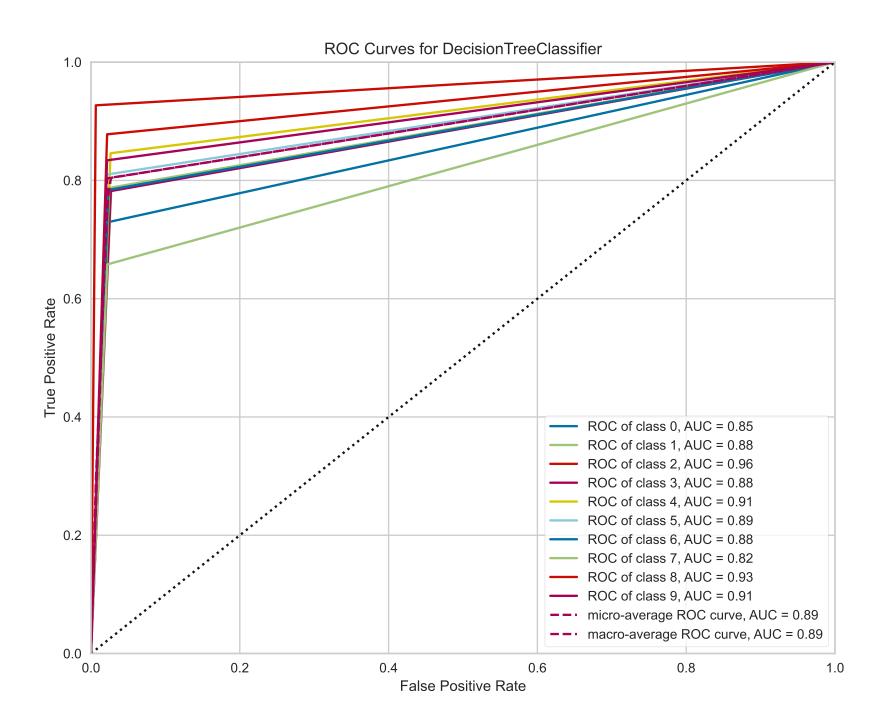
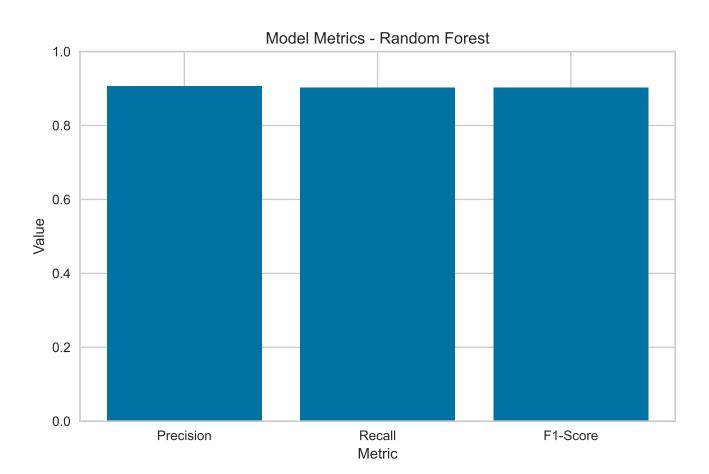


Decision Trees - Confusion Matrix

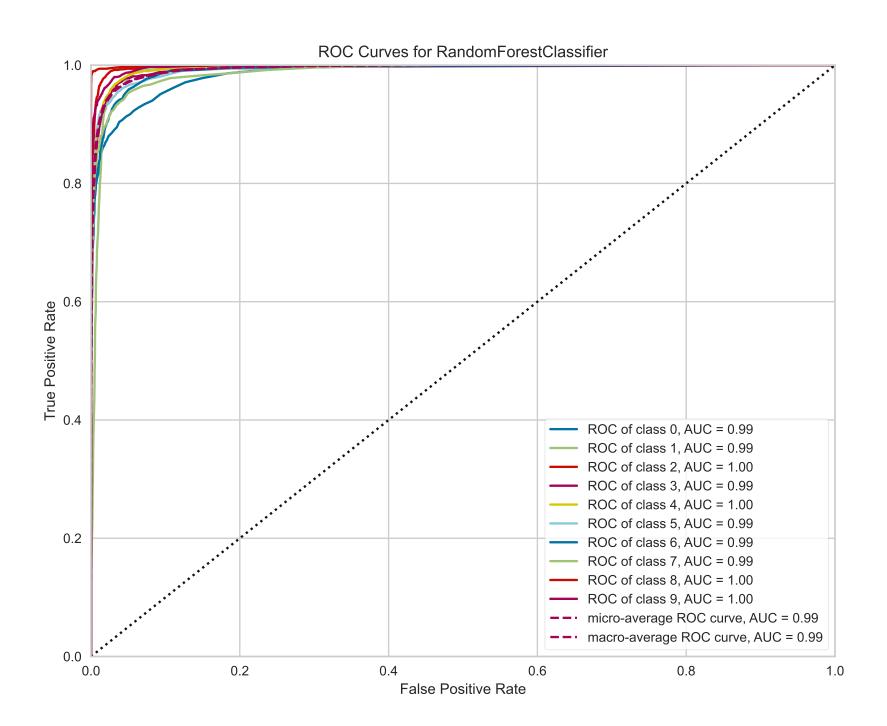
0	729	148	6	30	7	4	5	10	39	22		
-	97	788	13	30	6	17	6	9	22	12		8
7	3	5	927	10	2	29	6	9	4	5		
က	15	16	9	782	31	36	26	65	14	6		6
True Label 5 4	2	1	1	37	846	47	14	17	14	21		
True 5	5	11	6	23	100	810	8	4	19	14		40
9	8	5	5	45	26	24	784	69	5	29		
7	9	12	6	49	34	7	137	658	17	71		20
∞	41	14	11	9	5	19	5	4	878	14		
თ	12	34	1	7	26	10	5	10	61	834		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		

