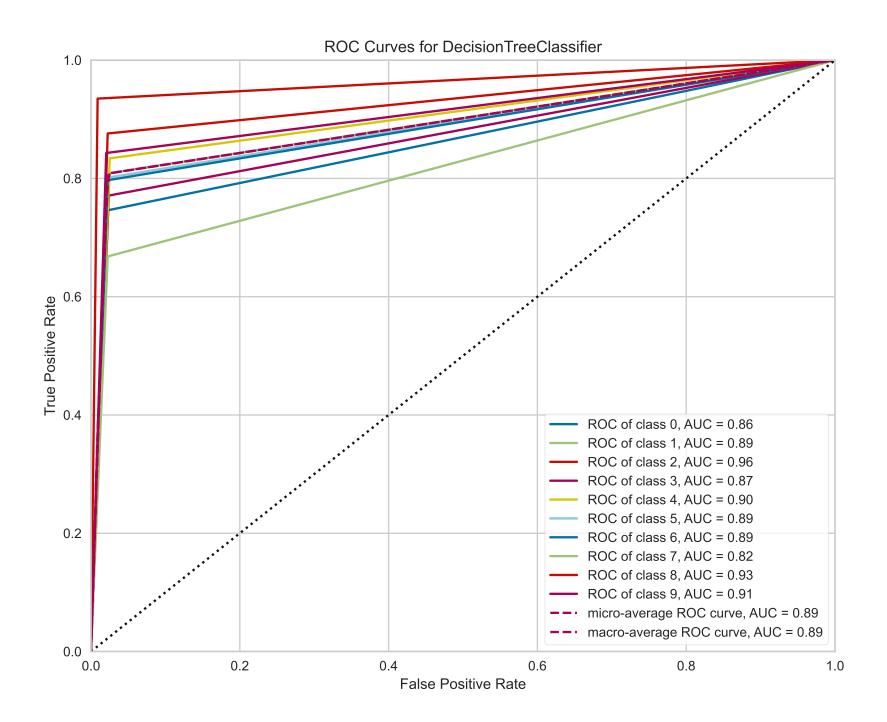
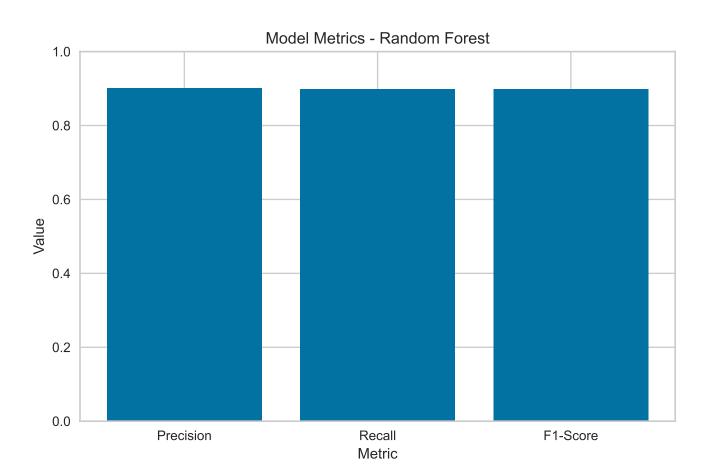


Decision Trees - Confusion Matrix

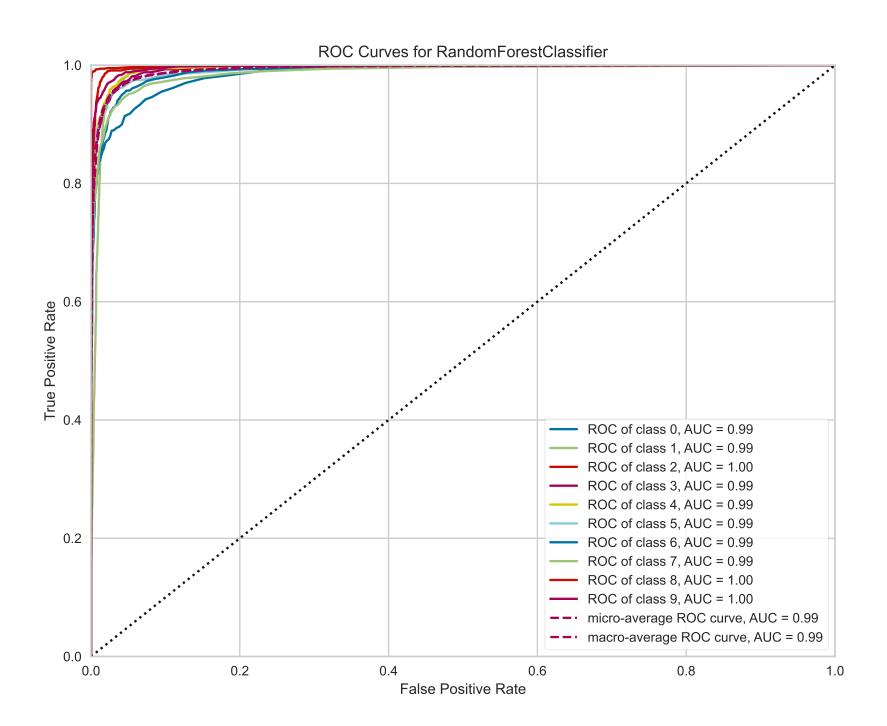
				D 0 0 10 10 1	11000	Oomaoic	iii iviatiix	•				
0	746	144	8	27	5	1	4	9	38	18		
←	94	809	8	20	2	13	6	8	24	16		800
2	4	1	935	6	1	21	13	10	6	3		
က	25	9	11	771	30	37	23	72	13	9		600
True Label 5 4	1	1	3	40	834	46	16	11	20	28		
True 5	3	1	12	26	113	801	7	11	17	9		400
9	8	8	12	33	20	29	797	71	6	16		
7	14	13	12	51	29	9	124	668	12	68		200
∞	41	16	11	8	10	17	2	2	876	17		
თ	9	32	3	4	17	10	8	8	66	843		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		

