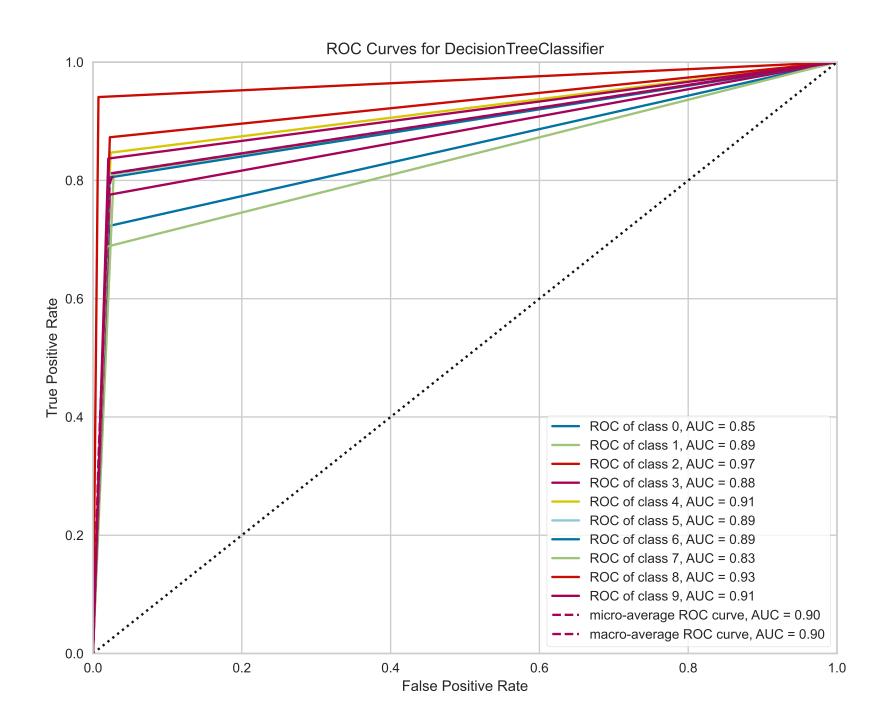
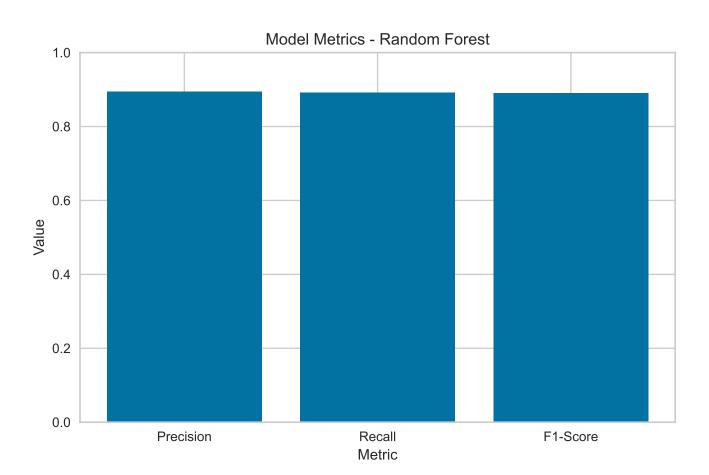


Decision Trees - Confusion Matrix

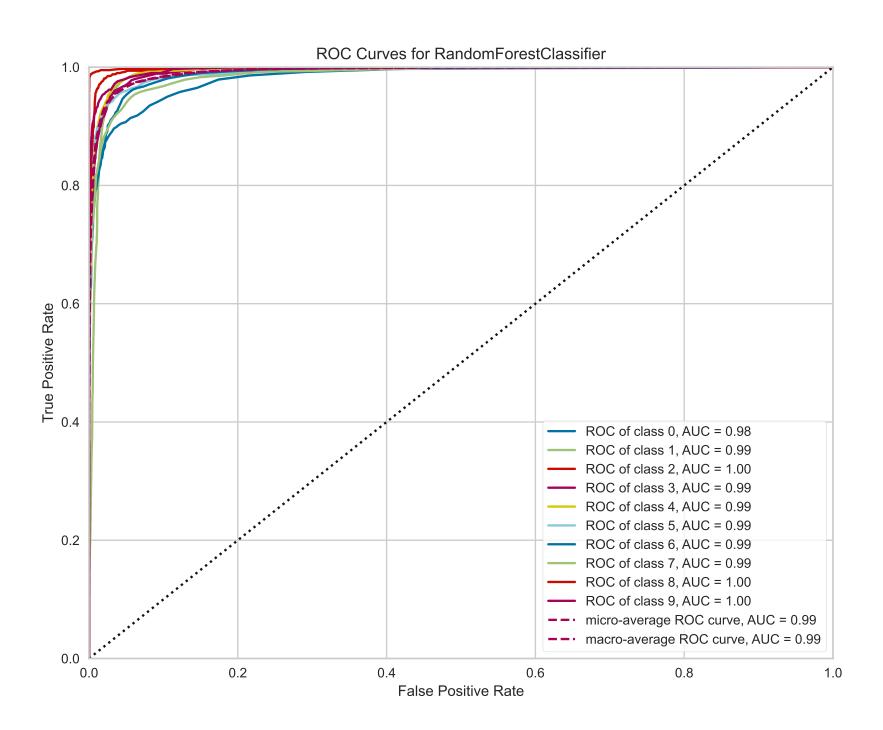
											_	
0	723	151	13	39	2	6	8	5	34	19		
-	89	811	7	18	7	16	7	2	30	13		800
7	4	3	941	10	3	16	7	6	3	7		
က	15	19	8	776	24	34	27	73	12	12		600
abel 4	0	0	2	29	847	60	12	10	19	21		
True Label 5 4	3	2	3	21	110	812	6	8	20	15		400
9	11	10	5	38	22	27	805	53	12	17		
7	14	9	7	41	24	12	126	688	11	68		200
∞	41	21	17	3	7	21	3	1	873	13		
თ	17	35	4	5	14	11	5	9	63	837		•
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0

