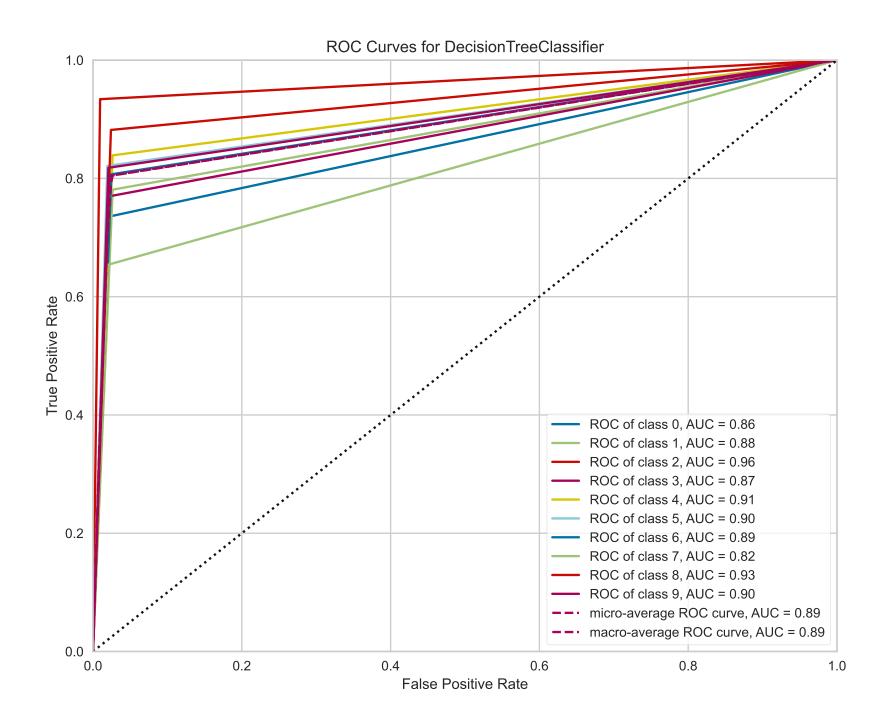
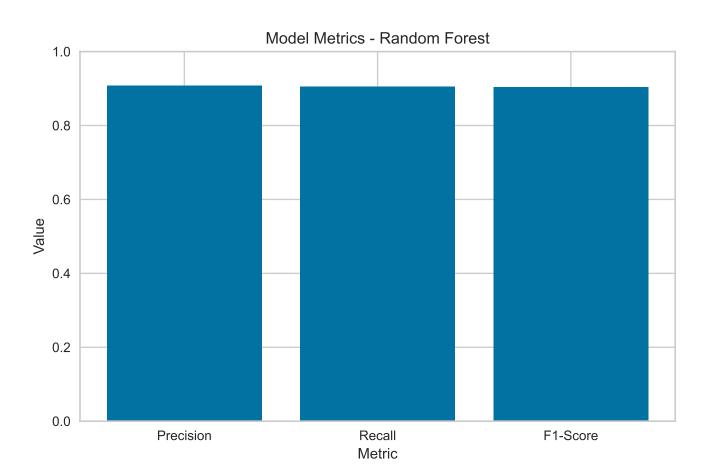


Decision Trees - Confusion Matrix

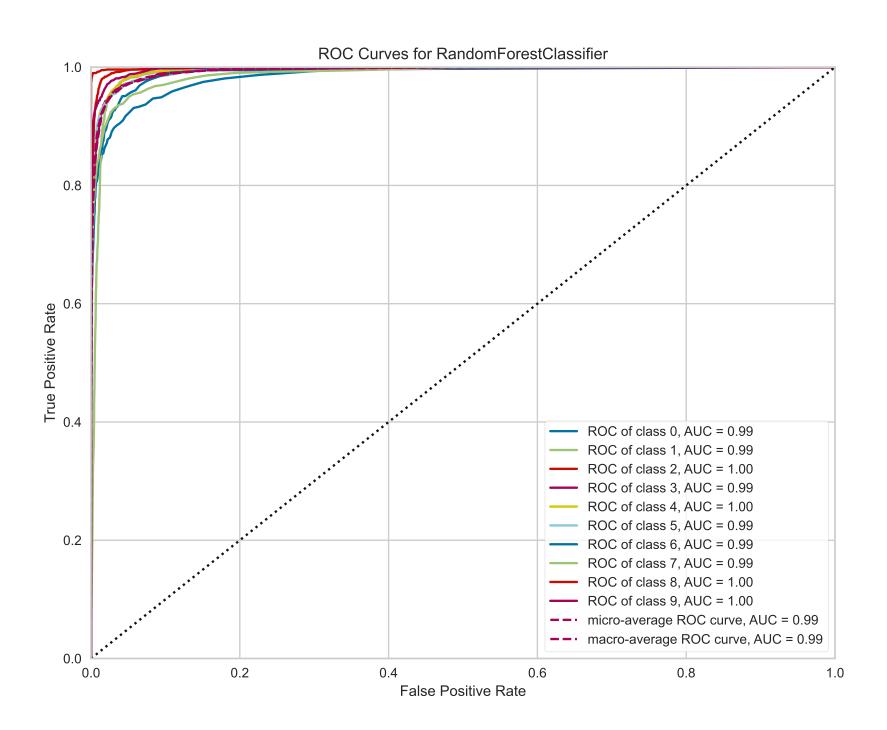
_												
0	736	142	13	24	12	5	9	9	38	12		
←	103	781	8	32	6	12	9	5	28	16		800
7	3	3	934	7	4	23	5	9	6	6		
က	16	13	16	770	41	26	31	64	10	13		600
abel 4	5	1	3	40	839	45	15	14	18	20		
True Label 5 4	7	6	9	11	99	821	4	12	22	9		400
9	8	10	11	35	19	25	807	57	9	19		
_	13	14	5	52	25	9	140	654	16	72		200
∞	34	19	12	3	9	19	2	1	882	19		
თ	23	30	9	2	22	9	8	9	70	818		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		

