Confusion Matrix (Train Size: 60.0%, K: 2) Accuracy: 0.9567

				•	icca.ac,	. 0.550	•				
0 -	1621	0	1	0	0	0	4	0	0	0	- 1750
. ⊢	- 0	1847	2	0	1	0	0	1	0	0	- 1500
7 -	- 17	27	1627	3	2	2	0	12	3	1	
Μ-	- 2	9	17	1711	0	15	1	8	9	4	- 1250
True . 4	- 3	19	0	0	1587	0	3	3	0	18	- 1000
. Ω. <u>⊢</u>	- 5	5	1	56	5	1375	12	0	3	5	- 750
9 -	- 24	5	1	1	4	9	1650	0	0	0	750
7	- 1	27	12	0	6	1	0	1714	0	12	- 500
∞ -	- 14	22	19	55	9	45	8	7	1450	10	- 250
ი -	- 11	8	2	19	50	6	1	55	4	1491	
	0	i	2	3	4 Pred	5 icted	6	7	8	9	- 0

Confusion Matrix (Train Size: 60.0%, K: 4) Accuracy: 0.9618

		_		_	ccuracy	y. 0.901	O				_	
0 -	1618	1	0	0	0	0	6	0	0	1		- 1750
Н.	- 0	1847	2	0	0	0	1	1	0	0		- 1500
۸ -	- 13	23	1612	4	2	1	4	31	3	1		
Μ.	- 3	8	9	1709	0	18	2	10	9	8		- 1250
a. 4	- 2	18	0	0	1585	0	5	2	0	21		- 1000
True 5	- 3	5	1	47	2	1382	13	0	5	9		- 750
9 -	- 20	4	1	0	3	3	1660	0	3	0		730
۲ .	- 1	30	6	0	5	0	0	1712	0	19		- 500
ω -	- 11	20	11	33	7	33	8	3	1496	17		- 250
ი .	- 8	7	3	16	23	7	2	40	3	1538		
	Ó	i	2	3	4 Pred	5 icted	6	7	8	9		- 0

Confusion Matrix (Train Size: 60.0%, K: 5) Accuracy: 0.9620

				_	ccuracy	7. 0.902	U				_	
0 -	1616	0	0	0	0	1	8	0	0	1		- 1750
Н -	0	1845	2	0	0	0	3	1	0	0		- 1500
7 -	12	25	1604	4	2	2	3	34	6	2		
m -	4	7	9	1701	0	23	1	12	9	10		- 1250
ə. 4 -	3	18	0	0	1570	0	6	3	0	33		- 1000
True 5	4	7	1	35	5	1380	19	1	5	10		- 750
9 -	14	4	1	0	2	3	1668	0	2	0		730
7 -	1	30	4	0	3	0	0	1712	0	23		- 500
ω -	9	20	6	27	10	28	7	3	1511	18		- 250
ი -	7	9	2	17	14	5	2	31	6	1554		
	Ó	i	2	3	4 Pred	5 icted	6	7	8	9		- 0

Confusion Matrix (Train Size: 60.0%, K: 6) Accuracy: 0.9598

		_		•	(cca, ac)	. 0.555	•				_		
0	- 1618	0	0	0	0	1	6	0	0	1		- 175	0
П	- 0	1845	3	0	0	0	2	1	0	0		- 150	0
2	- 12	27	1603	5	2	1	3	32	8	1			
m	- 4	8	8	1705	0	20	2	12	9	8		- 125	0
Je 4	- 2	19	0	0	1571	0	8	2	0	31		- 100	0
True 5	- 5	9	1	36	4	1379	18	0	4	11		- 750	
9	- 21	5	1	0	2	2	1660	0	3	0		730	
7	- 1	32	5	0	3	0	0	1711	0	21		- 500	
∞	- 7	26	6	35	13	33	7	2	1493	17		- 250	
6	- 9	9	2	17	19	6	2	38	5	1540			
	Ó	1	2	3	4 Pred	5 icted	6	7	8	9		- 0	

Confusion Matrix (Train Size: 60.0%, K: 7) Accuracy: 0.9602

				-			_				
0	- 1617	1	0	0	0	1	6	0	0	1	- 1750
1	- 0	1845	2	0	0	0	3	1	0	0	- 1500
2	- 11	29	1595	6	2	1	4	37	7	2	
m	- 4	8	8	1695	1	25	2	14	9	10	- 1250
<u>е</u> 4	- 3	19	0	0	1563	0	8	2	0	38	- 1000
True 5	- 6	7	1	30	4	1382	21	2	2	12	- 750
9	- 14	4	0	0	2	4	1668	0	2	0	730
7	- 1	32	3	0	2	0	0	1708	0	27	- 500
œ	- 8	23	6	29	12	28	8	2	1502	21	- 250
6	- 8	10	2	15	13	7	2	27	6	1557	
	0	i	2	3	4 Pred	5 icted	6	7	8	9	- 0

