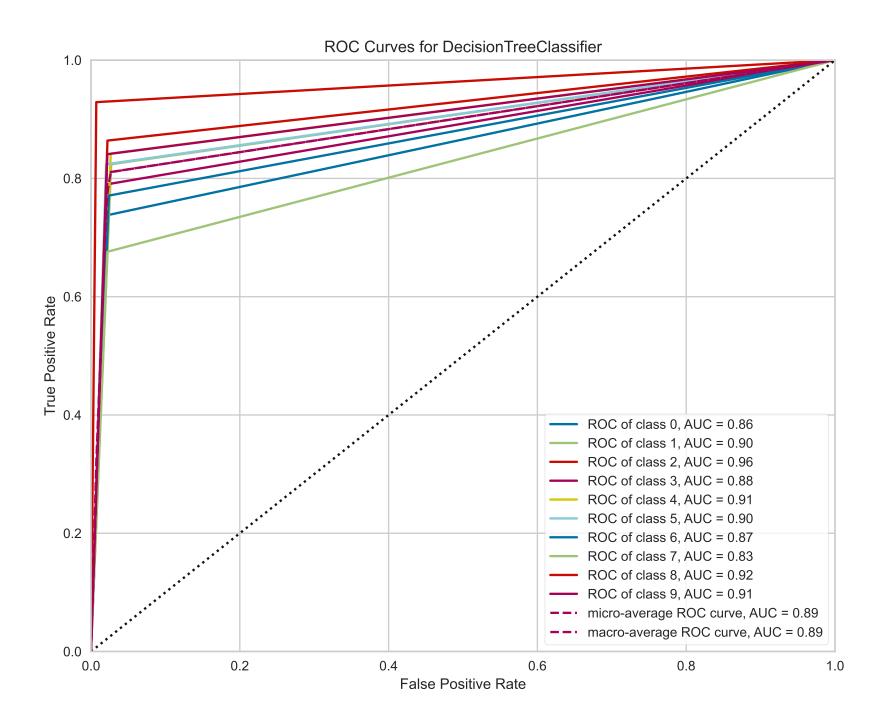
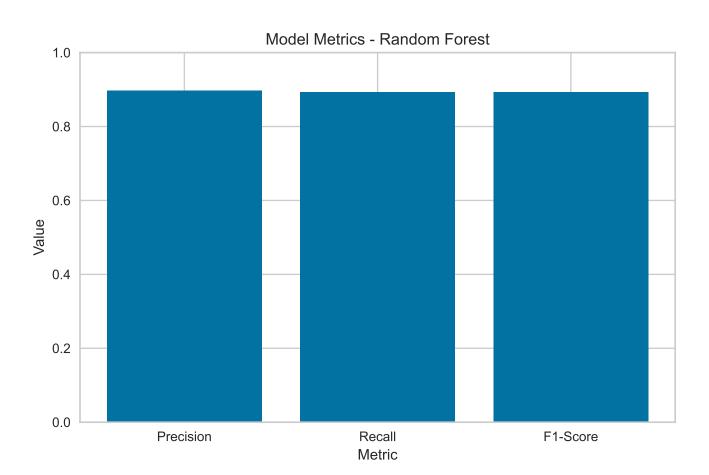


Decision Trees - Confusion Matrix

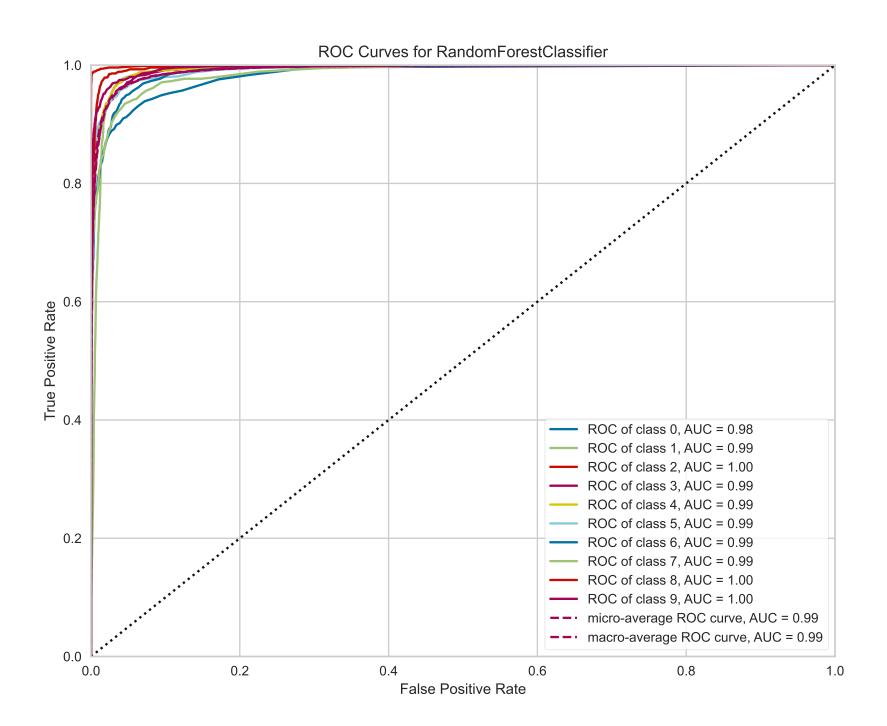
0	737	142	11	26	7	7	5	7	37	21	
~	78	824	4	26	6	15	4	5	21	17	
2	5	4	929	5	7	18	9	12	5	6	
က	17	10	11	790	39	23	19	65	10	16	
True Label 5 4	0	6	3	34	842	53	9	12	21	20	
True 5	7	9	4	12	105	824	13	6	11	9	
9	5	9	4	47	23	27	771	81	10	23	
7	5	12	9	35	25	12	147	676	15	64	
∞	45	18	14	2	7	21	5	2	864	22	
თ	7	34	4	5	20	6	6	8	69	841	
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	