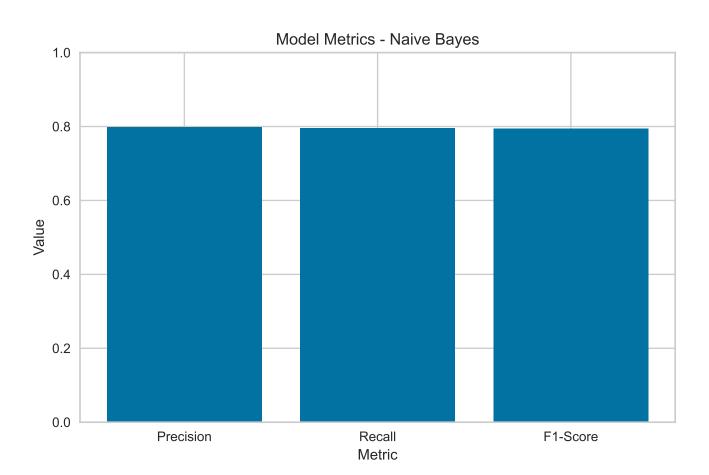




Random Forest - Confusion Matrix

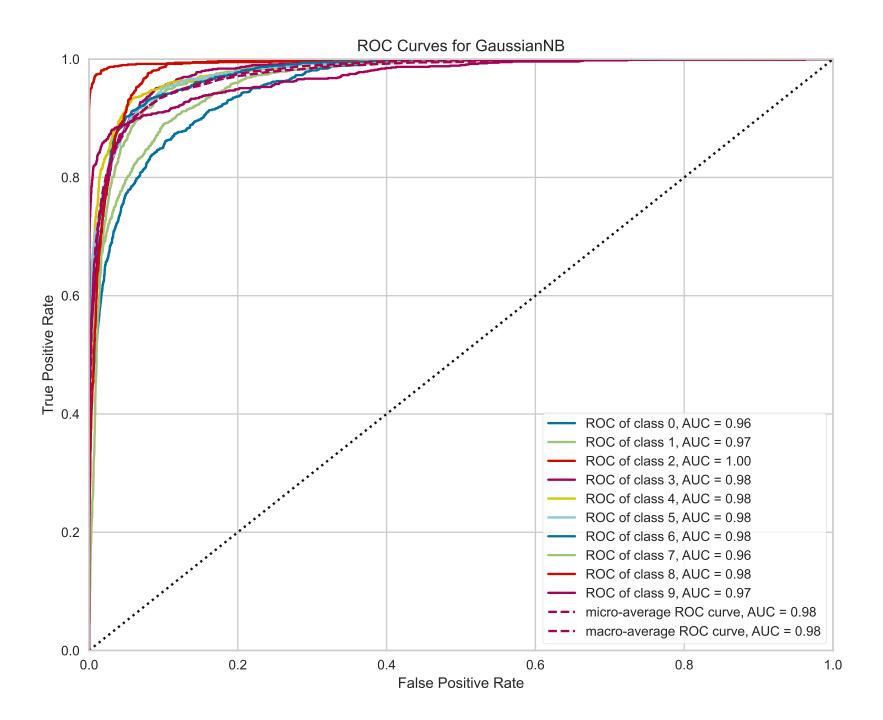
	Random Forest - Confusion Matrix												
0	798	148	2	20	5	0	2	1	17	7			
~	9	942	1	23	5	3	0	0	11	6		8	800
2	4	1	985	2	0	5	1	1	1	0			
က	8	9	1	927	10	18	6	19	2	0		6	600
abel 4	0	1	0	17	944	19	2	3	8	6			
True Label 5 4	0	1	0	14	101	871	4	2	5	2		1	.00
9	3	4	0	23	19	21	893	16	1	20		7	00
7	5	9	0	36	21	2	100	786	5	36		2	.00
∞	15	8	1	1	2	4	3	0	964	2			00
o	3	6	0	0	11	0	8	3	50	919			
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0	