Confusion Matrix (Train Size: 60.0%, K: 10) Accuracy: 0.9577

								-					
	0 -	1616	1	0	0	0	1	7	0	0	1		- 1750
	н -	0	1846	2	0	0	0	3	0	0	0		- 1500
	6 -	13	35	1579	6	4	2	6	35	9	5		
	m -	4	10	7	1697	1	21	1	15	10	10		- 1250
e	4 -	2	21	0	0	1565	0	9	2	0	34		- 1000
True	ი -	4	10	0	31	6	1381	20	2	1	12		- 750
	9 -	17	5	1	0	4	3	1661	0	3	0		730
	۲-	1	36	3	0	4	0	0	1706	0	23		- 500
	∞ -	7	26	6	31	9	32	9	3	1493	23		- 250
	ი -	9	11	4	18	13	5		35	4	1545		
		0	i	2	3	4 Pred	5 icted	6	7	8	9		- 0

Confusion Matrix (Train Size: 70.0%, K: 2) Accuracy: 0.9600

					ccaracy	7. 0.500	O				_	
0 -	1197	0	0	0	0	0	3	0	0	0		
Н -	. 0	1387	1	0	1	0	0	0	0	0		- 1200
- 2	15	20	1240	3	1	1	1	10	3	0		- 1000
m -	1	6	15	1305	0	9	1	6	9	3		
ə. 4 -	- 2	13	0	0	1190	0	4	3	0	11		- 800
True 5	1	3	0	36	4	1031	5	0	2	3		- 600
9 -	13	2	1	1	4	7	1228	0	0	0		
7 -	. 0	24	9	0	3	1	0	1311	0	11		- 400
∞ -	5	13	14	35	3	35	6	5	1085	8		- 200
ი -	. 8	4	1	16	36	3	0	38	2	1123		
	0	1	2	3	4 Pred	5 icted	6	7	8	9		- 0

Confusion Matrix (Train Size: 70.0%, K: 4) Accuracy: 0.9632

				-			_					
0 -	- 1196	0	0	0	0	0	4	0	0	0		
Н.	- 0	1386	1	0	0	0	2	0	0	0	- 12	200
7	- 13	16	1229	4	3	1	2	22	3	1	- 10	000
Μ.	- 1	6	10	1300	0	12	2	9	9	6		
e. 4	- 2	12	0	0	1186	0	4	2	0	17	- 80	00
True 5	- 1	2	0	31	0	1037	8	0	1	5	- 60	00
9 -	- 13	3	1	0	3	6	1230	0	0	0		
7	- 0	27	3	0	3	0	0	1311	0	15	- 40	00
ω -	- 5	13	7	21	3	28	5	2	1115	10	- 20	00
თ -	- 8	3	2	13	24	1	1	31	1	1147		
	0	1	2	3	4 Pred	5 icted	6	7	8	9	- 0	

Confusion Matrix (Train Size: 70.0%, K: 5) Accuracy: 0.9656

				,	(ccarac)	7. 0.505	O				
0 -	1196	0	0	0	0	0	4	0	0	0	
⊣ -	- 0	1384	1	0	0	0	4	0	0	0	- 1200
- 2	- 10	19	1223	4	2	2	2	28	4	0	- 1000
m -	- 3	5	9	1299	0	14	2	8	7	8	
ы 4 -	- 2	11	0	0	1182	0	4	2	0	22	- 800
True 5	- 1	3	0	30	1	1034	11	0	1	4	- 600
ဖ -	- 9	3	1	0	1	2	1239	0	1	0	
۲ -	- 0	26	2	0	2	0	0	1311	0	18	- 400
∞ -	- 2	14	3	19	3	20	5	2	1127	14	- 200
თ -	- 8	3	1	13	13	1	0	18	2	1172	
	0	i	2	3	4 Pred	5 icted	6	7	8	9	- 0

Confusion Matrix (Train Size: 70.0%, K: 6) Accuracy: 0.9625

		_		•	(ccarac)	. 0.302	_				_	
0 -	1197	0	0	0	0	0	3	0	0	0		
⊢ -	- 0	1384	1	0	0	0	4	0	0	0		- 1200
7 -	- 13	19	1225	4	2	1	2	26	2	0		- 1000
ო -	- 3	7	11	1296	0	13	1	9	8	7		
e. 4 -	- 2	12	0	0	1185	0	4	2	0	18		- 800
True 5	- 2	4	0	27	0	1035	9	0	2	6		- 600
9 -	- 15	3	1	0	1	5	1230	0	1	0		
7	- 0	29	3	0	2	0	0	1310	0	15		- 400
∞ -	- 2	19	3	22	7	24	6	2	1113	11		- 200
ი -	- 8	3	1	14	19	1	0	29	2	1154		
	Ó	1	2	3	4 Pred	5 icted	6	7	8	9		- 0