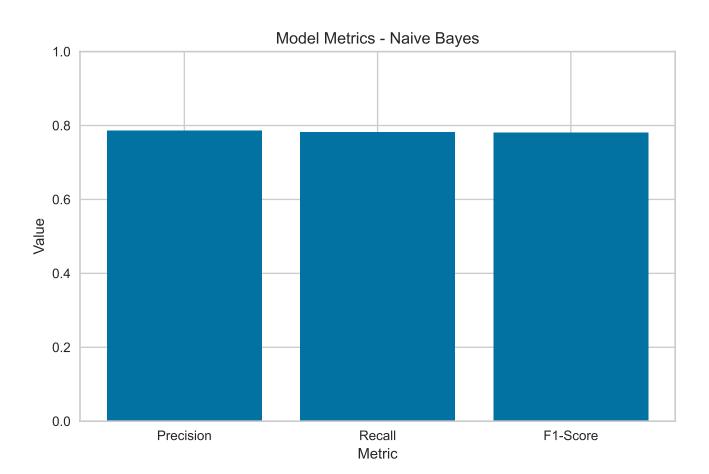




Random Forest - Confusion Matrix

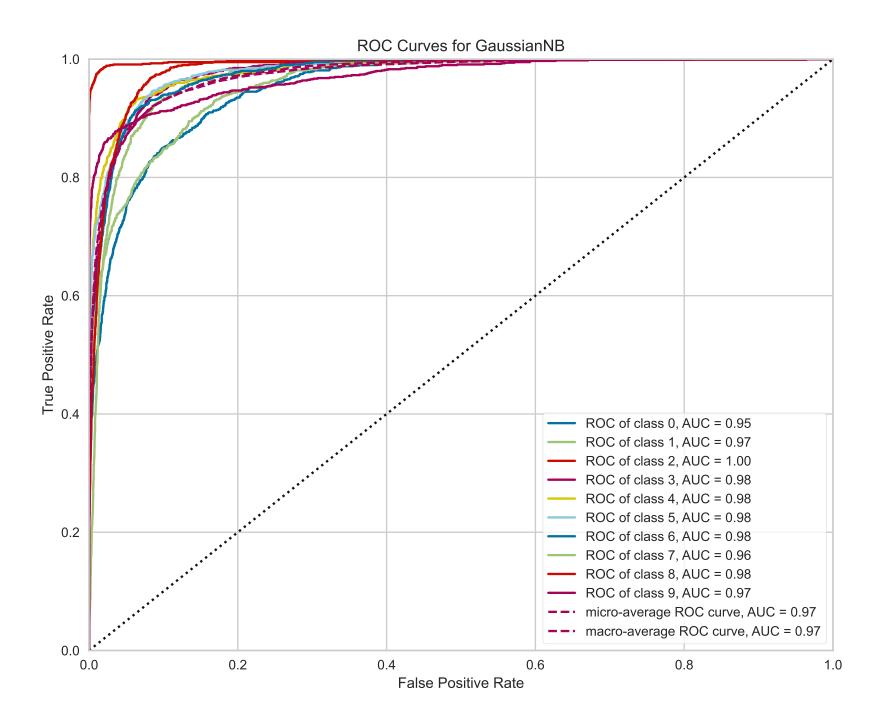
			'	· (arraorri	1 01001	Comadi	orr iviatio	`			
0	792	153	2	19	4	0	2	2	17	9	
~	18	935	0	22	3	3	1	1	10	7	800
7	4	1	984	3	0	4	1	1	2	0	
က	8	11	2	916	15	19	5	18	6	0	600
abel 4	0	1	0	16	937	25	3	3	8	7	
True Label 5 4	0	1	0	13	111	864	2	2	5	2	400
9	3	5	1	33	18	24	873	25	2	16	400
7	5	10	0	34	22	3	106	770	7	43	200
∞	16	5	1	2	2	5	3	0	964	2	200
o	5	8	0	1	12	0	7	2	61	904	
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	0