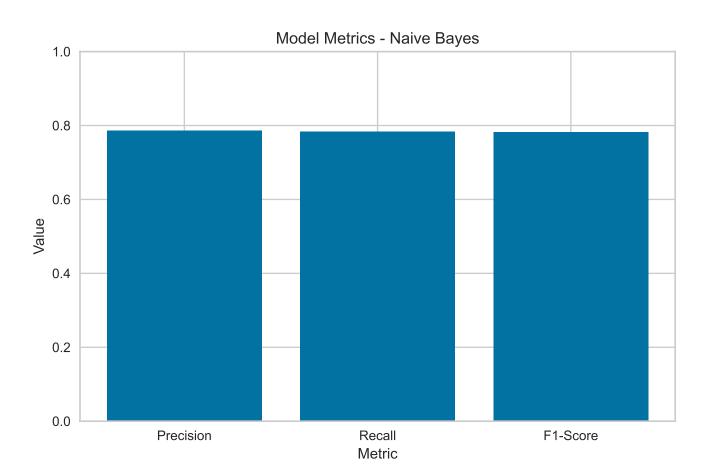




Random Forest - Confusion Matrix

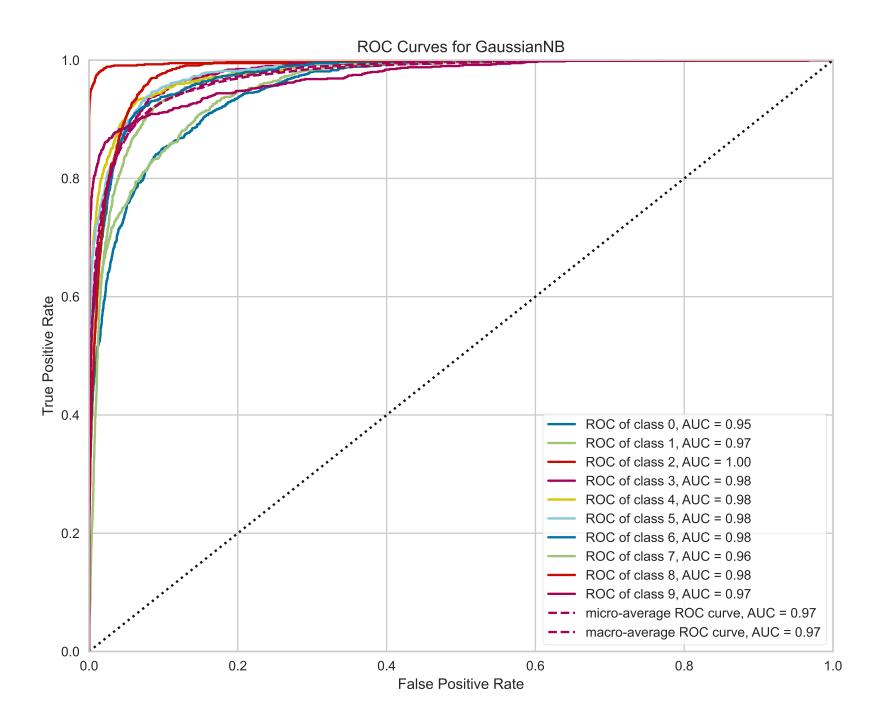
				Random	rorest -	Comusi	on wath	(
0	793	150	2	21	5	0	2	4	17	6		
~	21	922	1	26	5	2	0	1	14	8	8	00
2	4	1	981	2	0	9	1	1	1	0		
က	8	11	1	916	14	14	5	26	5	0	6	00
True Label 5 4	0	1	0	18	939	22	4	2	8	6		
True 5	0	1	0	10	110	864	2	3	6	4	4	.00
9	3	6	0	39	15	23	865	26	5	18		
7	5	12	0	43	17	5	109	759	7	43	2	00
∞	13	5	1	2	2	4	3	0	969	1	2	.00
თ	5	8	0	0	10	0	6	2	62	907		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	0	l