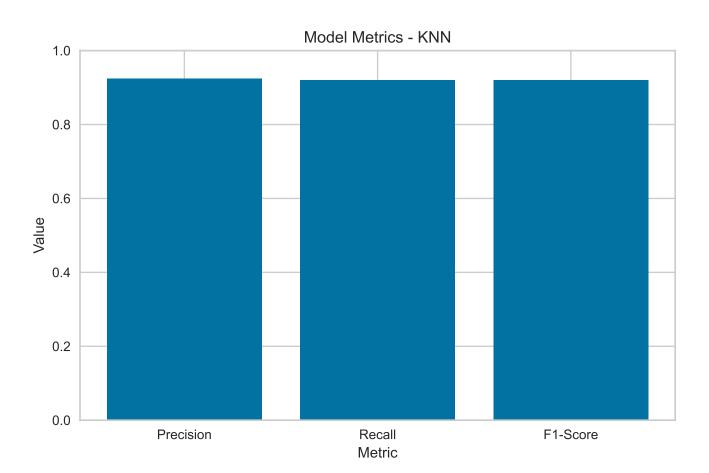




Naive Bayes - Confusion Matrix

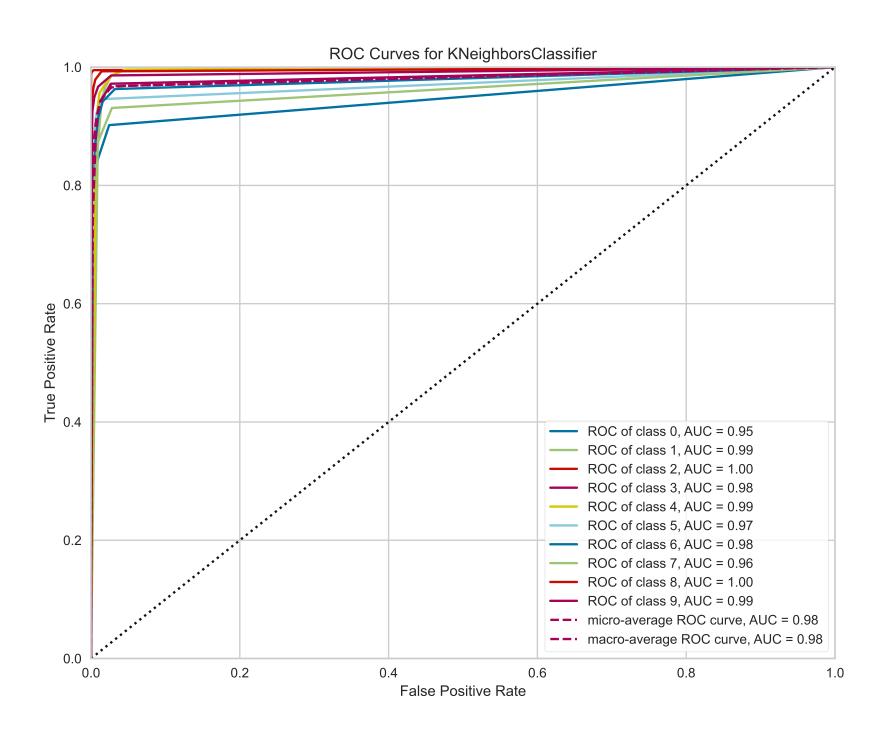
	Naive Bayes - Goringsion Matrix												
0	622	225	19	46	9	0	2	11	57	9			
~	18	798	2	91	8	7	0	3	57	16			800
2	14	1	973	4	0	4	2	1	0	1			
က	19	9	2	801	33	20	21	95	0	0			600
True Label 5 4	2	0	0	21	880	28	4	21	31	13			
True 5	0	1	5	35	180	732	4	23	16	4			400
9	7	5	33	14	25	52	810	39	1	14			
7	10	11	4	44	33	1	179	700	4	14			200
ω	98	25	25	3	2	6	1	2	828	10			200
თ	15	10	5	0	20	0	8	16	107	819			0
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9			0

