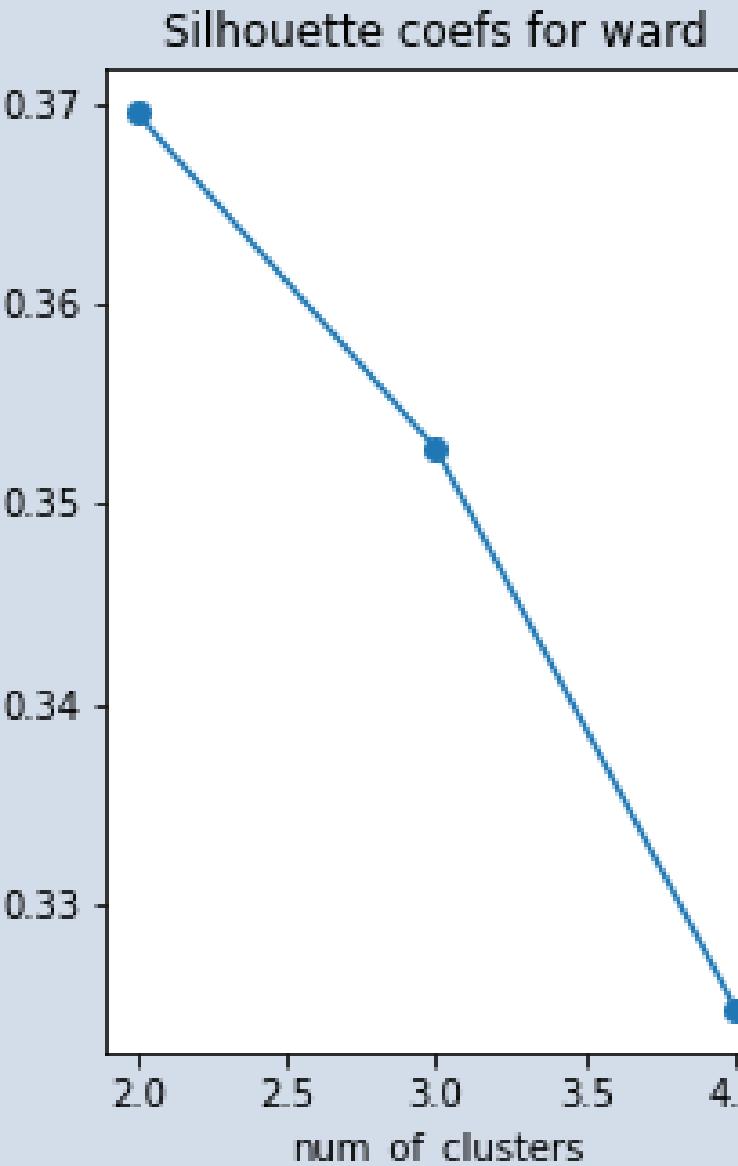
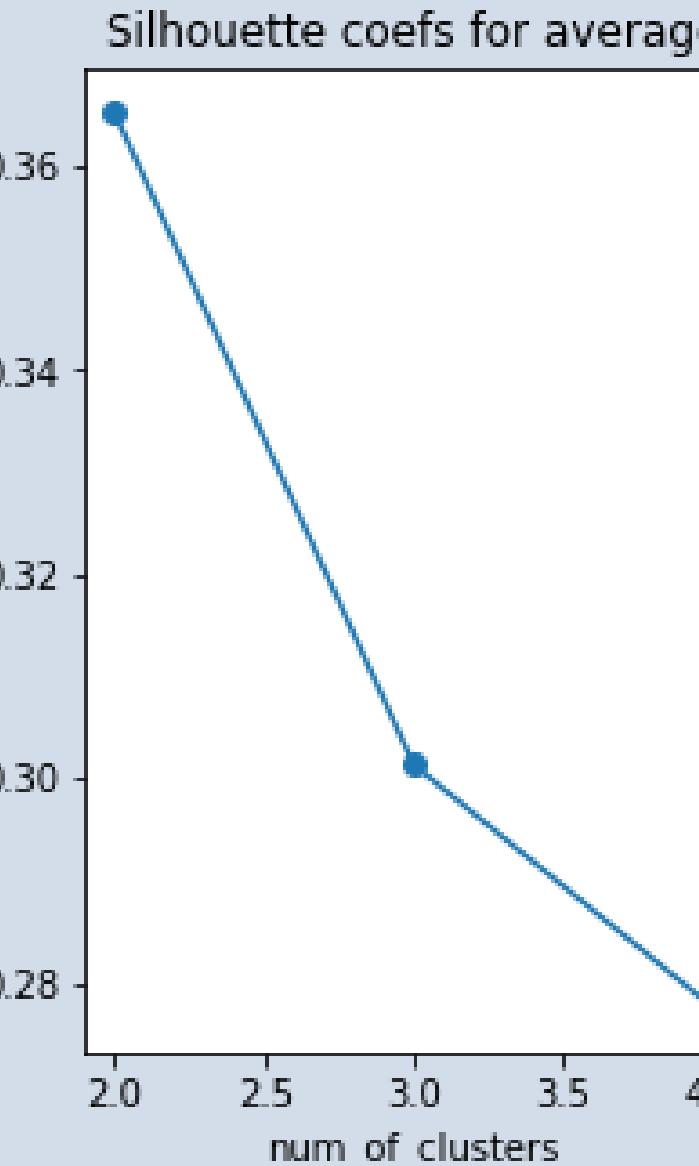
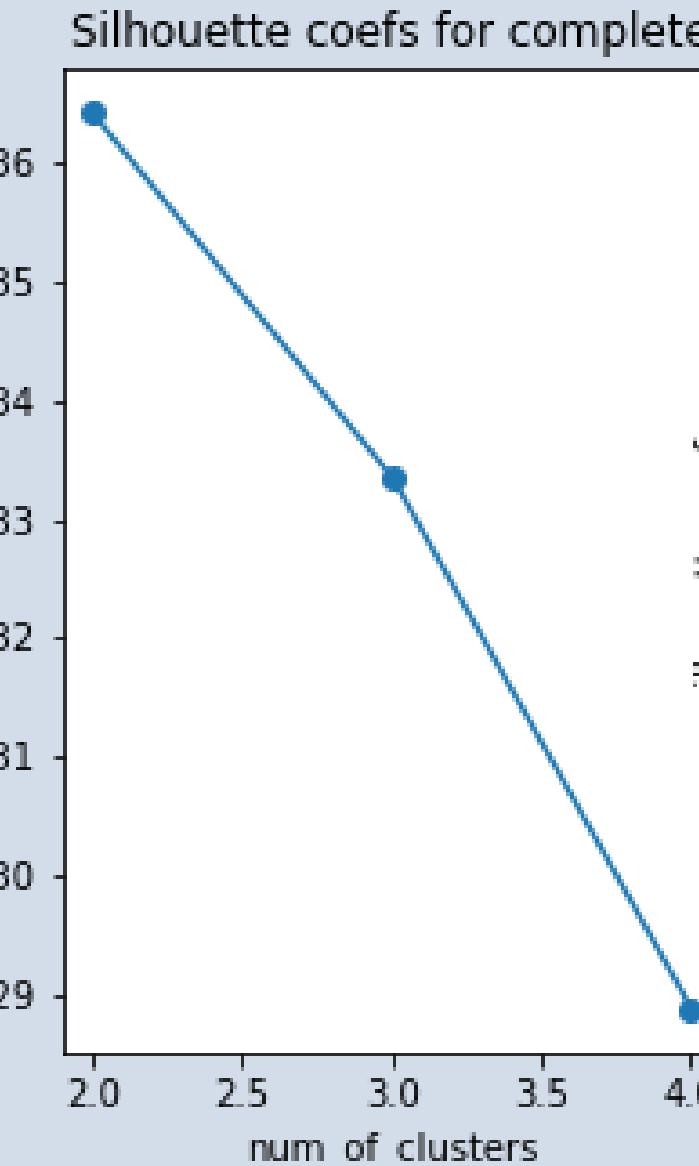
