1. Iris Dataset

In the Iris Dataset, there are 3 classes of data points: Setosa, Versicolor, and Virginica.

Occurrence of Misclassification: Setosa VS Versicolor

	KL-1		KL-2		SKL		Н		LDA	
	Type									
	I	II								
dim=1	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50
dim=2	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	-	-
dim=3	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	-	-

Occurrence of Misclassification: Setosa VS Virginica

	KL-1		KL-2		SKL		Н		LDA	
	Type									
	I	II								
dim=1	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50
dim=2	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	-	-
dim=3	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	-	-

Occurrence of Misclassification: Versicolor VS Virginica

	KL-1		KL-2		SKL		Н		LDA	
	Type									
	I	II								
dim=1	4/50	3/50	2/50	0/50	3/50	1/50	2/50	1/50	2/50	1/50
dim=2	2/50	1/50	2/50	1/50	2/50	1/50	2/50	1/50	-	-
dim=3	2/50	1/50	2/50	1/50	2/50	1/50	2/50	1/50	-	-

Occurrence of Misclassification: Multi-SLDA VS LDA

	SKI	L-3 (Multi-SL)	DA)	LDA				
	Type I	Type II	Type III	Type I	Type II	Type III		
dim=1	0/50	2/50	2/50	0/50	2/50	1/50		
dim=2	0/50	3/50	0/50	0/50	2/50	1/50		
dim=3	0/50	2/50	1/50	-	-	-		

2. Banknote Authentication Dataset

Occurrence of Misclassification

	KL-1		KL-2		SF	(L	F	ł	LI)A
	Type									
	I	II								
dim=1	38/	16/	20/	0/	20/	0/	23/	1/	32/	0/
	762	610	762	610	762	610	762	610	762	610
dim=2	23/	0/	20/	0/	23/	0/	23/	0/	-	-
	762	610	762	610	762	610	762	610		
dim=3	23/	0/	23/	0/	23/	0/	23/	0/	-	-
	762	610	762	610	762	610	762	610		

3. Climate Model Simulation Crashes Authentication Dataset

Occurrence of Misclassification

KL-1 KL-2 SKL H LDA

	Type	Type	Type	Type	Type	Type	Туре	Type	Туре	Type
	I	II	I	II	I	II	I	II	I	II
dim=1	2/46	82/494	2/46	64/494	2/46	79/494	2/46	65/494	18/46	1/494
dim=2	2/46	59/494	1/46	59/494	2/46	54/494	1/46	51/494	-	-
dim=3	2/46	57/494	1/46	47/494	1/46	37/494	1/46	48/494	-	-

4. Seeds Dataset

In this dataset, there are 3 classes of different seeds.

Occurrence of Misclassification: Class 1 VS Class 2

	KL-1		KL-2		SKL		Н		LDA	
	Type									
	I	II								
dim=1	1/70	7/70	2/70	4/70	2/70	4/70	1/70	0/70	2/70	6/70
dim=2	2/70	4/70	2/70	4/70	2/70	4/70	1/70	0/70	-	-
dim=3	2/70	1/70	2/70	2/70	2/70	2/70	1/70	1/70	-	-

Occurrence of Misclassification: Class 1 VS Class 3

	KL-1		KL-2		SKL		Н		LDA	
	Type	Type	Type	Type	Type	Type	Type	Type	Type	Type
	I	II	I	II	I	II	I	II	I	II
dim=1	5/70	4/70	10/70	1/70	10/70	1/70	2/70	2/70	5/70	5/70
dim=2	7/70	3/70	3/70	1/70	7/70	3/70	3/70	1/70	-	-
dim=3	3/70	1/70	4/70	1/70	4/70	1/70	3/70	1/70	-	-

Occurrence of Misclassification: Class 2 VS Class 3

	K	KL-1 KL-2		L-2 SKL		Н		LDA		
	Type	Type	Type	Type	Type	Type	Type	Type	Type	Type
	I	II	I	II	I	II	I	II	I	II
dim=1	0/70	0/70	0/70	0/70	0/70	0/70	0/70	0/70	0/70	0/70
dim=2	0/70	0/70	0/70	0/70	0/70	0/70	0/70	0/70	-	-
dim=3	0/70	0/70	0/70	0/70	0/70	0/70	0/70	0/70	-	-