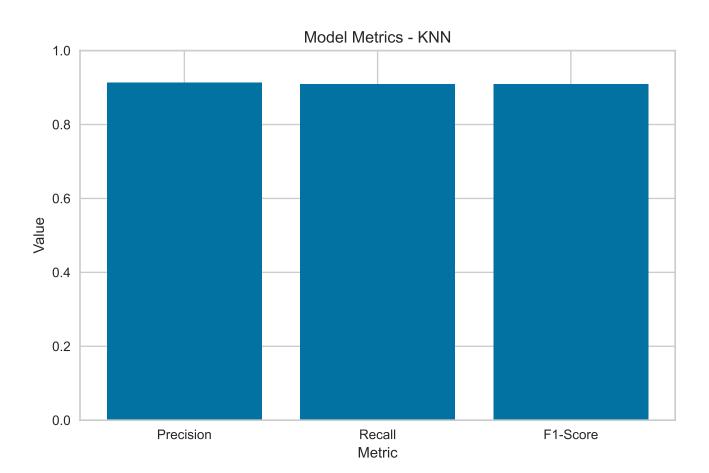




Naive Bayes - Confusion Matrix

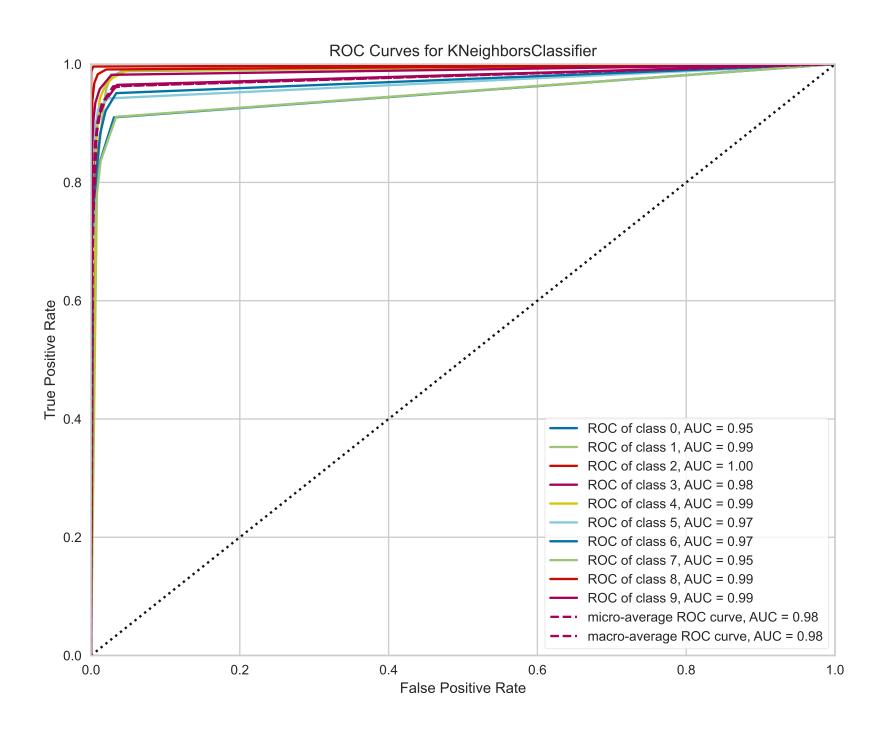
				INGIVE	Jayos - C	/OI II U 3 I O I	I Watin					
0	601	236	19	47	11	0	2	14	62	8		
~	17	776	8	96	18	6	0	1	61	17		800
7	9	2	975	5	0	6	1	0	1	1		
က	19	10	3	793	37	19	31	88	0	0		600
True Label 5 4	0	1	1	18	870	43	2	23	32	10		
True 5	0	1	9	35	178	735	5	19	13	5		400
9	6	7	51	20	25	39	787	48	4	13		
7	7	16	8	51	36	1	193	673	2	13		200
∞	115	25	19	4	3	6	3	1	817	7		200
တ	25	12	3	0	30	0	13	9	102	806		•
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0

