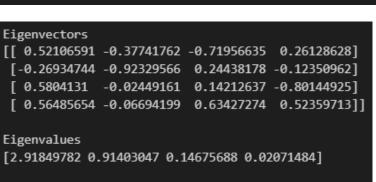
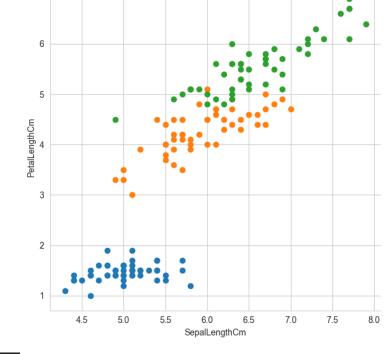
										L.0
Age -				-0.063		-0.1		-0.009		0.8
× - Se		1	0.0088	-0.13		-0.021	0.058	-0.037		0.6
Cholesterol		0.0088	1	-0.01	-0.062	-0.096	-0.042	0.15		0.4
Na_to_K	-0.063	-0.13	-0.01	1	-0.68	0.1	0.043	-0.16	- (	0.2
Drug			-0.062	-0.68	1	0.26	-0.24	-0.031	- (	0.0
BP_HIGH	-0.1	-0.021	-0.096		0.26	1	-0.54	-0.51		-0.2
BP_LOW			-0.042		-0.24	-0.54	1	-0.44		-0.4
BP_NORMAL	-0.009	-0.037	0.15	-0.16	-0.031	-0.51	-0.44	1		-0.6
	Age	Sex	Cholesterol	Na_to_K	Drug	BP_HIGH	BP_LOW	BP_NORMAL		

[[14 [ 0 [ 3 [ 0	1 0	1 3 2	0 1 4	0] 1] 1] 0]			
[ 1	1	1	0	1]] precision	recall	f1-score	support
			1	0.78	0.88	0.82	16
			2	0.60	0.60	0.60	5
			3	0.43	0.33	0.38	9
			4	0.57	0.67	0.62	6
			5	0.33	0.25	0.29	4
а	ccu	rac	y			0.62	40
ma	cro	av	g	0.54	0.55	0.54	40
weigh	ted	av	g	0.60	0.62	0.61	40

\_\_\_\_\_\_

	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm
0	5.1	3.5	1.4	0.2
1	4.9	3.0	1.4	0.2
2	4.7	3.2	1.3	0.2
3	4.6	3.1	1.5	0.2
4	5.0	3.6	1.4	0.2
0	Setosa			
1	Setosa			
2	Setosa			
3	Setosa			
4	Setosa			
Na	me: Species, d	type: object		
				·



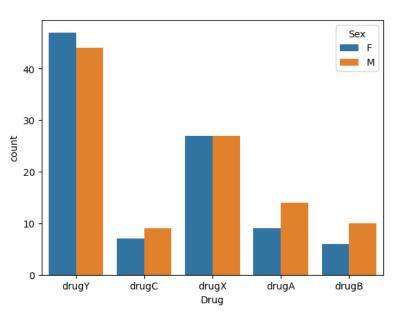


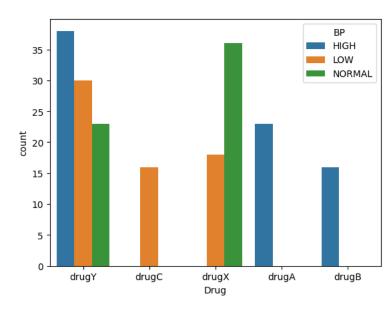
[[-0.90068117	1.01900435	-1.34022653	-1.3154443	]
[-1.14301691	-0.13197948	-1.34022653	-1.3154443	]
[-1.38535265	0.32841405	-1.39706395	-1.3154443	]
[-1.50652052	0.09821729	-1.2833891	-1.3154443	]
[-1.02184904	1.24920112	-1.34022653	-1.3154443	]]
150				

[-4.73695157e-16 -7.81597009e-16 -4.26325641e-16 -4.73695157e-16]

	PC1	PC2	species
0	-2.264703	-0.480027	Setosa
1	-2.080961	0.674134	Setosa
2	-2.364229	0.341908	Setosa
3	-2.299384	0.597395	Setosa
4	-2.389842	-0.646835	Setosa

Covariance mai	trix		
[[ 1.	-0.11756978	0.87175378	0.81794113]
[-0.11756978	1.	-0.4284401	-0.36612593]
[ 0.87175378	-0.4284401	1.	0.96286543]
[ 0.81794113	-0.36612593	0.96286543	1. ]]





count	200.000000
mean	16.084485
std	7.223956
min	6.269000
25%	10.445500
50%	13.936500
75%	19.380000
max	38.247000
Name:	Na_to_K, dtype: float64

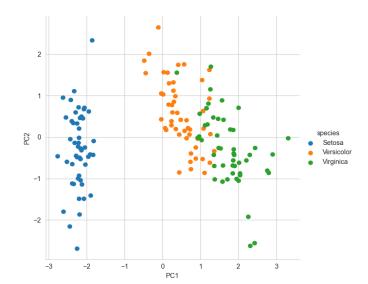
	Drug	Cholesterol	count
0	drugA	HIGH	12
1	drugA	NORMAL	11
2	drugB	HIGH	8
3	drugB	NORMAL	8
4	drugC	HIGH	16
5	drugX	HIGH	20
6	drugX	NORMAL	34
7	drugY	HIGH	47
8	drugY	NORMAL	44

