

Reliability - AVERAGE ACCURACY AND RESPONSE TIME

Case Processing Summary

		N	%
Cases	Valid	94	83,2
	Excluded ^a	19	16,8
	Total	113	100,0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
,839	,711	20

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum
Item Means	2469,429	,631	8276,137	8275,506	13119,003
Item Variances	4834850,862	,007	30016449,265	30016449,258	4551670415,851
Inter-Item Covariances	1000195,232	-714,034	26297430,797	26298144,831	-36829,359
Inter-Item Correlations	,110	-,537	,929	1,466	-1,730

Summary Item Statistics

	Variance	N of Items
Item Means	8101919,122	20
Item Variances	75555468960353,880	20
Inter-Item Covariances	8389037835846,277	20
Inter-Item Correlations	,122	20

Reliability - USER SCORES

Case Processing Summary

		N	%
Cases	Valid	87	77,0
	Excluded ^a	26	23,0
	Total	113	100,0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
,935	,937	115

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance
Item Means	,825	,575	,977	,402	1,700	,014
Item Variances	,132	,023	,247	,225	10,882	,005
Inter-Item Covariances	,015	-,050	,170	,220	-3,404	,001
Inter-Item Correlations	,114	-,243	1,000	1,243	-4,121	,025

Summary Item Statistics

	N of Items
Item Means	115
Item Variances	115
Inter-Item Covariances	115
Inter-Item Correlations	115

Reliability - USER SCORES + RESPONSE TIME

Case Processing Summary

		N	%
Cases	Valid	87	77,0
	Excluded ^a	26	23,0
	Total	113	100,0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
,963	,938	231

Summary Item Statistics

	Mean	Minimum	Maximum	Range
Item Means	2739,588	,575	12747,529	12746,954
Item Variances	14403193,091	,023	289584534,159	289584534,136
Inter-Item Covariances	1458623,465	-3827315,182	119033920,754	122861235,936
Inter-Item Correlations	,061	-,798	1,000	1,798

Summary Item Statistics

	Maximum / Minimum	Variance	N of Items
Item Means	22180,700	9797855,245	231
Item Variances	12745126379,871	901617056189297,400	231
Inter-Item Covariances	-31,101	23879046827071,387	231
Inter-Item Correlations	-1,253	,040	231

Plots

Statistics

		dotscompari son_RT	dotscompari son_accuracy	matchsampl e_RT	matchsampl e_accuracy
N	Valid	111	113	113	113
	Missing	2	0	0	0
Mean		2834,493	,958	4779,228	,709931170 119
Median		2101,200	1,000	4451,800	,777777777 800
Std. Deviation		2325,4869	,0811	1455,0570	,203818068 8473
Variance		5407889,17 5	,007	2117190,85 7	,042
Percentil es	25	1588,100	,900	3795,550	,555555555 600
	50	2101,200	1,000	4451,800	,777777777 800
	75	3408,300	1,000	5483,650	,888888888 900

Statistics

		matchsampl otate_RT	matchsampl otate_accuracy	matchpointsn umber_RT	matchpointsn umber_accuracy
N	Valid	113	113	108	112
	Missing	0	0	5	1
Mean		4525,2796460 2	,75319567356 1	4209,141	,926
Median		4257,9000000 0	,77777777780 0	4214,300	1,000
Std. Deviation		1238,0427996 97	,21605250423 31	1688,3544	,1199
Variance		1532749,974	,047	2850540,424	,014
Percentile s	25	3653,5500000 0	,55555555560 0	2974,475	,900

50	4257,90000000	,777777777800	4214,300	1,000
75	5157,45000000	,888888888900	5186,875	1,000

Statistics

		symbolicmagn itude_RT	symbolicmagn itude_accu racy	numericline_R T	numericline_a ccuracy
N	Valid	111	113	111	113
	Missing	2	0	2	0
Mean		1773,576	,957	5840,838619682	,629
Median		1656,800	1,000	5398,02222200	,700
Std. Deviation		879,6231	,1172	2969,2445234146	,2930
Variance		773736,879	,014	8816413,040	,086
Percentile s	25	1259,400	1,000	3970,63750000	,400
	50	1656,800	1,000	5398,02222200	,700
	75	2011,500	1,000	6767,07777800	,900