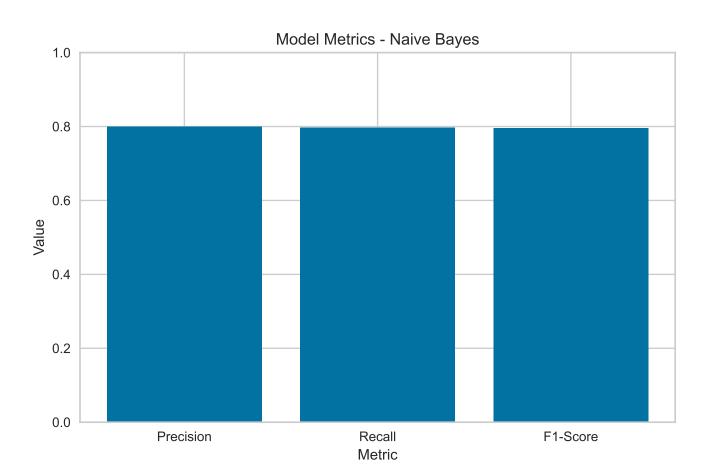




Random Forest - Confusion Matrix

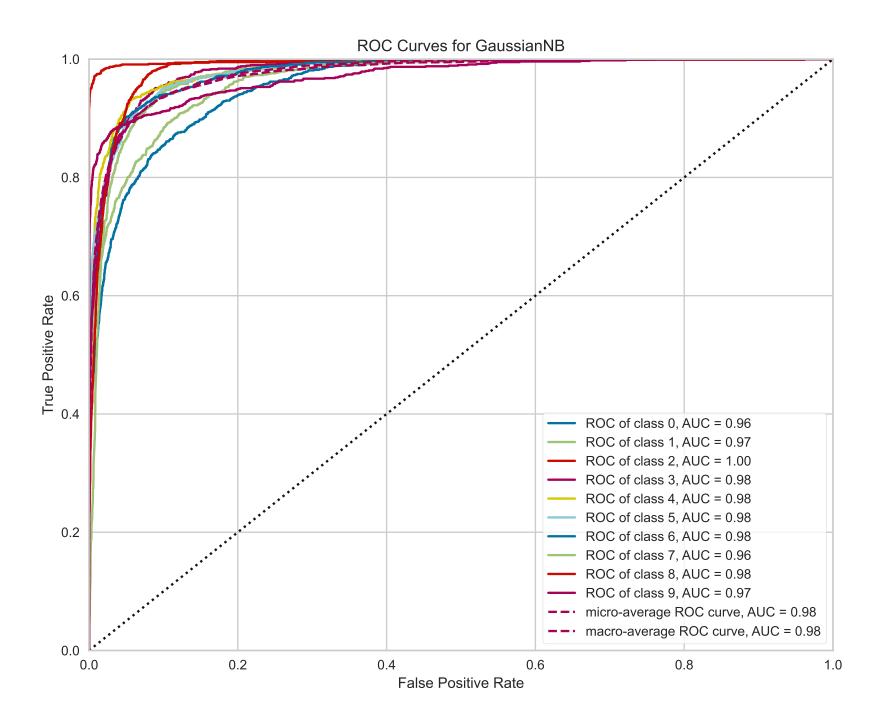
				Random	Forest -	Confusion	on Matrix	(
0	804	144	1	23	4	1	2	2	14	5		
~	15	933	1	22	7	4	0	0	10	8	800	0
7	3	0	983	2	0	9	1	0	1	1		
က	8	9	1	924	12	15	4	23	4	0	600	10
abel 4	0	1	0	18	938	20	6	3	8	6		
True Label 5 4	0	1	0	13	111	863	3	3	4	2	400	10
9	2	6	1	23	18	24	888	21	1	16		Ŭ
7	7	13	1	36	21	4	96	777	6	39	200	ın
∞	17	5	1	1	4	5	2	0	964	1	200	U
თ	3	7	0	0	13	0	9	2	53	913		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	0	

