Ranking	Name of run, name of algorithm	Parameters of algorithm	Value	Test/Training Split	Scaling	Precision/Class	Value	Confusion Matrix			
INITIAL SOLUTION	Decision Forest Bagging Best From A)	Resampling method	Bagging	10-fold Cross-Validation	No-scaling	Precision for Class "1"	0.8692422699				
	Multiclass Decision Forest	Create trainer mode	Single Parameter			Precision for Class "2"	0.9278368852				
						Precision for Class "3"	0.7658333333				
		Number of decision drees	32			Precision for Class "4"	0.9145598846				
		Maximum depth of the decision trees	64			Precision for Class "5"	0.7657142857	7			
		Number of random splits per node	1024	!		Precision for Class "6"	0.9561657074				
		Minimum number of samples per leaf node	1			Precision for Class "7"	0.892614089	9			
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.9716666667	7			
						Precision for Class "9"	0.9107070707	7			
						Precision for Class "10"					
						meanPrecision	0.8845496763				
						stdPrecision	0.06698580231				
						Stul recision	0.0009030023	•			
	Decision Forest Bagging ZScore	Resampling method	Bagging	10-fold Cross-Validation	ZScore	Precision for Class "1"	0.8692422699	9		1	
	Multiclass Decision Forest	Create trainer mode	Single Parameter	. 5 . 5.5 5 TOOG VAIIGATION		Precision for Class "2"	0.9278368852				
		Orodio damor mode	Cingio i didilicidi			Precision for Class "3"	0.7658333333	10 -	9 1 1	4 180	
		Number of decision drees	32			Precision for Class "4"	0.703633333			57 8	
									1 8	98	
		Maximum depth of the decision trees	64			Precision for Class "5"	0.7657142857				
		Number of random splits per node	1024			Precision for Class "6"	0.9561657074		4 1 1 4 239	2	
		Minimum number of samples per leaf node	1			Precision for Class "7"	0.892614089	6-	2 13 1 1 305 10	_	
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.9716666667	7			
						Precision for Class "9"	0.9107070707	7 Class	15 6 1 39	11	
						Precision for Class "10"	0.8711565705	4-	14 66 1		
						meanPrecision	0.8845496763	3	11 1 37 1	1	
						stdPrecision	0.06698580231	1			
								2 -	9 544 1 5 4 8 2	1 1 -	
								1-	347 8 8 6 1 6	1 6	
									2 2 3 4 5 6 1	8 9 30 -	
									Scored Labels		
	Decision Forest Bagging MinMax	Resampling method	Bagging	10-fold Cross-Validation	MinMax	Precision for Class "1"	0.8692422699	9			
	Multiclass Decision Forest	Create trainer mode	Single Parameter	3		Precision for Class "2"	0.9278368852		1 1	4 180	
		or said dament mode	cg.o i didiliotol			Precision for Class "3"	0.7658333333				
		Number of decision drops	32			Precision for Class "4"	0.703633333	9 3		57 8	
		Number of decision drees							1 8	98	
		Maximum depth of the decision trees	64			Precision for Class "5"	0.7657142857				
		Number of random splits per node	1024			Precision for Class "6"	0.9561657074	7- 4	1 1 4 239		
		Minimum number of samples per leaf node	1			Precision for Class "7"	0.892614089	6- 2	13 1 1 305 10	_	
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.9716666667	7	6 1 39	11	
						Precision for Class "9"	0.9107070707	Ö Ü			
						Precision for Class "10"	0.8711565705	4-	14 66 1		
						meanPrecision	0.8845496763	3 , 11	1 37 1	1	
						stdPrecision	0.06698580231	1			
								2- 9	544 1 5 4 8 2	1 1	
								1 - 347	8 8 6 1 6	1 6	
								3	23 4 5 6 1	8 9 30	
									Scored Labels		
										<u>.                                      </u>	

	Decision Ferrat Denging Logistic							
	Decision Forest Bagging Logistic	Resampling method	Bagging	10-fold Cross-Validation	Logistic	Precision for Class "1"	0.7561645053	
	Multiclass Decision Forest	Create trainer mode	Single Parameter			Precision for Class "2"	0.8947551558	10- 35 3 5 1 13 138
						Precision for Class "3"	0.64	9 4 1 33 30
		Number of decision drees	32			Precision for Class "4"	0.8702777778	
		Maximum depth of the decision trees	64			Precision for Class "5"	0.4621428571	8 1 1 10 95
		•	1024					7- 4 1 1 2 241 2
		Number of random splits per node				Precision for Class "6"	0.9504696753	
		Minimum number of samples per leaf node	1			Precision for Class "7"	0.8865233037	
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.9659090909	