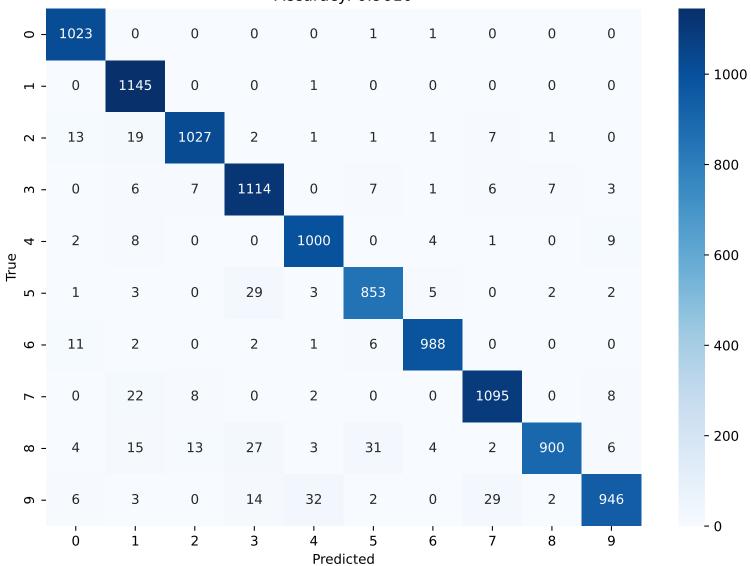
Confusion Matrix (Train Size: 70.0%, K: 7) Accuracy: 0.9633

				•	icca. ac	,. 0.505	_					
0 -	- 1196	0	0	0	0	0	4	0	0	0		
₩.	- 0	1384	1	0	0	0	4	0	0	0	- 1	1200
7	- 10	19	1218	6	2	1	2	31	4	1	- 1	1000
ω.	- 4	7	9	1292	0	14	1	11	8	9		
a. 4 .	2	12	0	0	1176	0	5	2	0	26	- 8	300
True 5	- 2	2	0	24	1	1033	12	1	2	8	- 6	500
9 -	- 10	3	1	0	1	4	1236	0	1	0		
7	- 0	28	3	0	2	0	0	1311	0	15	- 2	400
∞ -	- 1	18	4	19	5	20	5	1	1122	14	- 2	200
თ -	- 8	3	2	13	11	1	0	20	2	1171		
	0	1	2	3	4 Pred	5 icted	6	7	8	9	- ()

Confusion Matrix (Train Size: 70.0%, K: 10) Accuracy: 0.9609

					ccuracy	7. 0.500	9				
0 -	1196	0	0	0	0	0	4	0	0	0	
Н -	0	1384	1	0	0	0	4	0	0	0	- 1200
- 2	13	24	1211	5	3	2	4	24	7	1	- 1000
m -	4	8	7	1295	0	13	1	12	8	7	
ə. 4 -	2	14	0	0	1175	0	6	2	0	24	- 800
True 5	2	4	0	26	2	1028	13	1	1	8	- 600
9 -	10	3	1	0	2	2	1236	0	2	0	
~ -	0	30	2	0	3	0	0	1306	0	18	- 400
∞ -	1	20	4	20	7	24	7	1	1110	15	- 200
ი -	8	4	4	13	9	0	1	23	2	1167	
	0	i	2	3	4 Pred	5 icted	6	7	8	9	- 0

Confusion Matrix (Train Size: 75.0%, K: 2) Accuracy: 0.9610



Confusion Matrix (Train Size: 75.0%, K: 4) Accuracy: 0.9649

Accuracy. 0.3043													
0 -	1023	0	0	0	0	0	2	0	0	0			
Н -	0	1144	0	0	0	0	2	0	0	0		- 1	000
- 2	10	15	1021	3	3	1	2	15	1	1		0	00
m -	. 1	7	3	1110	0	8	2	7	8	5		- 8	00
True 4	2	8	0	0	996	0	3	1	0	14		- 6	00
고	. 1	2	0	21	0	861	8	0	1	4			
9 -	- 11	3	0	0	1	7	988	0	0	0		- 4	00
۲ -	. 0	26	3	0	1	0	0	1093	0	12			
ω -	4	14	5	19	2	25	3	1	925	7		- 2	00
ი -	4	3	2	12	18	2	1	21	1	970			
	Ó	1	2	3	4 Pred	5 icted	6	7	8	9		- 0	1

Confusion Matrix (Train Size: 75.0%, K: 5) Accuracy: 0.9667

				, ,	eca, ac	. 0.500	•					
0	- 1022	0	0	0	0	0	3	0	0	0		
П	- 0	1143	0	0	0	0	3	0	0	0	-	1000
2	- 9	17	1014	3	2	2	2	22	1	0		200
М	- 2	5	4	1110	0	10	2	6	5	7		800
True 4	- 2	7	0	0	993	0	3	1	0	18	_	600
7 ₹	- 2	2	0	19	1	861	9	0	1	3		
9	- 8	2	0	0	0	2	997	0	1	0	_	400
7	- 0	26	2	0	2	0	0	1088	0	17		
œ	- 1	14	2	18	3	18	4	1	936	8	-	200
6		3	1	12	10	0	0	14	2	986		0
	0	1	2	3	4 Pred	5 icted	6	7	8	9	_	0