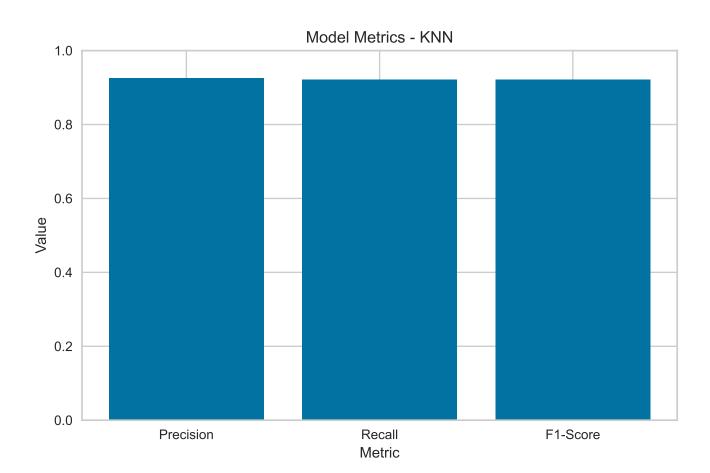




Naive Bayes - Confusion Matrix

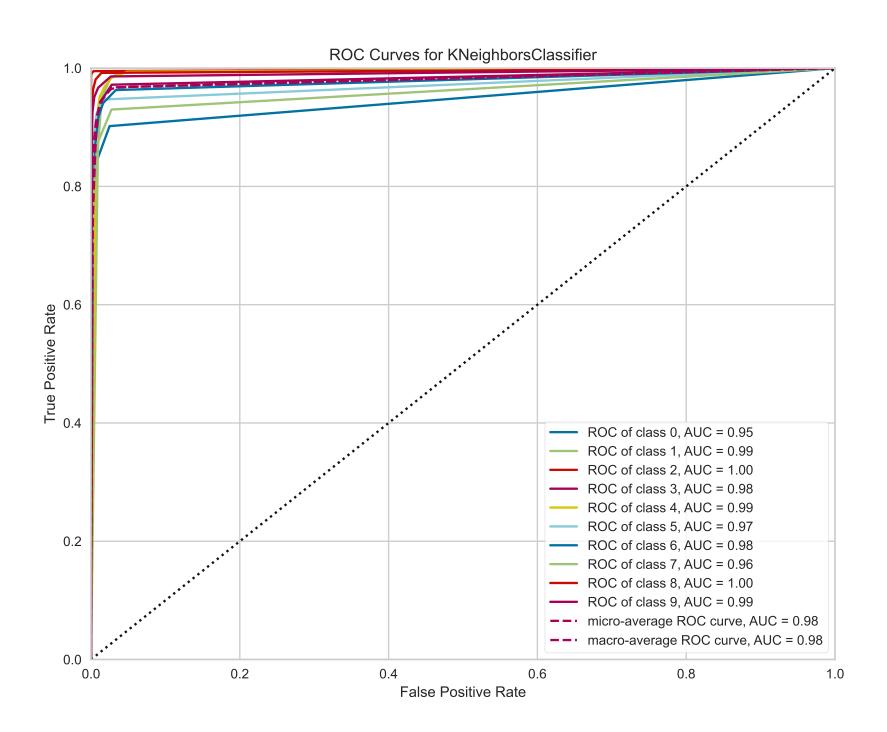
0	622	234	16	43	9	0	2	11	54	9		
~	16	805	2	89	8	6	0	3	56	15		800
2	14	1	972	4	0	5	2	1	0	1		
က	18	9	2	805	33	19	22	92	0	0		600
True Label 5 4	2	0	0	21	882	26	4	21	31	13		
True 5	0	1	5	36	178	733	4	24	16	3		400
9	7	5	36	14	25	49	808	41	1	14		
7	9	11	4	45	33	1	182	698	4	13		200
∞	99	25	25	3	2	6	1	2	827	10		
6	15	10	5	0	19	0	8	17	107	819		0
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0