						Precision for Class "9"	0.6803571429	S 5 6 2 19 1 1 8
						Precision for Class "10"	0.6844357684	
						meanPrecision	0.7791035277	
								3-   -   -   -   -   -
						stdPrecision	0.1537994201	2 11 540 1 7 5 8 2 1
								1 324 7 11 12 2 3 1 23
								> 2 3 A 5 6 1 8 9 N
								Scored Labels
BEST	Decision Forest Bagging LogNormal	Decembling math	Donnie -	40 fold Or \/-" \ "	Loghlows -1	Draginia factor """	0.0704050464	
DEOT		Resampling method	Bagging	10-fold Cross-Validation	LogNormal	Precision for Class "1"	0.8761052131	10 9 1 1 4 180
	Multiclass Decision Forest	Create trainer mode	Single Parameter			Precision for Class "2"	0.9261511532	
						Precision for Class "3"	0.7711904762	9_ 3 57 8
		Number of decision drees	32			Precision for Class "4"	0.9034487734	1 8 98
		Maximum depth of the decision trees	64			Precision for Class "5"	0.7738095238	
			1024			Precision for Class "6"	0.7738095238	- 4 1 1 3 240 2
		Number of random splits per node	1024					
		Minimum number of samples per leaf node	1			Precision for Class "7"	0.8928157019	6 2 13 1 1 305 10
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.9716666667	S 5 5 12 6 1 40 13
						Precision for Class "9"	0.9107070707	
						Precision for Class "10"	0.8650128923	4- 15 65 1
						meanPrecision	0.8849633634	
						stdPrecision	0.06441807935	2 9 543 1 6 4 8 2 1 1
								1- 348 8 7 6 1 6 1 6
								3 2 3 A 5 6 1 8 9 30
								Scored Labels
WORST	Decision Forest Bagging Tanh	December of the state of	Di	40 f-14 0 \/-1;4-4;	T	D	0.7400754440	
TONOT		Resampling method	Bagging	10-fold Cross-Validation	Tanh	Precision for Class "1"	0.7409751148	
	Multiclass Decision Forest	Create trainer mode	Single Parameter			Precision for Class "2"	0.9009680766	
						Precision for Class "3"	0.6395238095	9 3 1 35 29
		Number of decision drees	32			Precision for Class "4"	0.8122619048	1 14 00
		Maximum depth of the decision trees	64			Precision for Class "5"	0.4416666667	8 1 14 92
		Number of random splits per node	1024			Precision for Class "6"	0.9334309953	7_ 5 1 3 238 4
			1024			Precision for Class "7"		
		Minimum number of samples per leaf node	·				0.889420197	
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.939040404	.0 5
						Precision for Class "9"	0.6722619048	32 48 1
						Precision for Class "10"	0.6715034965	4
						meanPrecision	0.764105257	3 15 1 30 2 1 2
						stdPrecision	0.1526631298	
						5.0 55101011	5520001200	2- 14 333 1 8 4 14 2 1
								1 320 7 12 11 2 5 1 25
								3 2 3 A 5 6 1 8 9 30
								Scored Labels
	Decision Forest Bagging Split 7Secre/MinMay	December 1	Di	40 f-14 O	0-14-4-4-	Descript 6 Ct min	0.000045555	
	Decision Forest Bagging Split ZScore/MinMax	Resampling method	Bagging	10-fold Cross-Validation	Split data and normalize	Precision for Class "1"	0.8692422699	

	Maria Barria Esta	0 11: 1	0: 1 5 1		6 H .	D	0.0070000050		_		_			
	Multiclass Decision Forest	Create trainer mode	Single Parameter	In the ZScor		Precision for Class "2" Precision for Class "3"	0.9278368852	10 -	9		1	1	4 180	
		Number of decision drees	20		FM, UC, MSTV, ALTV,		0.7658333333 0.9145598846	_ 9	3				57 8	
			32								1	8 98		
		Maximum depth of the decision trees	64		V, DL, DS_DR, DP, Nma		0.7657142857	_						
		Number of random splits per node	1024			Precision for Class "6"	0.9561657074	7-	4	1	1 4	239 2		
		Minimum number of samples per leaf node	1	MinMa		Precision for Class "7"	0.892614089	- 6-	2	13 1 1	305	10		
		Allow unknown values for categorical features	TRUE			Precision for Class "8"	0.9716666667	- S	15	6 1	39		11	
				Min, N		Precision for Class "9"	0.9107070707	_ E				7		
						Precision for Class "10"		4		14 6	6 1			
						meanPrecision	0.8845496763	_ 3-	11	1 37		1	1 -	
						stdPrecision	0.06698580231		9	544 1 5	4 8	2	1 1	
								_	9	544 1 :	4 6	2		
								1	347	8 8	6 1	6	1 6	
									>	2 3	A 5 6	1 8	9 10	
											Scored Labels			
											Scored Labers	,		
d BEST														
	Decision Forest Badding Split LogNormal/Lann/Min/M	2) Posampling mothod	Pagging	10 fold Cross Validation Split of	data and normaliza	Procision for Class "1"	0.8603433600							
	Decision Forest Bagging Split LogNormal/Tanh/MinM		Bagging			Precision for Class "1"	0.8692422699		9		1	1	4 180	