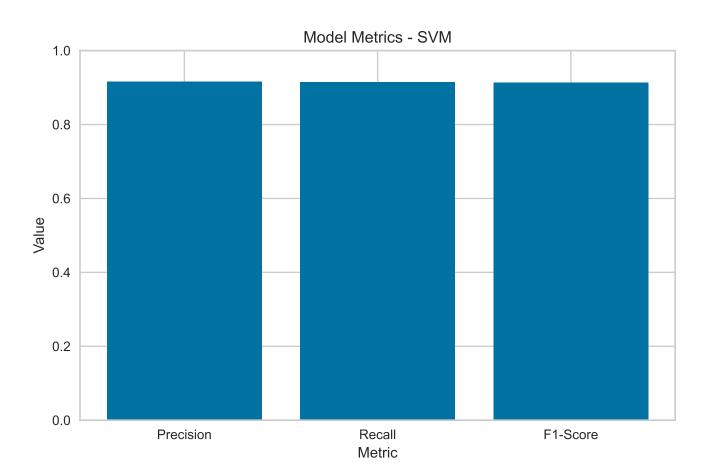




KNN - Confusion Matrix

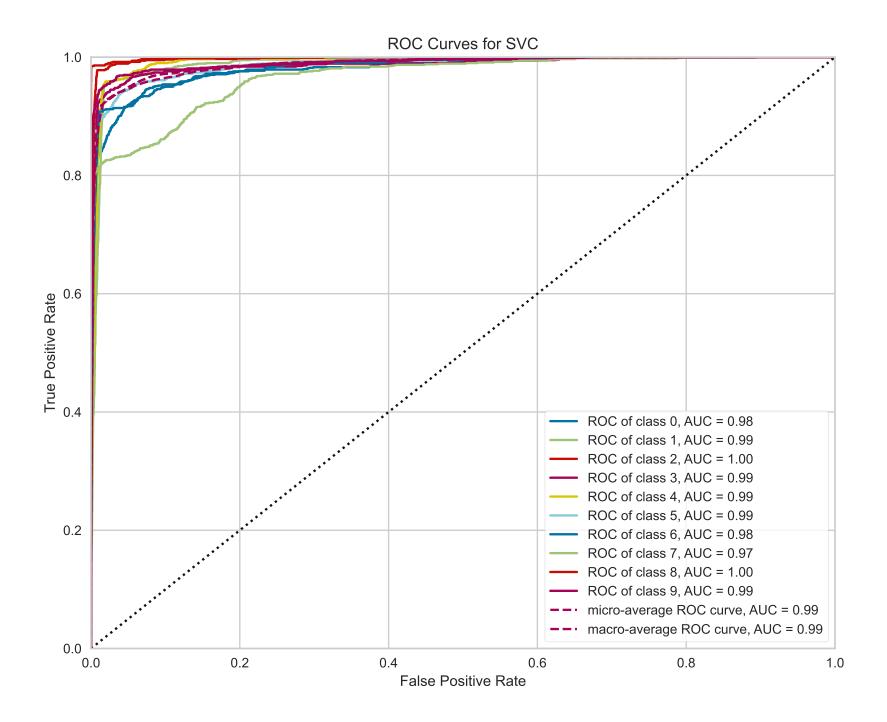
0	802	162	2	13	5	0	1	3	9	3			
~	16	964	0	4	3	0	0	1	8	4			800
2	3	1	988	2	0	3	2	0	1	0			
က	13	11	0	912	23	22	2	14	2	1			600
True Label 5 4	0	1	0	4	972	13	1	2	2	5			000
True I 5	0	0	0	8	94	892	2	1	1	2			400
9	3	1	0	24	25	8	890	39	0	10			400
7	10	6	0	38	34	4	104	774	2	28			200
∞	12	6	1	1	2	4	1	0	970	3		•	200
0	6	7	0	0	18	4	6	2	22	935			
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	1		0





SVM - Confusion Matrix

0	825	131	1	18	5	0	0	4	12	4		
~	14	952	0	12	3	2	1	3	9	4		800
2	3	0	987	3	0	3	1	1	2	0		
3	7	7	0	916	17	17	6	28	2	0		600
True Label 5 4	0	1	0	10	958	15	2	1	6	7		
True I 5	0	0	0	7	102	884	3	1	3	0		400
9	1	2	1	19	19	21	910	10	1	16		400
7	17	9	0	22	18	2	83	801	2	46		200
∞	6	3	2	1	2	3	1	0	977	5		200
6	5	9	0	0	10	0	5	0	37	934		0
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		0



Model Comparison - PCA 15 components

Model	Precision	Recall	F1-Score		
Decision Trees	0.8112610442236831	0.8113000000000001	0.8104041912085975		
Random Forest	0.8946338973693907	0.8915	0.8908046372416658		
Naive Bayes	0.7867894783142272	0.7833	0.7817510865157689		
KNN	0.9133106346029887	0.9099	0.9093253277130788		
SVM	0.9168733359118761	0.9143999999999999	0.9139256928168056		