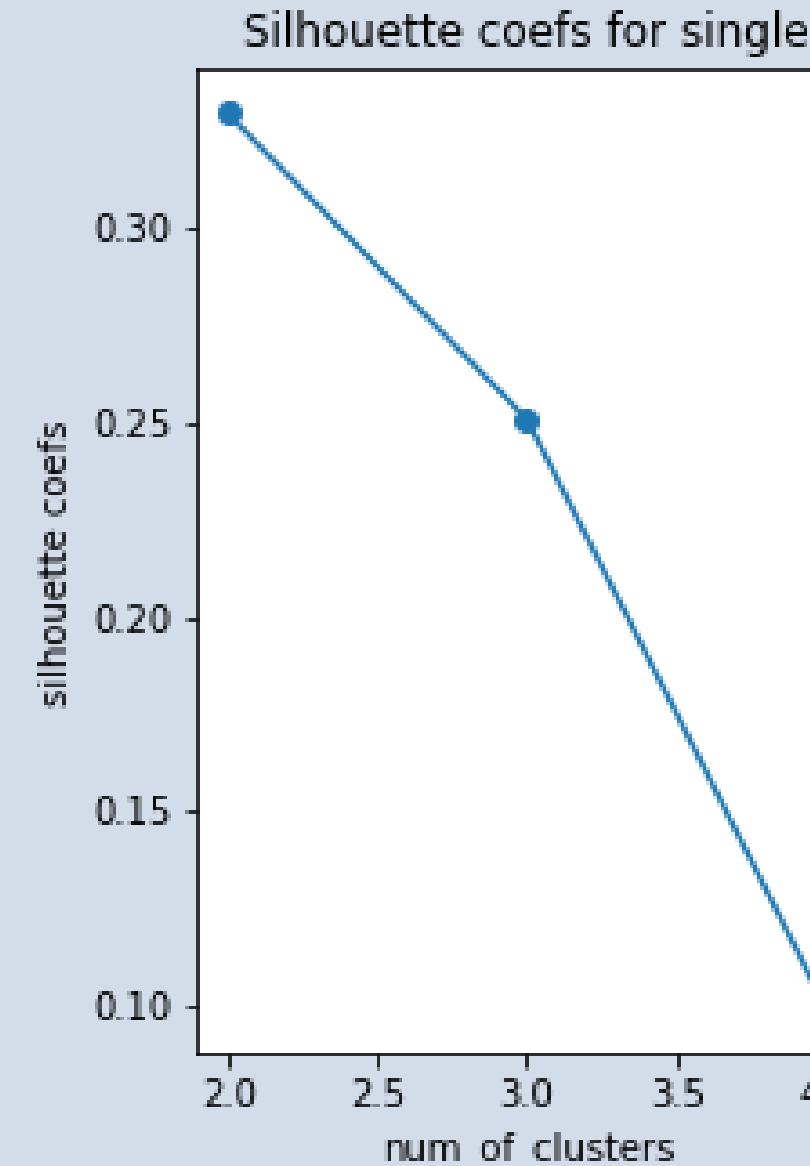
Vizuelizacija skupa podataka pomoću PCA



Silhouette coefs



Hijerarhijsko klasterovanje





Hvala na pažnji!