

U

[	-1.06983726e-01	-5.43634040e-02	6.28902631e-03	...	5.42576376e-02
	1.60581494e-03	2.27770498e-03]			
[	-1.08226598e-01	2.82225381e-02	5.94998742e-02	...	5.32189412e-03
	8.56651825e-02	6.44405862e-03]			
[	-1.15178765e-01	2.28610154e-02	-7.22379342e-03	...	2.76010922e-02
	1.78415121e-01	1.49430370e-01]			
...					
[	7.03091072e-02	-1.30694264e-02	-3.82349658e-02	...	9.89545817e-01
	-1.24233079e-02	-6.58105858e-04]			
[	7.57927216e-02	-1.92875487e-02	-2.11333455e-01	...	-1.40226565e-02
	9.52228601e-01	-2.32385318e-02]			
[	5.53875515e-02	4.70861605e-02	-1.05924305e-01	...	-7.86338250e-04
	-2.19591161e-02	9.77215825e-01]]			

S

[	25.08986398	6.00785254	3.42053538	1.87850234]
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Vt

[	0.36158968	-0.08226889	0.85657211	0.35884393]
	[-0.65653988	-0.72971237	0.1757674	0.07470647]
	[ 0.58099728	-0.59641809	-0.07252408	-0.54906091]
	[ 0.31725455	-0.32409435	-0.47971899	0.75112056]]

Covarianza

[	0.68569351	-0.03926846	1.27368233	0.5169038 ]
	[-0.03926846	0.18800403	-0.32171275	-0.11798121]
	[ 1.27368233	-0.32171275	3.11317942	1.29638747]
	[ 0.5169038	-0.11798121	1.29638747	0.58241432]]

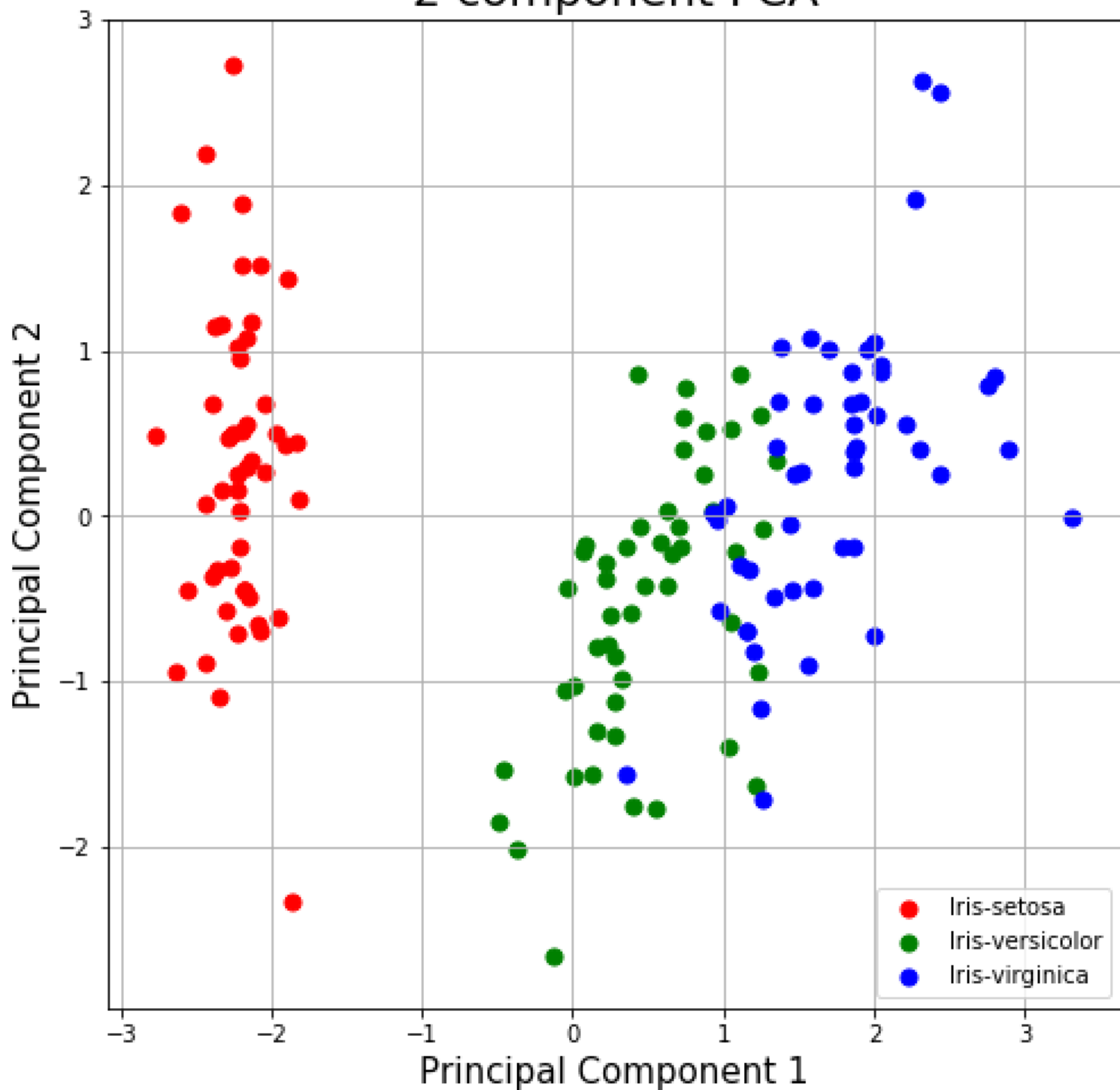
Eigenvalues

[	4.22484077	0.24224357	0.07852391	0.02368303]
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Eigenvectors