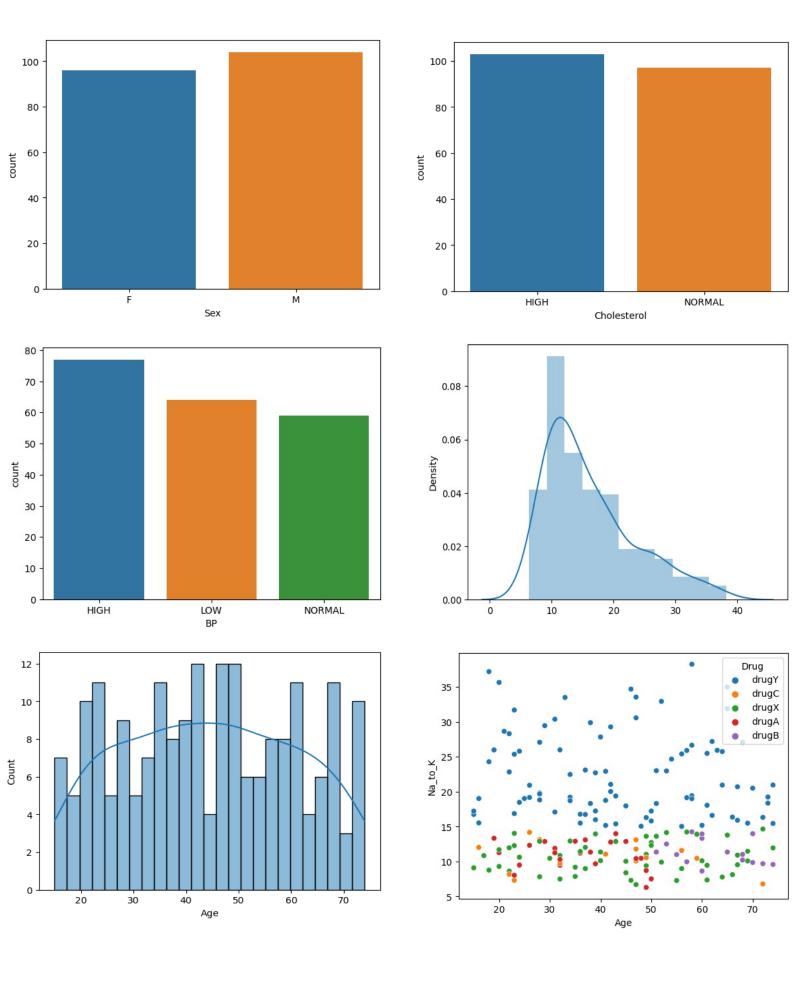
	Drug	ВР	count
0	drugA	HIGH	23
1	drugB	HIGH	16
2	drugC	LOW	16
3	drugX	LOW	18
4	drugX	NORMAL	36
5	drugY	HIGH	38
6	drugY	LOW	30
7	drugY	NORMAL	23

	Drug	Sex	count
0	drugA	F	9
1	drugA	М	14
2	drugB	F	6
3	drugB	М	10
4	drugC	F	7
5	drugC	М	9
6	drugX	F	27
7	drugX	М	27
8	drugY	F	47
9	drugY	М	44

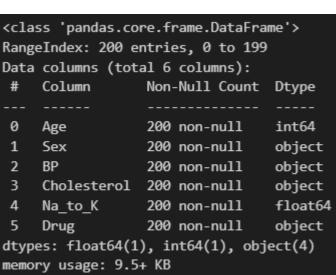
	Age	Sex	Cholesterol	Na_to_K	Drug	BP_HIGH	BP_LOW	BP_NORMAL
0	23	0	1	25.355	1	1	0	0
1	47	1	1	13.093	2	0	1	0
2	47	1	1	10.114	2	0	1	0
3	28	0	1	7.798	3	0	0	1
4	61	0	1	18.043	1	0	1	0

x train shape (160, 7) x test shape (40, 7) y train shape (160, 1) y test shape (40, 1) (200, 6) (200, 8) 86.875 62.5



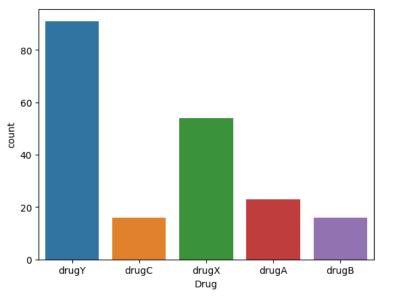


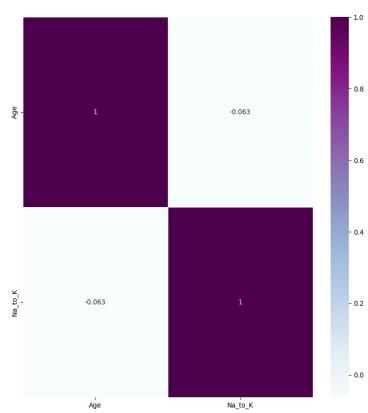
	Age	Sex	ВР	Cholesterol	Na_to_K	Drug
0	23	F	HIGH	HIGH	25.355	drugY
1	47	М	LOW	HIGH	13.093	drugC
2	47	М	LOW	HIGH	10.114	drugC
3	28	F	NORMAL	HIGH	7.798	drugX
4	61	F	LOW	HIGH	18.043	drugY



drugY	91		
drugX	54		
drugA	23		
drugC	16		
drugB	16		
Name:	Drug,	dtype:	int64

Age	0
Sex	0
BP	0
Cholesterol	0
Na_to_K	0
Drug	0
dtype: int64	





HIGH 103 NORMAL 97

Name: Cholesterol, dtype: int64

HIGH 77 LOW 64 NORMAL 59

Name: BP, dtype: int64