Confusion Matrix (Train Size: 75.0%, K: 6) Accuracy: 0.9647

Accuracy. 0.3047												
0 -	1022	0	0	0	0	0	3	0	0	0		
Н -	0	1143	0	0	0	0	3	0	0	0		- 1000
- 2	12	16	1016	3	1	1	2	20	1	0		900
κ -	2	5	6	1108	0	9	2	6	6	7		- 800
True 4	2	8	0	0	996	0	3	1	0	14		- 600
고 -	1	3	0	18	0	862	7	0	2	5		
9 -	14	4	0	0	0	3	988	0	1	0		- 400
	0	27	3	0	2	0	0	1092	0	11		
ω -	1	20	3	19	4	21	4	1	926	6		- 200
ი -	6	3	1	11	14	1	0	20	2	976		
	0	i	2	3	4 Pred	5 icted	6	7	8	9		- 0

Confusion Matrix (Train Size: 75.0%, K: 7) Accuracy: 0.9643

Accuracy. 0.9043														
0	· -	1023	0	0	0	0	0	2	0	0	0			
П	ı –	0	1143	0	0	0	0	3	0	0	0		-	1000
7	ı -	9	16	1011	5	1	1	2	23	3	1			800
Μ	. –	3	5	5	1103	0	11	2	7	6	9			800
True 4	· _	2	8	0	0	986	0	4	1	0	23		_	600
7 Tr	. –	1	2	0	16	1	860	11	0	2	5			
9	. –	9	3	0	0	0	3	994	0	1	0		-	400
7	. –	0	26	3	0	2	0	0	1091	0	13			
∞	. –	1	19	4	18	4	18	4	1	927	9		_	200
<u>ი</u>	. –	6	3	1	11	10	1	0	13	2	987			
		Ó	1	2	3	4 Pred	5 icted	6	7	8	9		_	0

Confusion Matrix (Train Size: 75.0%, K: 10) Accuracy: 0.9620

Accuracy. 0.3020													
0 -	1022	0	0	0	0	0	3	0	0	0			
	0	1142	0	0	1	0	3	0	0	0		- :	1000
- 2	11	22	1001	4	2	2	4	20	5	1			800
m -	3	7	4	1106	0	8	1	9	6	7			600
True 4	2	10	0	0	988	0	5	2	0	17		- (600
고 -	2	3	0	18	2	853	12	1	1	6			
9 -	11	3	0	0	0	2	993	0	1	0		- 4	400
۲ -	0	28	2	0	2	0	0	1091	0	12			
ω -	1	19	3	17	6	19	5	1	924	10		- 2	200
ი -	5	4	3	11	7	2	1	18	2	981			•
	Ó	1	2	3	4 Pred	5 icted	6	7	8	9		- (U

Confusion Matrix (Train Size: 80.0%, K: 2) Accuracy: 0.9621

	Accuracy. 0.9021												
0	- 814	0	0	0	0	1	1	0	0	0			
1	- 0	908	0	0	1	0	0	0	0	0		- 800	
2	- 10	16	809	1	1	1	1	7	0	0			
m	- 0	4	7	907	0	7	0	6	4	2		- 600	
Je 4	- 1	6	0	0	822	0	2	1	0	7			
True 5	- 0	2	0	21	1	670	5	0	1	2		- 400	
9	- 8	0	0	0	0	4	773	0	0	0			
7	- 0	15	6	0	3	0	0	863	0	6		- 200	
∞	- 3	13	13	21	2	27	3	2	745	6			
6	- 4	3	0	10	19	2	0	27	2	771			
	Ó	i	2	3	4 Pred	5 icted	6	7	8	9		- 0	

Confusion Matrix (Train Size: 80.0%, K: 4) Accuracy: 0.9644

	Accuracy. 0.9044												
0	- 813	0	0	0	0	0	3	0	0	0			
П	- 0	907	0	0	0	0	2	0	0	0		- 800	
2	- 6	14	805	3	2	1	1	13	0	1			
٣	- 1	6	3	901	0	8	1	6	7	4		- 600	
Je 4	- 1	7	0	0	816	0	3	1	0	11			
True 5	- 0	1	0	18	0	671	8	0	1	3		- 400	
9	- 8	1	0	0	0	5	771	0	0	0			
7	- 0	18	3	0	1	0	0	862	0	9		- 200	
∞	- 1	12	5	14	2	23	4	1	766	7			
6	- 2	3	3	9	12	1	0	18	1	789			
	Ó	1	2	3	4 Pred	5 icted	6	7	8	9		- 0	