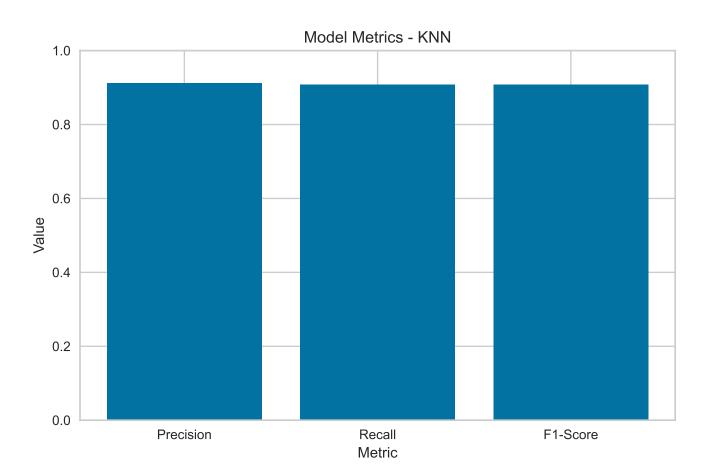




Naive Bayes - Confusion Matrix

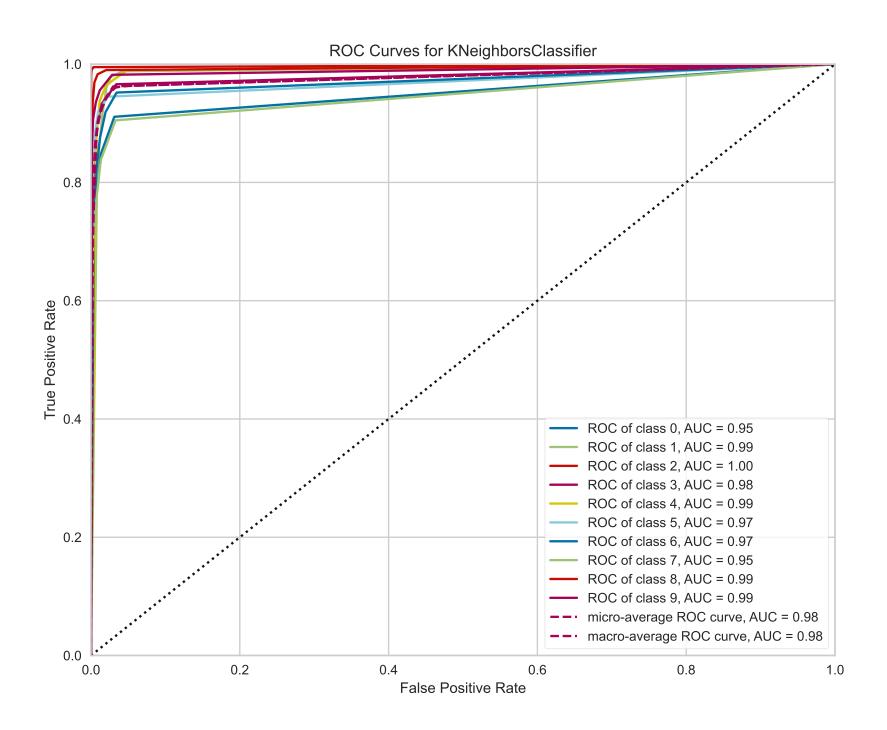
	Naive Bayes - Confidency Matrix												
0	601	239	20	46	11	0	2	14	59	8			
~	17	776	8	95	18	6	0	1	61	18			800
2	9	2	976	5	0	5	1	0	1	1			
က	17	10	3	793	37	19	32	89	0	0			600
True Label 5 4	0	1	1	17	870	44	2	23	32	10			
True 5	0	1	9	37	179	732	5	19	13	5			400
9	6	7	50	20	25	40	788	48	3	13			
7	9	17	7	51	36	1	192	672	2	13			200
∞	116	24	20	3	3	6	3	1	817	7			200
6	25	12	3	0	30	0	13	10	103	804			0
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9			0