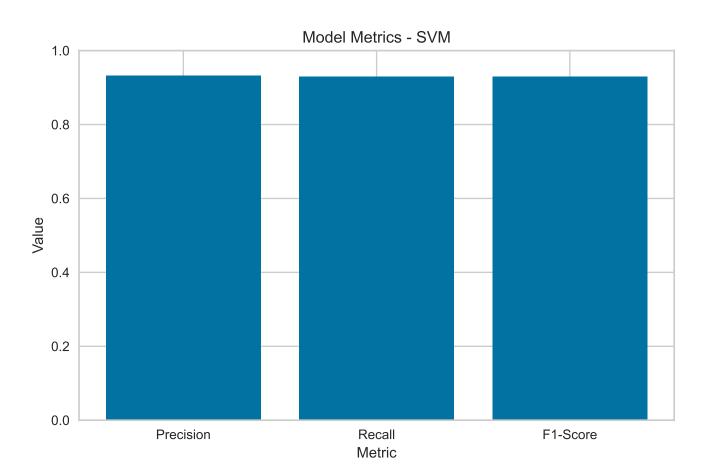




KNN - Confusion Matrix

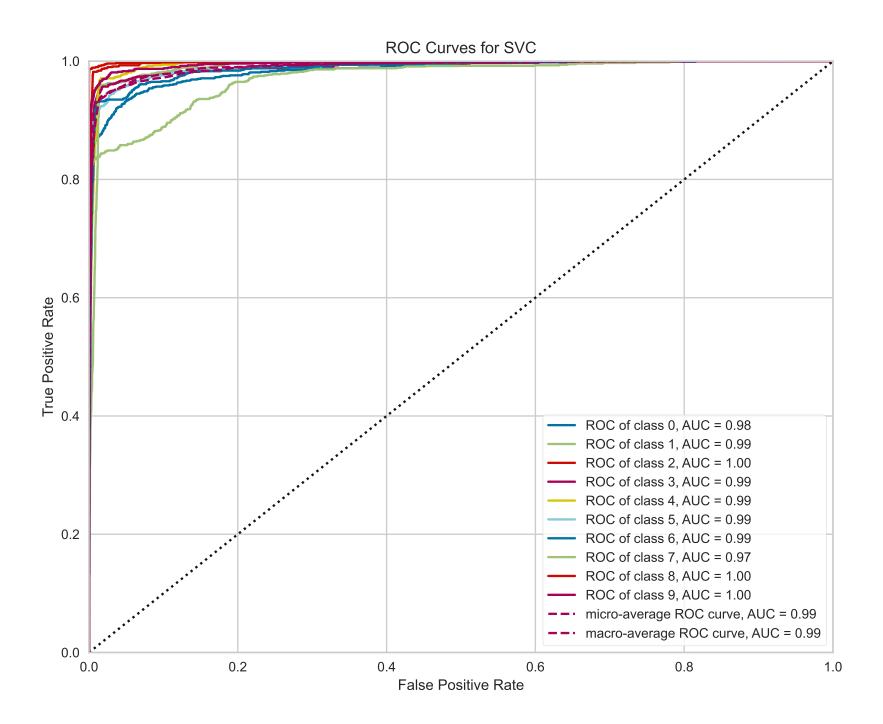
				1714	14 - 00111	usion ivic	att IX				_		
0	816	151	1	12	7	0	0	1	6	6			
~	10	969	0	7	5	0	1	1	5	2		80	00
2	2	2	989	2	0	2	3	0	0	0			
က	13	18	0	920	15	19	1	13	1	0		60	20
abel 4	0	1	0	6	974	8	3	1	3	4			,,
True Label 5 4	0	0	0	11	87	898	2	0	1	1		40	20
9	2	2	0	7	29	7	920	21	0	12		70	,,,
7	8	3	0	30	40	3	83	813	1	19		20	20
∞	17	7	3	0	3	3	0	0	965	2		20	<i>J</i> O
თ	3	7	0	0	10	3	10	3	12	952			
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0	





SVM - Confusion Matrix

_				OV	IVI - COIII	usion ivid	att i A					
0	855	112	0	14	3	0	0	3	9	4		
~	9	963	0	14	3	0	2	1	5	3		800
2	3	0	990	2	0	3	1	0	1	0		
က	6	6	3	933	16	21	2	13	0	0		600
True Label 5 4	0	1	1	8	971	6	2	0	5	6		
True 5	0	1	0	8	76	908	2	1	4	0		400
9	0	1	0	7	19	17	932	8	0	16		,00
7	15	8	0	28	18	3	73	823	1	31		200
∞	7	2	1	0	2	1	1	0	982	4		200
တ	6	7	0	0	13	0	2	0	26	946		0
	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	0.8073290693212728	0.80800000000000002	0.8070150275573147		
Random Forest	0.9018342054752877	0.8987	0.8981863952083083		
Naive Bayes	0.8003195624378133	0.7971	0.7957485286511963		
KNN	0.9254707712081416	0.9216	0.9214195021608221		
SVM	0.9324768219217587	0.930299999999999	0.9299547153508169		