Confusion Matrix (Train Size: 80.0%, K: 5) Accuracy: 0.9649

Accuracy. 0.9049													
0 -	812	0	0	0	0	0	4	0	0	0			
⊣ -	. 0	906	0	0	0	0	3	0	0	0		- 800	
7 -	- 6	15	796	3	2	2	1	20	1	0			
m -	. 2	4	4	900	0	9	1	6	5	6		- 600	
ə. 4 -	1	5	0	0	811	0	3	1	0	18			
True 5 -	1	2	0	15	1	669	9	0	1	4		- 400	
9 -	5	0	0	0	0	3	777	0	0	0			
	0	18	2	0	1	0	0	857	0	15		- 200	
ω -	1	12	2	12	3	15	4	1	777	8			
თ -	3	3	1	10	6	1	0	12	2	800			
	Ó	i	2	3	4 Pred	5 icted	6	7	8	9		- 0	

Confusion Matrix (Train Size: 80.0%, K: 6) Accuracy: 0.9637

	Accuracy. 0.9037												
0	- 812	0	0	0	0	0	4	0	0	0			
П	- 0	906	0	0	0	0	3	0	0	0		- 800	
2	- 7	13	802	3	1	1	1	17	1	0			
М	- 3	4	5	898	0	9	1	5	6	6		- 600	
Je 4	- 1	6	0	0	815	0	3	1	0	13			
True 5	- 0	3	0	14	0	672	7	0	2	4		- 400	
9	- 8	2	0	0	0	4	771	0	0	0			
7	- 0	20	3	0	1	0	0	859	0	10		- 200	
œ	- 1	14	2	15	3	21	3	1	770	5			
o	- 3	3	1	9	11	2	0	18	1	790			
	Ó	i	2	3	4 Pred	5 icted	6	7	8	9		- 0	

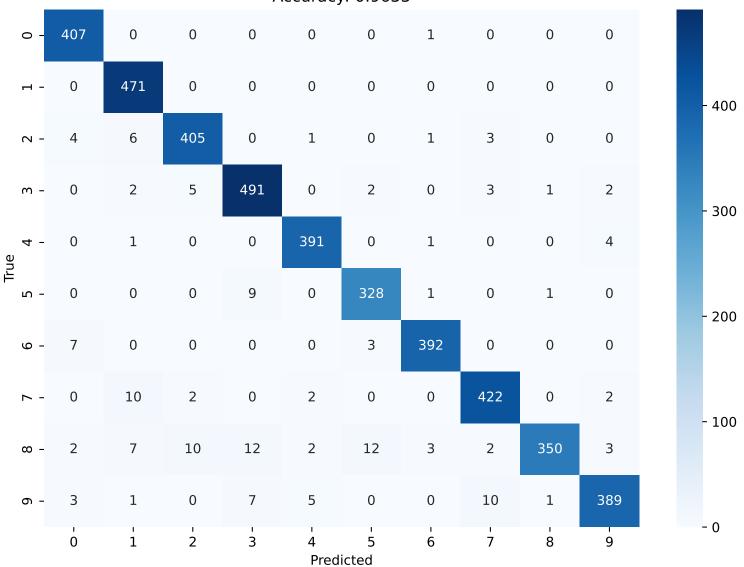
Confusion Matrix (Train Size: 80.0%, K: 7) Accuracy: 0.9632

	Accuracy. 0.9032												
0	- 814	0	0	0	0	0	2	0	0	0			
П	- 0	906	0	0	0	0	3	0	0	0		- 800	
2	- 7	14	796	4	1	1	1	19	2	1			
Μ	- 2	4	5	895	0	10	1	6	6	8		- 600	
Je 4	- 1	6	0	0	806	0	4	1	0	21			
True 5	- 0	2	0	14	0	670	10	0	2	4		- 400	
9	- 5	1	0	0	0	4	775	0	0	0			
7	- 0	20	3	0	1	0	0	858	0	11		- 200	
ω	- 1	14	3	14	4	17	3	1	771	7			
6	- 3	3	1	9	8	1	0	12	1	800			
	0	i	2	3	4 Pred	5 icted	6	7	8	9		- 0	

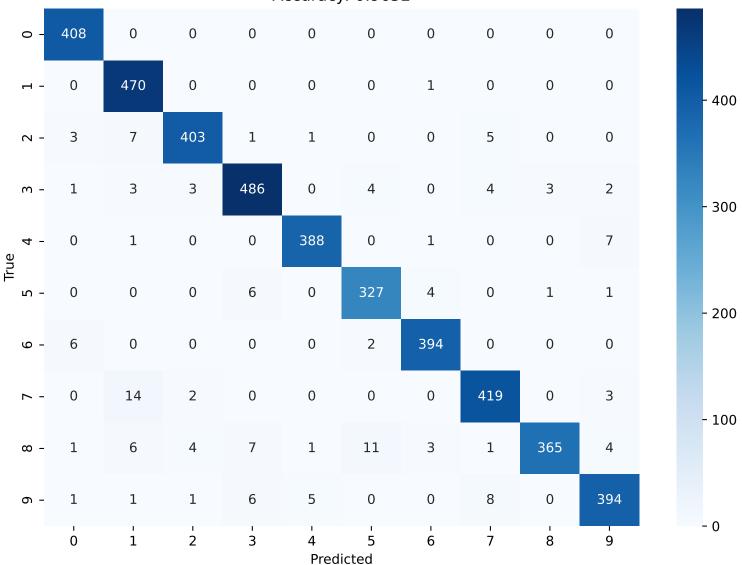
Confusion Matrix (Train Size: 80.0%, K: 10) Accuracy: 0.9617

