1 Iris Dataset

(The results of *Setosa* VS *Versicolor* and *Setosa* VS *Virginica* are omitted because all algorithms are error-free in those situations.)

Total Number of Errors and Estimated Perror: Versicolor VS Virginica

	KI	L-1	KL-2		SKL		Н		LDA	
	total	est.								
	err.	P_{err}								
dim=1	7/100	0.14	2/100	0.04	4/100	0.08	3/100	0.06	3/100	0.06
dim=2	3/100	0.06	3/100	0.06	3/100	0.06	3/100	0.06	-	-
dim=3	3/100	0.06	3/100	0.06	3/100	0.06	3/100	0.06	-	-

Total Number of Errors and Estimated Perror: Multi-SLDA VS LDA

	SKL-3 (Mul	lti-SLDA)	LD.	A
	total err.	est. P _{err}	total err.	est. P _{err}
dim=1	4/150	0.08	3/150	0.06
dim=2	3/150	0.06	3/150	0.06
dim=3	3/150	3/150 0.06		-

2 Banknote Authentication Dataset

Total Number of Errors and Estimated P_{error}

	KI	L-1	KI	L-2	SF	KL .	H	H	LI)A
	total	est.								
	err.	P_{err}								
dim=1	54/	0.076	20/	0.026	20/	0.026	24/	0.032	32/	0.042
	1372		1372		1372		1372		1372	
dim=2	23/	0.030	20/	0.026	23/	0.030	23/	0.030	-	-
	1372		1372		1372		1372			
dim=3	23/	0.030	23/	0.030	23/	0.030	23/	0.030	-	-
	1372		1372		1372		1372			

3 Climate Model Simulation Crashes Authentication Dataset

Total Number of Errors and Estimated P_{error}

	KL	-1	KL-2		SKL		Н		LDA	
	total	est.								
	err.	P_{err}								
dim=1	84/540	0.209	66/540	0.173	81/540	0.203	67/540	0.175	19/540	0.393
dim=2	61/540	0.163	60/540	0.141	56/540	0.153	52/540	0.125	-	-
dim=3	59/540	0.159	48/540	0.117	38/540	0.097	49/540	0.119	-	-

4 Seeds Dataset

(The results of Class 2 VS Class 3 are omitted because all algorithms are error-free in that situation.)

Total Number of Errors and Estimated P_{error} : Class 1 VS Class 2

				00.						
	K	L-1	KL-2		S	KL	Н		LDA	
	total	total est.		est.	total	est.	total	est.	total	est.
	err.	P_{err}	err.	P_{err}	err.	P_{err}	err.	P_{err}	err.	P_{err}
dim=1	8/140	0.114	6/140	0.086	6/140	0.086	1/140	0.014	8/140	0.114

dim=2	6/140	0.086	6/140	0.086	6/140	0.086	1/140	0.014	1	-
dim=3	3/140	0.043	4/140	0.057	4/140	0.057	2/140	0.029	-	-

Total Number of Errors and Estimated P_{error} : Class 1 VS Class 3

	KL-1		KL-2		SKL		Н		LDA	
	total	est.	total	est.	total	est.	total	est.	total	est.
	err.	P_{err}	err.	P_{err}	err.	P_{err}	err.	P_{err}	err.	P_{err}
dim=1	9/140	0.129	11/140	0.157	11/140	0.157	4/140	0.057	10/140	0.143
dim=2	10/140	0.143	4/140	0.057	10/140	0.143	4/140	0.057	-	-
dim=3	4/140	0.057	5/140	0.071	5/140	0.071	4/140	0.057	-	-

Total Number of Errors and Estimated P_{error} : Multi-SLDA VS LDA

	SKL-3 (Mu	lti-SLDA)	LD.	A
	total err.	est. P _{err}	total err.	est. P _{err}
dim=1	27/210	0.386	13/210	0.186
dim=2	27/210	0.386	13/210	0.186
dim=3	10/210	0.143	-	-

5 MAGIC Gamma Telescope Dataset

Total Number of Errors and Estimated P_{error}

	KI	L-1	KI	L-2	Sk	(L	F	ł	LI)A
	total	est.								
	err.	P_{err}								
dim=1	4848/	0.690	4839/	0.689	4847/	0.690	4840/	0.689	4126/	0.537
	19020		19020		19020		19020		19020	
dim=2	4376/	0.613	4217/	0.591	4359/	0.611	4244/	0.595	-	-
	19020		19020		19020		19020			
dim=3	4502/	0.631	3834/	0.511	4484/	0.629	3765/	0.502	-	-
	19020		19020		19020		19020			

6 HTRU2 Dataset

Total Number of Errors and Estimated P_{error}

				61101						
	KL	-1	KL	-2	SK	L	Η	I	LD	A
	total	est.								
	err.	P_{err}								
dim=1	559/	0.214	1279/	0.167	559/	0.214	581/	0.120	453/	0.237
	17898		17898		17898		17898		17898	
dim=2	515/	0.151	1270/	0.156	498/	0.149	824/	0.126	-	-
	17898		17898		17898		17898			
dim=3	524/	0.145	661/	0.171	536/	0.143	544/	0.143	-	-
	17898		17898		17898		17898			

7 Abalone Dataset

Total Number of Errors and Estimated P_{error} : Male VS Female

KL	-1	KL-2		SK	SKL		Н		A
total	est.								
err.	P_{err}								

dim=1	1393/	0.935	1388/	0.932	1388/	0.932	1391/	0.934	1240/	0.904
	2835		2835		2835		2835		2835	
dim=2	1288/	0.954	1289/	0.954	1289/	0.954	1289/	0.954	-	-
	2835		2835		2835		2835			
dim=3	1247/	0.919	1284/	0.944	1245/	0.917	1244/	0.916	-	-
	2835		2835		2835		2835			

Total Number of Errors and Estimated P_{error} : Male VS Infant

	KL-1		KL-2		SKL		Н		LDA	
	total	est.								
	err.	P_{err}								
dim=1	757/	0.545	730/	0.487	726/	0.485	676/	0.457	625/	0.433
	2870		2870		2870		2870		2870	
dim=2	663/	0.448	704/	0.472	707/	0.474	651/	0.439	-	-
	2870		2870		2870		2870			
dim=3	670/	0.454	696/	0.469	671/	0.454	665/	0.451	-	-
	2870		2870		2870		2870			

Total Number of Errors and Estimated P_{error} : Female VS Infant

	KL-1		KL-2		SKL		Н		LDA	
	total	est.								
	err.	P_{err}								
dim=1	699/	0.523	562/	0.428	552/	0.420	505/	0.384	503/	0.381
	2649		2649		2649		2649		2649	
dim=2	512/	0.388	585/	0.445	525/	0.398	499/	0.378	-	-
	2649		2649		2649		2649			
dim=3	528/	0.401	528/	0.401	527/	0.400	531/	0.403	-	-
	2649		2649		2649		2649			

Total Number of Errors and Estimated P_{error} : Multi-SLDA VS LDA

			error -		
	SKL-3 (Mul	lti-SLDA)	LDA		
	total err.	est. P _{err}	total err.	est. P _{err}	
dim=1	2062/4177	1.414	1903/4177	1.370	
dim=2	2035/4177	1.440	1903/4177	1.370	
dim=3	2036/4177	1.398	-	-	