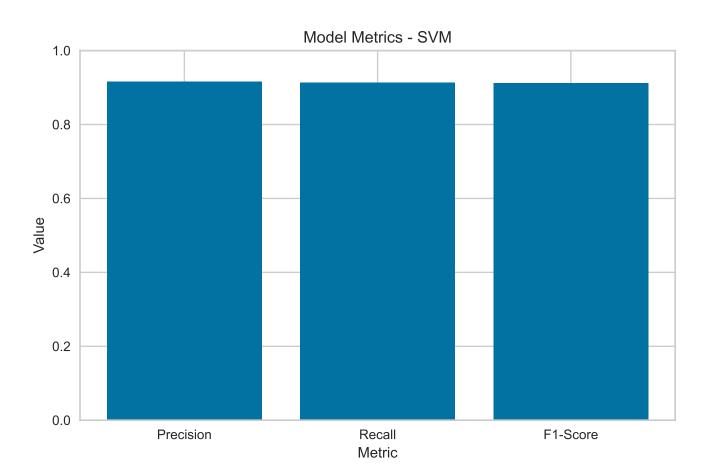




KNN - Confusion Matrix

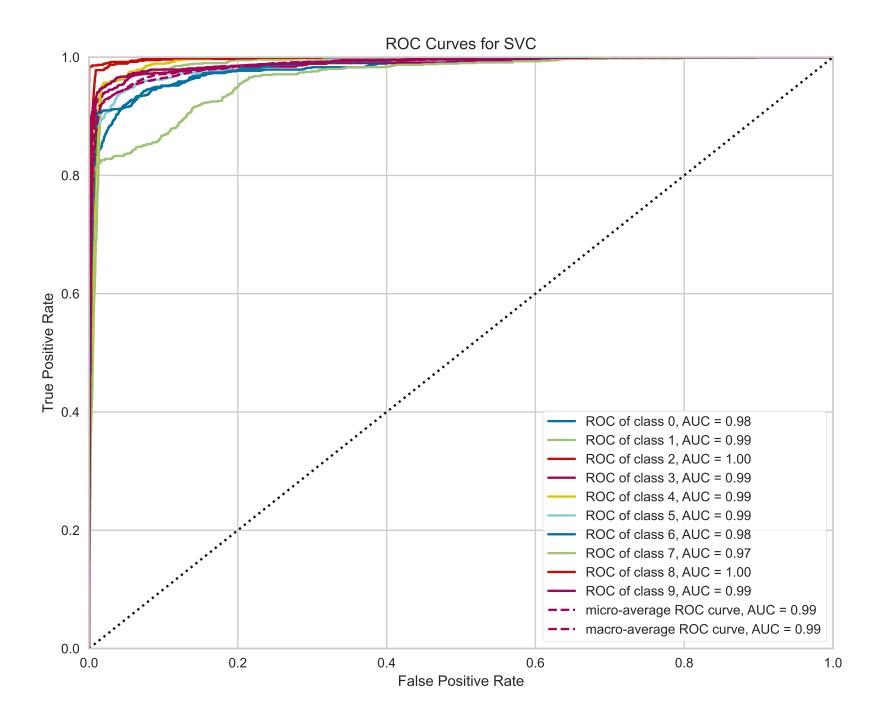
0	802	162	3	13	6	0	1	1	9	3	
~	16	964	0	4	3	0	0	1	8	4	800
2	3	1	989	2	0	2	2	0	1	0	
က	13	12	0	911	23	20	3	14	3	1	600
abel 4	0	1	0	4	970	15	1	1	3	5	000
True Label 5 4	0	0	0	9	97	888	2	1	1	2	400
9	1	1	0	28	24	8	887	40	0	11	400
7	7	7	0	34	33	4	110	769	2	34	200
∞	11	6	1	1	2	4	0	0	971	4	200
O	5	8	0	0	17	3	6	3	21	937	
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	0





SVM - Confusion Matrix

_											_	
0	826	130	1	15	6	0	0	5	13	4		
~	14	951	0	12	3	3	1	2	10	4		800
2	3	0	986	3	0	3	1	2	2	0		
က	8	7	0	918	17	16	5	27	2	0		600
abel 4	0	1	0	9	956	18	2	1	6	7		000
True Label 5 4	0	0	0	7	106	880	3	1	3	0		400
9	1	2	1	21	19	21	908	11	1	15		400
7	16	9	0	20	19	1	84	802	2	47		200
∞	6	3	1	2	2	3	1	0	977	5		200
o	5	10	0	0	9	0	5	0	42	929		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	I	0



Model Comparison - PCA 15 components

Model	Precision	Recall	F1-Score		
Decision Trees	0.809907063866449	0.8098000000000001	0.8090086426880048		
Random Forest	0.8971923335084856	0.8939	0.8932767843123735		
Naive Bayes	0.7863416289051759	0.7829	0.7813185098585779		
KNN	0.9124031518244425	0.908799999999999	0.9081884791294321		
SVM	0.9158526251235865	0.9133000000000001	0.912860592023177		