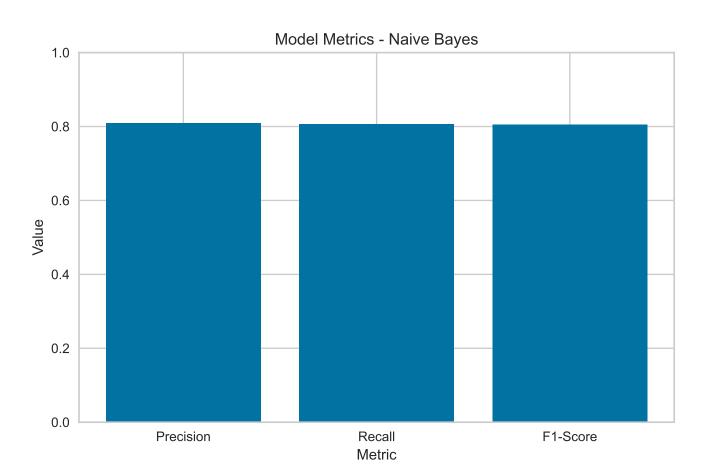




Random Forest - Confusion Matrix

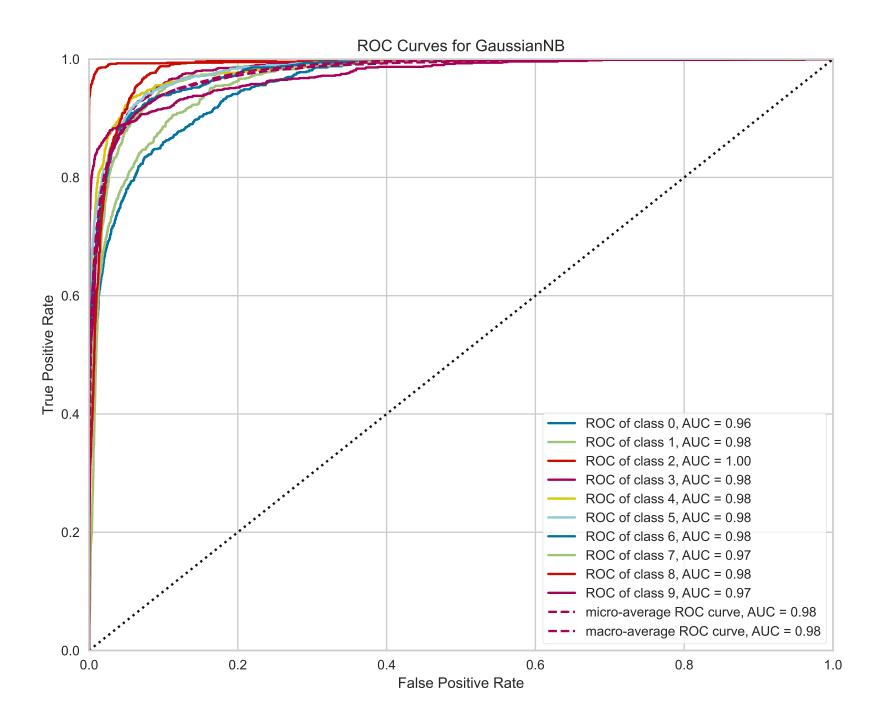
	Nandom Forest - Comusión Matrix												
0	808	144	1	21	4	0	2	4	14	2			
~	14	935	1	21	5	3	1	0	15	5			800
2	3	1	985	3	0	5	1	1	1	0			
က	7	7	1	934	9	19	4	15	4	0			600
True Label 5 4	0	1	0	21	938	19	5	3	7	6			
True 5	0	1	0	12	94	878	3	3	6	3			400
9	3	5	0	25	21	22	892	15	2	15			
7	4	8	0	32	19	3	98	785	5	46			200
∞	13	4	1	2	2	3	2	0	971	2			
o	4	3	0	1	11	0	8	2	49	922			0
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9			0