Accuracy. 0.3017													
0 -	814	0	0	0	0	0	2	0	0	0			
	- 0	905	0	0	1	0	3	0	0	0		- 800	
7 -	- 7	17	793	4	2	1	3	15	3	1			
m -	- 3	5	4	897	0	7	1	8	6	6		- 600	
ə. 4 -	- 1	7	0	0	809	0	3	2	0	17			
True 5	. 1	1	0	15	0	668	9	1	2	5		- 400	
9 -	- 7	1	0	0	0	3	774	0	0	0			
7	- 0	22	2	0	1	0	0	859	0	9		- 200	
∞ -	- 1	15	3	13	6	20	5	1	762	9			
ი -	- 3	4	3	8	6	1	0	14	2	797			
	Ó	i	2	3	4 Pred	5 icted	6	7	8	9		- 0	

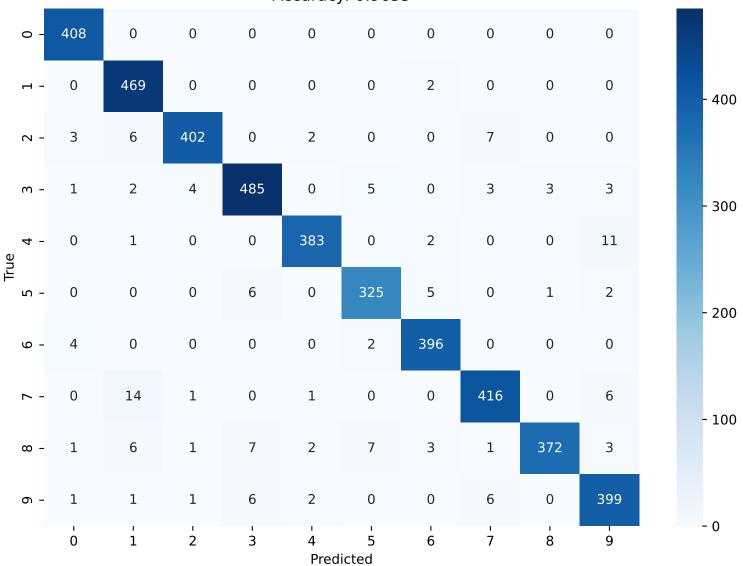
Confusion Matrix (Train Size: 90.0%, K: 2) Accuracy: 0.9633



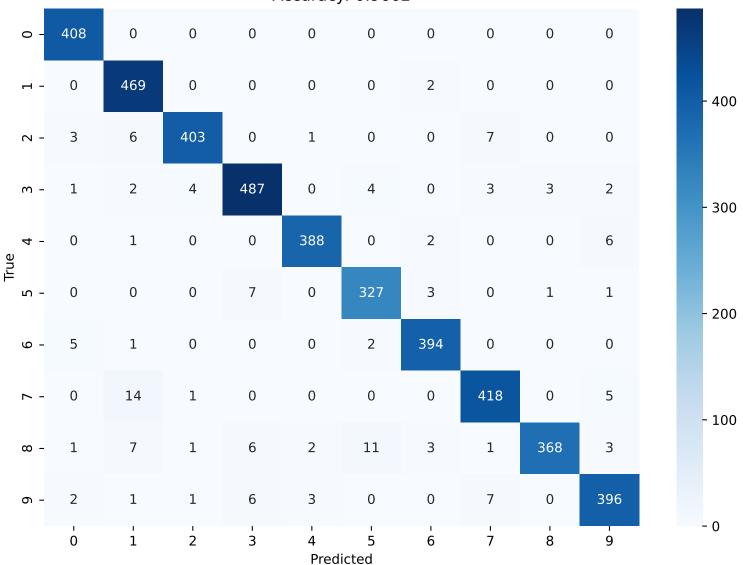
Confusion Matrix (Train Size: 90.0%, K: 4) Accuracy: 0.9652



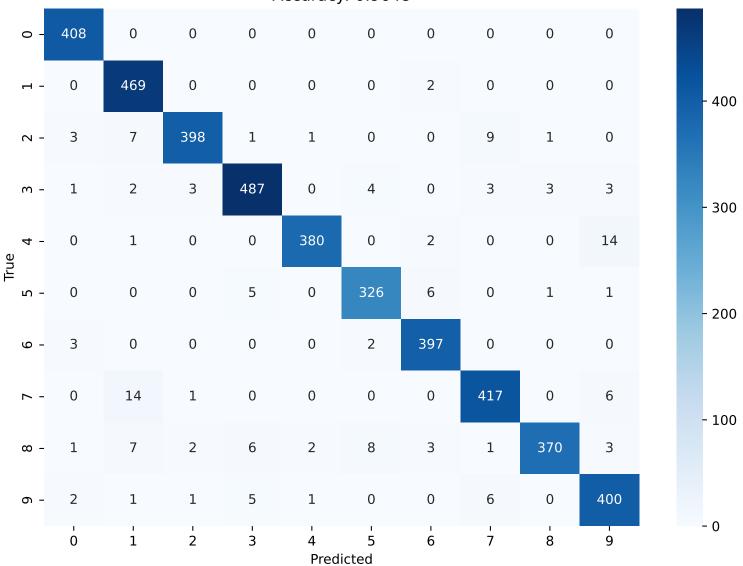
Confusion Matrix (Train Size: 90.0%, K: 5) Accuracy: 0.9655