Occurrence of Misclassification: Multi-SLDA VS LDA

	SKI	L-3 (Multi-SL)	DA)	LDA				
	Type I	Type II	Type III	Type I	Type II	Type III		
dim=1	17/70	9/70	1/70	4/70	6/70	3/70		
dim=2	16/70	7/70	4/70	4/70	6/70	3/70		
dim=3	7/70	1/70	2/70	-	-	-		

5. MAGIC Gamma Telescope Dataset

Occurrence of Misclassification

	KL-1		KL-2		SKL		Н		LDA	
	Type									
	I	II								
dim=1	510/	4338/	509/	4330/	511/	4336/	510/	4330/	1163/	2963/
	12332	6688	12332	6688	12332	6688	12332	6688	12332	6688
dim=2	599/	3777/	585/	3632/	599/	3760/	585/	3659/	-	-
	12332	6688	12332	6688	12332	6688	12332	6688		

dim=3	610/	3892/	912/	2922/	607/	3877/	888/	2877/	-	-
	12332	6688	12332	6688	12332	6688	12332	6688		

6. HTRU2 Dataset

Occurrence of Misclassification

	KL-1		KL-2		SKL		Н		LDA	
	Type	Type								
	I	II								
dim=1	232/	327/	1118/	161/	232/	327/	427/	154/	72/	381/
	16259	1639	16259	1639	16259	1639	16259	1639	16259	1639
dim=2	297/	218/	1128/	142/	282/	216/	686/	138/	-	-
	16259	1639	16259	1639	16259	1639	16259	1639		
dim=3	319/	205/	424/	237/	335/	201/	345/	199/	-	-
	16259	1639	16259	1639	16259	1639	16259	1639		

7. Abalone Dataset

In this dataset, there are 3 classes of data points: 1-Male, 2-Female, and 3-Infant.

Occurrence of Misclassification: Male VS Female

	KL-1		KL-2		SKL		Н		LDA	
	Type	Type	Type							
	I	II	I	II	I	II	I	II	I	II
dim=1	1180/	213/	1176/	212/	1176/	212/	1178/	213/	407/	833/
	1528	1307	1528	1307	1528	1307	1528	1307	1528	1307
dim=2	288/	1000/	288/	1001/	288/	1001/	289/	1000/	-	-
	1528	1307	1528	1307	1528	1307	1528	1307		
dim=3	320/	927/	343/	941/	320/	925/	320/	924/	-	-
	1528	1307	1528	1307	1528	1307	1528	1307		

Occurrence of Misclassification: Male VS Infant

	KL-1		KL-2		SKL		Н		LDA	
	Type									
	I	II								
dim=1	210/	547/	626/	104/	622/	104/	567/	109/	363/	262/
	1528	1342	1528	1342	1528	1342	1528	1342	1528	1342
dim=2	511/	152/	579/	125/	580/	127/	504/	147/	-	-
	1528	1342	1528	1342	1528	1342	1528	1342		
dim=3	502/	168/	549/	147/	502/	169/	496/	169/	-	-
	1528	1342	1528	1342	1528	1342	1528	1342		

Occurrence of Misclassification: Female VS Infant

	Occurrence of typical spiritual of the first terms												
	KL-1		KL-2		SKL		Н		LDA				
	Type	Type	Type	Type	Type	Type	Type	Type	Type	Type			
	I	II	I	II	I	II	I	II	I	II			
dim=1	132/	567/	458/	104/	448/	104/	377/	128/	297/	206/			
	1307	1342	1307	1342	1307	1342	1307	1342	1307	1342			
dim=2	325/	187/	476/	109/	332/	193/	312/	187/	-	-			
	1307	1342	1307	1342	1307	1342	1307	1342					

dim=3	383/	145/	383/	145/	383/	144/	382/	149/	-	-
	1307	1342	1307	1342	1307	1342	1307	1342		

Occurrence of Misclassification: Multi-SLDA VS LDA

	SKI	L-3 (Multi-SL)	DA)	LDA				
	Type I	Type II	Type III	Type I	Type II	Type III		
dim=1	1457/1528	501/1307	104/1342	716/1528	868/1307	319/1342		
dim=2	1030/1528	877/1307	128/1342	716/1528	868/1307	319/1342		
dim=3	1423/1528	422/1307	191/1342	-	-	-		