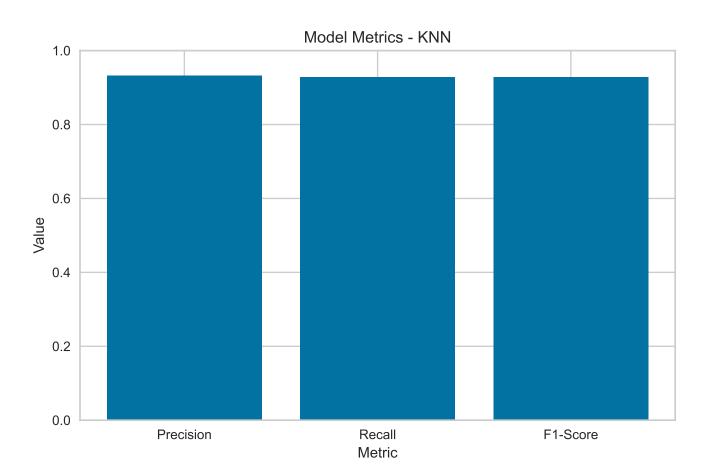




Naive Bayes - Confusion Matrix

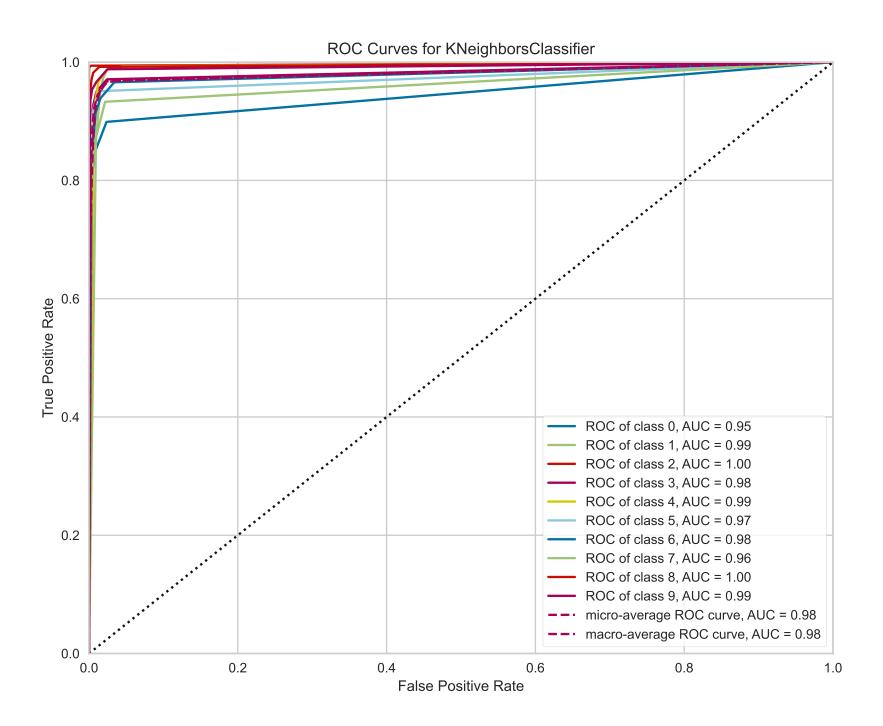
0	633	230	16	45	11	0	2	12	45	6	
~	9	825	4	88	10	4	0	1	49	10	800
2	10	1	978	3	0	4	2	1	0	1	
က	16	10	1	815	34	16	18	90	0	0	600
True Label 5 4	2	0	0	20	885	30	3	25	26	9	
True 5	0	1	5	25	161	758	5	26	16	3	400
9	5	7	39	13	24	46	807	47	0	12	
7	12	9	7	48	31	2	177	697	3	14	200
∞	93	27	19	3	2	7	1	3	837	8	
6	8	8	2	1	22	0	8	14	111	826	0
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	0