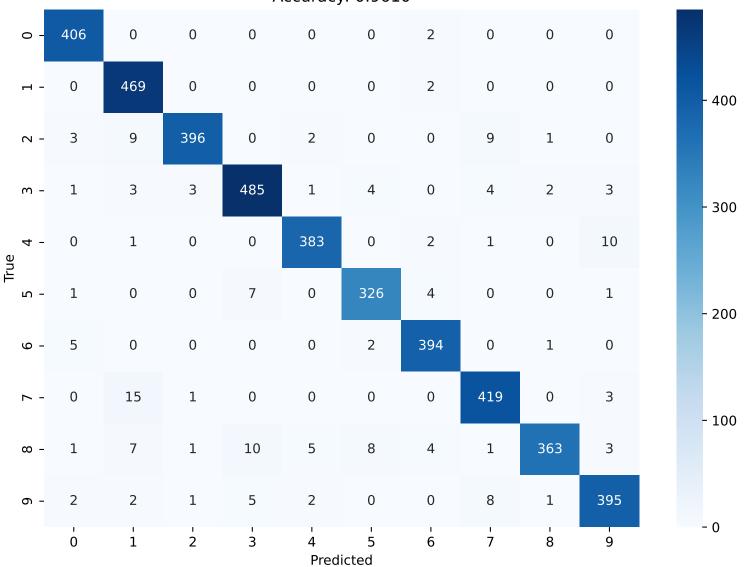
Confusion Matrix (Train Size: 90.0%, K: 6) Accuracy: 0.9662



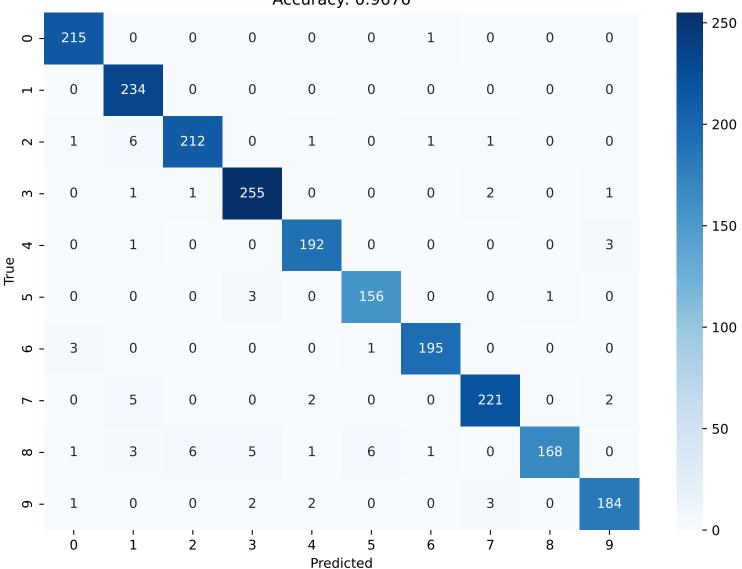
Confusion Matrix (Train Size: 90.0%, K: 7) Accuracy: 0.9648



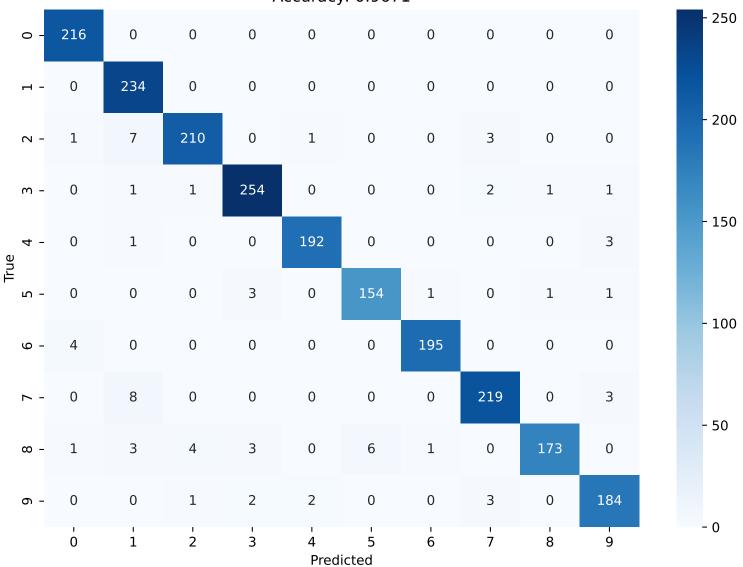
Confusion Matrix (Train Size: 90.0%, K: 10) Accuracy: 0.9610