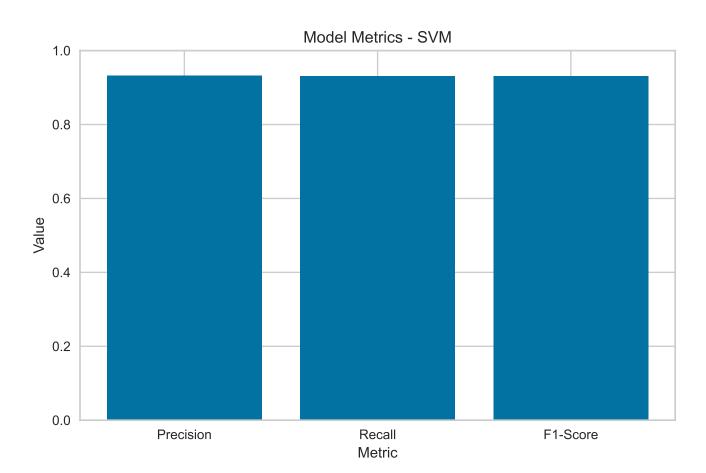




KNN - Confusion Matrix

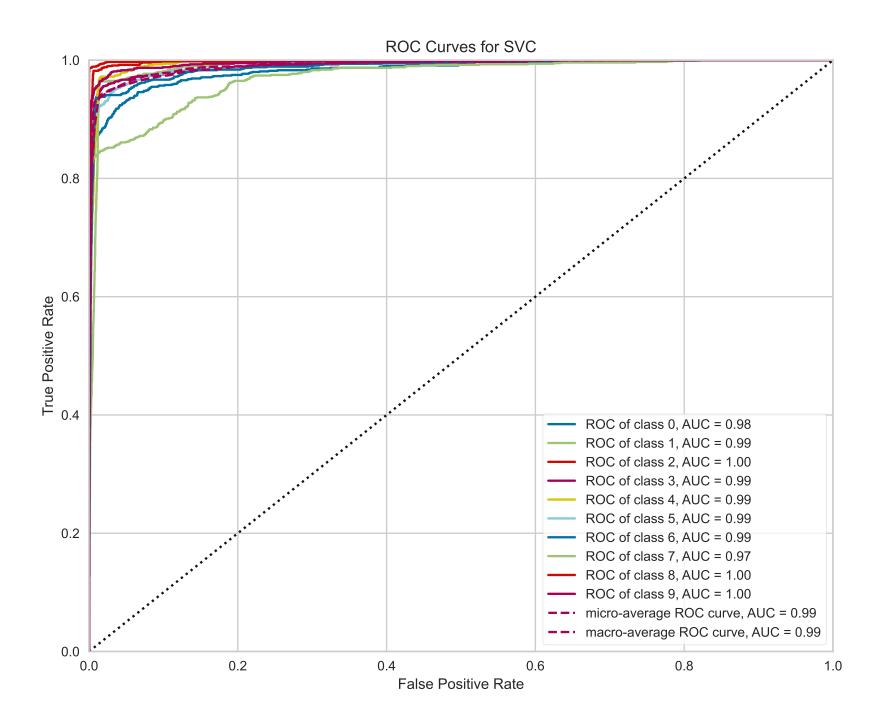
0	815	151	1	13	7	0	0	1	6	6	
~	9	971	0	7	5	0	1	1	4	2	
2	2	2	989	2	0	2	3	0	0	0	
က	13	18	0	918	16	20	1	13	1	0	
True Label 5 4	0	1	0	5	974	9	3	1	3	4	
True 5	0	0	0	12	88	895	2	0	2	1	
9	2	2	0	7	28	7	918	22	1	13	
7	8	4	0	32	38	3	82	813	1	19	
ω	16	7	3	0	3	3	0	0	966	2	
თ	4	5	0	0	11	4	10	2	14	950	
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	





SVM - Confusion Matrix

				3 7 1	vi - Collii	usion ivid	אוווא					
0	855	110	0	15	3	0	0	4	10	3		
~	8	966	0	11	3	0	2	2	5	3		800
7	3	0	989	3	0	3	1	0	1	0		
က	6	6	4	930	16	21	2	15	0	0		600
True Label 5 4	0	1	0	8	972	6	2	0	5	6		
True 5	0	1	0	8	77	907	2	1	4	0		400
9	0	1	0	8	18	14	936	9	0	14		400
7	15	8	0	27	19	3	73	825	0	30		200
∞	8	2	1	0	2	1	1	0	982	3		200
o	4	7	0	0	11	0	2	0	29	947		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0



Model Comparison - PCA 20 components

Model	Precision	Recall	F1-Score
Decision Trees	0.8034933541106086	0.8036	0.8026952875785499
Random Forest	0.9062822424378492	0.9029	0.9023734860022741
Naive Bayes	0.7992324564308231	0.7963	0.7949260744871852
KNN	0.9247344517902896	0.920899999999998	0.9206848090229132
SVM	0.9329989500403867	0.9309	0.9305460456705269