	Decision Forest Bagging Split LogNormal/Tann/MiniMinul	a) Resampling method Create trainer mode	Bagging Single Parameter	in the	e following way:	Precision for Class "2"	0.9312007767				1	1		
		Create trainer mode	Single Parameter	in the	e following way: Normal:	Precision for Class "2" Precision for Class "3"	0.9312007767 0.7658333333	10					4 180 57 8	
		Create trainer mode  Number of decision drees	Single Parameter	in the LogNo	ne following way: Normal: DR, Variance	Precision for Class "2" Precision for Class "3" Precision for Class "4"	0.9312007767 0.7658333333 0.9145598846					8 98		
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees	Single Parameter  32 64	in the LogNo	e following way: Normal: DR, Variance 1:	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5"	0.9312007767 0.7658333333 0.9145598846 0.7657142857			1		8 98		
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node	Single Parameter  32 64 1024	in the LogNo DS_D Tanh:	e following way: Normal: DR, Variance 1:	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5" Precision for Class "6"	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326		3		1 4	8 98 239 2		
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way: Normal: DR, Variance 1: Max:	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5" Precision for Class "6" Precision for Class "7"	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089		3		1	8 98 239 2	57 8	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node	Single Parameter  32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal: DR, Variance  1:  Max: ne rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5" Precision for Class "6" Precision for Class "7" Precision for Class "8"	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667		3		1 4	8 98 239 2		
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal: DR, Variance  1:  Max: ne rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "8"	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707		3	12 1 6 1	1 1 4 1 306 39	8 98 239 2 10	57 8	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way: Normal: DR, Variance n: Max: the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10"	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705		4 2 15	12 1 6 1 13	1 1 4 1 306	8 98 239 2 10	57 8	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		4 2 15	12 1 6 1	1 1 4 1 306 39	8 98 239 2 10	57 8	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "5" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10"	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705		3 4 2 15 11	12 1 6 1 13 1 37	1 1 4 1 306 39	8 98 239 2 10	57 8	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		3 4 2 15 11 9	12 1 6 1 13 1 37 544 1	1 1 4 1 306 39 57 1 1 5 4 8	8 98 239 2 10	11 1 1	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		3 4 2 15 11	12 1 6 1 13 1 37	1 1 4 1 306 39 167 1	8 98 239 2 10	11	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		3 4 2 15 11 9 347	12 1 6 1 13 13 1 37 544 1 8 8	1 1 4 1 306 39 57 1 1 5 4 8 6 1	8 98 239 2 10 1 1 2 6 6	11 1 1 1 6	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		3 4 2 15 11 9 347	12 1 6 1 13 13 1 37 544 1 8 8	1 1 4 1 306 39 57 1 1 5 4 8	8 98 239 2 10 1 1 2 6 6	11 1 1 1 6	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		3 4 2 15 11 9 347	12 1 6 1 13 13 1 37 544 1 8 8	1 1 4 1 306 39 57 1 1 5 4 8 6 1	8 98 239 2 10 1 1 2 6 6	11 1 1 1 6	
		Create trainer mode  Number of decision drees  Maximum depth of the decision trees  Number of random splits per node  Minimum number of samples per leaf node	32 64 1024	in the LogNo DS_D Tanh:	ne following way:  Normal:  DR, Variance  n:  Max:  the rest)	Precision for Class "2" Precision for Class "3" Precision for Class "4" Precision for Class "6" Precision for Class "6" Precision for Class "7" Precision for Class "8" Precision for Class "9" Precision for Class "10" meanPrecision	0.9312007767 0.7658333333 0.9145598846 0.7657142857 0.9563909326 0.892614089 0.9716666667 0.9107070707 0.8711565705 <b>0.884908588</b>		3 4 2 15 11 9 347	12 1 6 1 13 13 1 37 544 1 8 8	1 1 4 1 306 39 57 1 1 5 4 8 6 1	8 98 239 2 10 10 1	11 1 1 1 6	