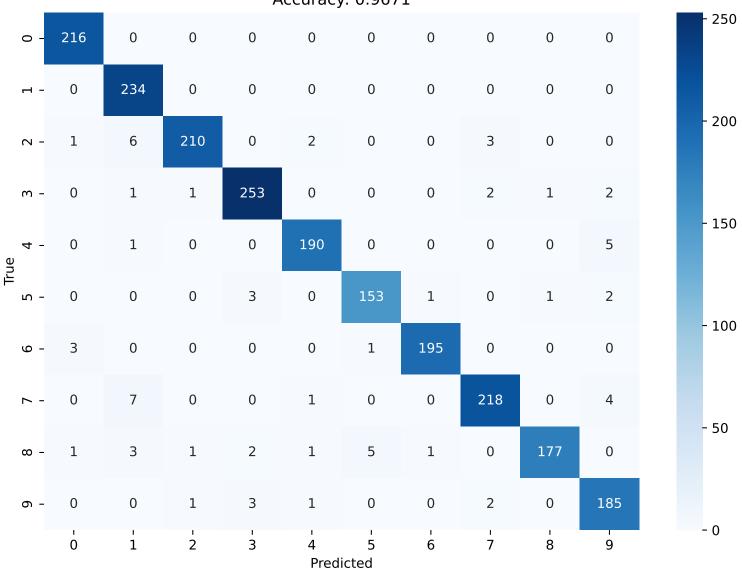
Confusion Matrix (Train Size: 95.0%, K: 2) Accuracy: 0.9676



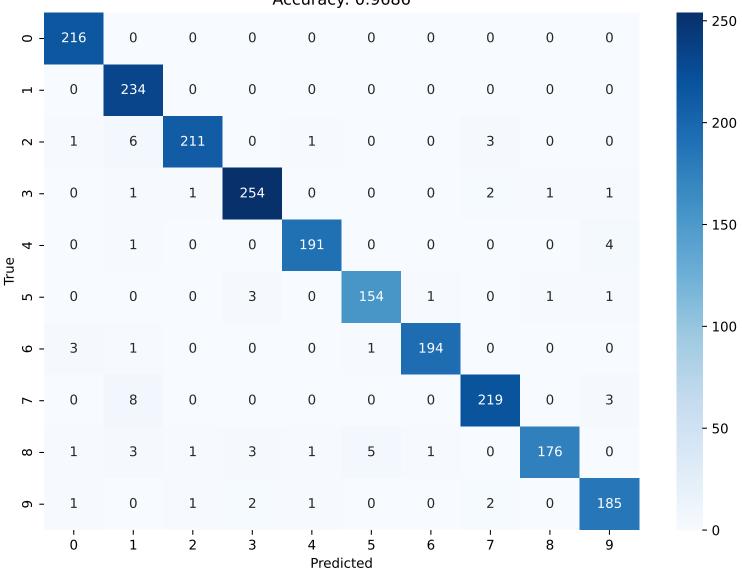
Confusion Matrix (Train Size: 95.0%, K: 4) Accuracy: 0.9671



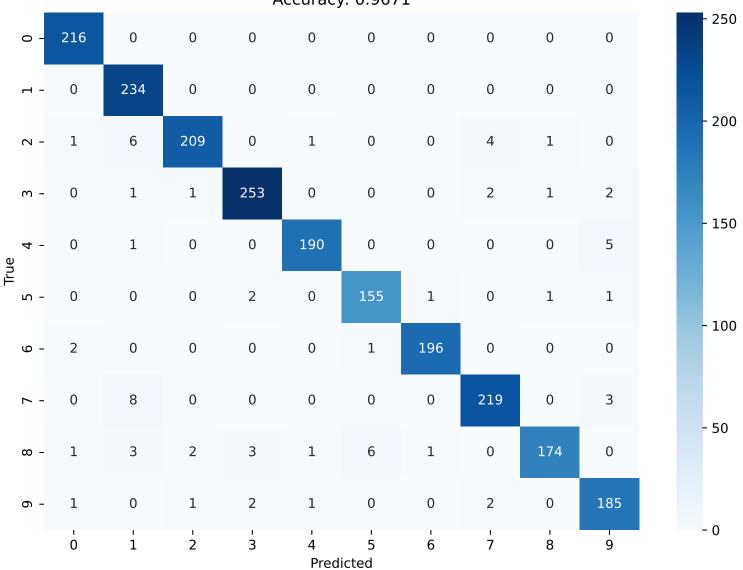
Confusion Matrix (Train Size: 95.0%, K: 5) Accuracy: 0.9671



Confusion Matrix (Train Size: 95.0%, K: 6) Accuracy: 0.9686



Confusion Matrix (Train Size: 95.0%, K: 7) Accuracy: 0.9671



Confusion Matrix (Train Size: 95.0%, K: 10) Accuracy: 0.9643