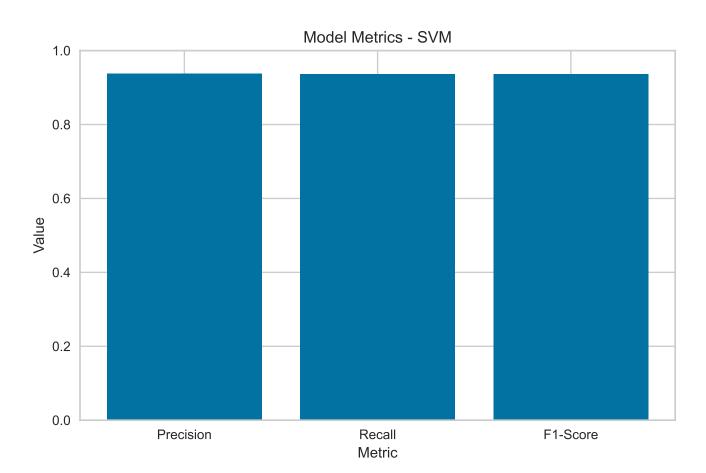




KNN - Confusion Matrix

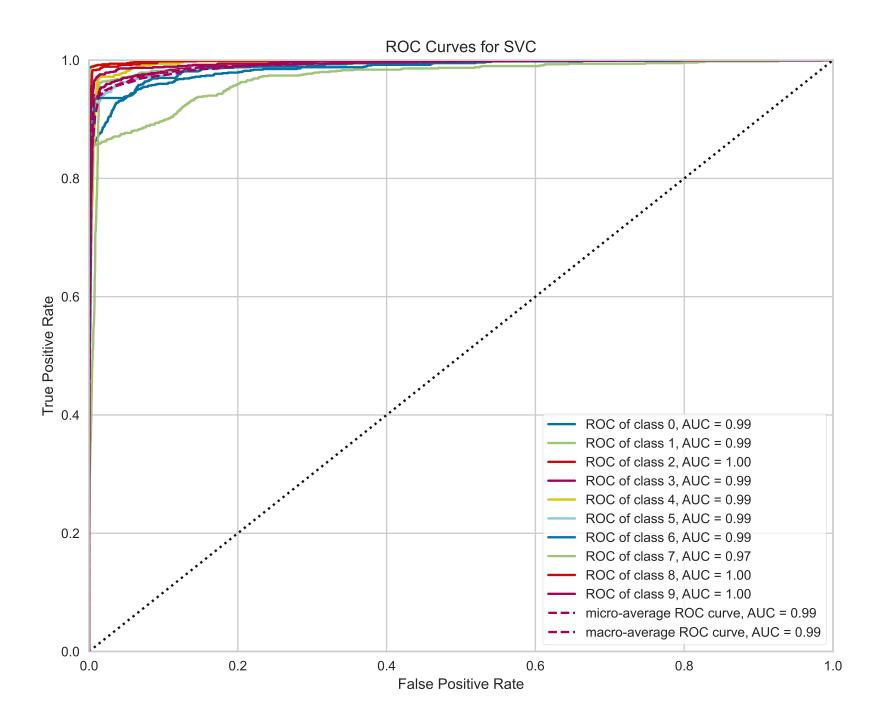
0	817	154	0	11	5	0	0	0	8	5		
←	6	979	0	3	5	0	0	0	5	2		800
7	2	1	992	1	0	2	2	0	0	0		000
က	5	16	2	935	13	15	1	12	1	0		600
True Label 5 4	0	1	0	5	981	5	2	1	1	4		000
True I 5	0	0	0	8	82	905	2	0	2	1		400
9	3	2	0	9	26	8	921	19	0	12		400
7	8	1	1	27	39	3	78	823	1	19		200
_∞	13	5	1	0	4	2	0	0	973	2		200
თ	4	6	0	0	12	2	6	2	14	954		
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9	ı	0





SVM - Confusion Matrix

				3 4 1	W - COM	usion ivid	au ix				_		
0	854	114	0	13	3	0	0	3	8	5			
~	8	963	1	13	5	0	0	1	5	4		8	800
7	4	0	990	3	0	0	1	1	1	0			
က	5	5	2	936	17	19	4	12	0	0		é	600
abel 4	1	0	0	9	974	5	2	0	4	5			300
True Label 5 4	0	1	0	5	67	920	2	0	5	0			400
9	2	0	0	7	17	18	935	6	0	15			+00
7	17	6	0	20	19	1	57	846	1	33			200
∞	6	3	1	0	2	1	1	0	983	3		4	200
o	5	6	0	0	6	0	1	0	16	966			
	0	1	2	3	4 Predicte	5 ed Label	6	7	8	9		(0



Model Comparison - PCA 25 components

Model	Precision	Recall	F1-Score
Decision Trees	0.8038081818177009	0.8042	0.8030193965574817
Random Forest	0.9078124324479191	0.9048	0.9042683674448975
Naive Bayes	0.8095728402265354	0.8061	0.8048391970873002
KNN	0.9319336437917644	0.92800000000000002	0.927764560255502
SVM	0.9385651691910877	0.9367000000000001	0.9364261004176322