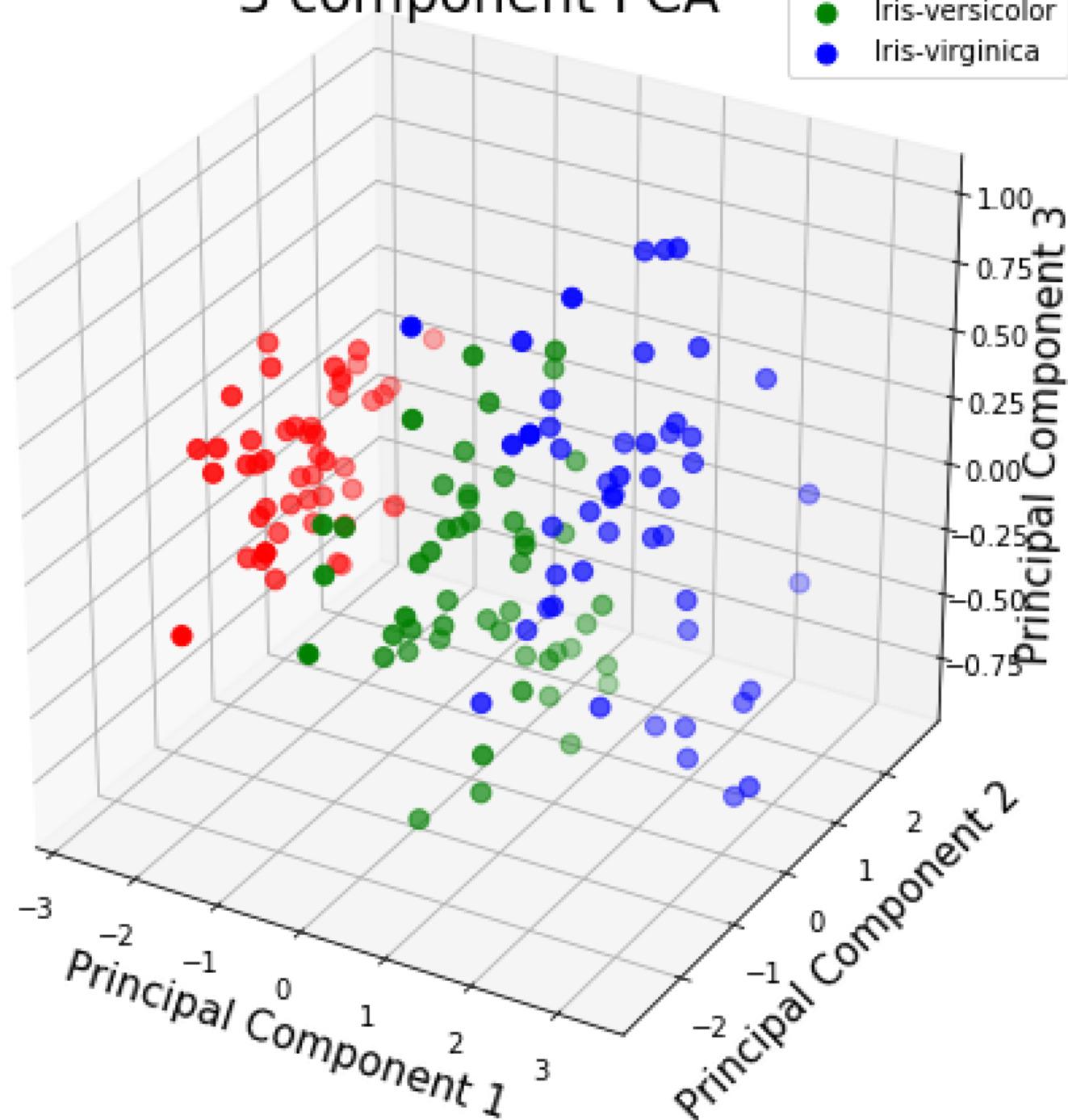
[	0.36158968	-0.65653988	-0.58099728	0.31725455]
	[-0.08226889	-0.72971237	0.59641809	-0.32409435]
	[ 0.85657211	0.1757674	0.07252408	-0.47971899]
	[ 0.35884393	0.07470647	0.54906091	0.75112056]]

2 component PCA



# 3 component PCA

- Iris-setosa
- Iris-versicolor
- Iris-virginica



Scree Plot