Statistics

		counting_RT	counting_acc uracy	countingtrue_ RT	countingtrue_ accuracy
N	Valid	113	113	108	113
	Missing	0	0	5	0
Mean		4390,610619441	,907571288108	5168,75487336	,889613414080
Median		4090,11111100	1,000000000000	4571,21052600	,947368421100
Std. Deviation		2311,9785538421	,1484061818507	3021,719458686	,1695224503968
Variance		5345244,833	,022	9130788,487	,029
Percentile s	25	3176,666666500	,888888888900	3104,06578900	,894736842100
	50	4090,11111100	1,000000000000	4571,21052600	,947368421100
	75	5454,38888900	1,000000000000	6266,34210525	1,000000000000

Statistics

		simplearithmet ticplus_RT	simplearithme ticplus_accura cy	simplearithme ticminus_RT	simplearithme ticminus_accu racy
N	Valid	111	113	111	113
	Missing	2	0	2	0
Mean		6887,228	,895	7935,7149	,8049
Median		5778,000	1,000	6615,4500	,9500
Std. Deviation		4910,4419	,1889	5246,84822	,24339
Variance		24112439,819	,036	27529416,233	,059
Percentile s	25	3321,800	,900	4213,8000	,7000
	50	5778,000	1,000	6615,4500	,9500
	75	9530,600	1,000	11196,2500	1,0000

Statistics

		dotscomparis on_IES	matchsample _IES	matchsampler otate_IES	matchpointsn umber_IES
N	Valid	111	113	112	108
	Missing	2	0	1	5
Mean		2983,1024595 9	7808,7011726 0	6749,9619593 1	4556,0614895 6
Median		2356,4444440 0	6437,7000000 0	5774,3035715 0	4605,5722220 0
Std. Deviation		2397,3953780 06	4933,8658839 20	3703,9374397 70	1846,9445792 54
Variance		5747504,598	24343032,561	13719152,558	3411204,279
Percentile s	25	1658,9000000 0	4562,4875000 0	4222,5187500 0	3313,8166667 5
	50	2356,4444440 0	6437,7000000 0	5774,3035715 0	4605,5722220 0
	75	3422,2500000 0	9322,6114285 0	8390,6700000 0	5537,1388890 0

Statistics

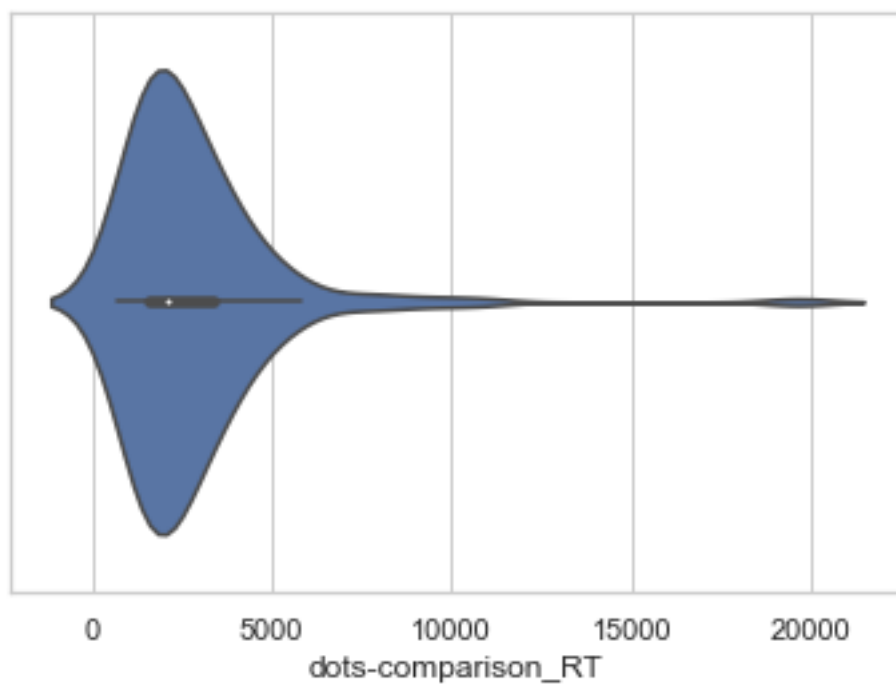
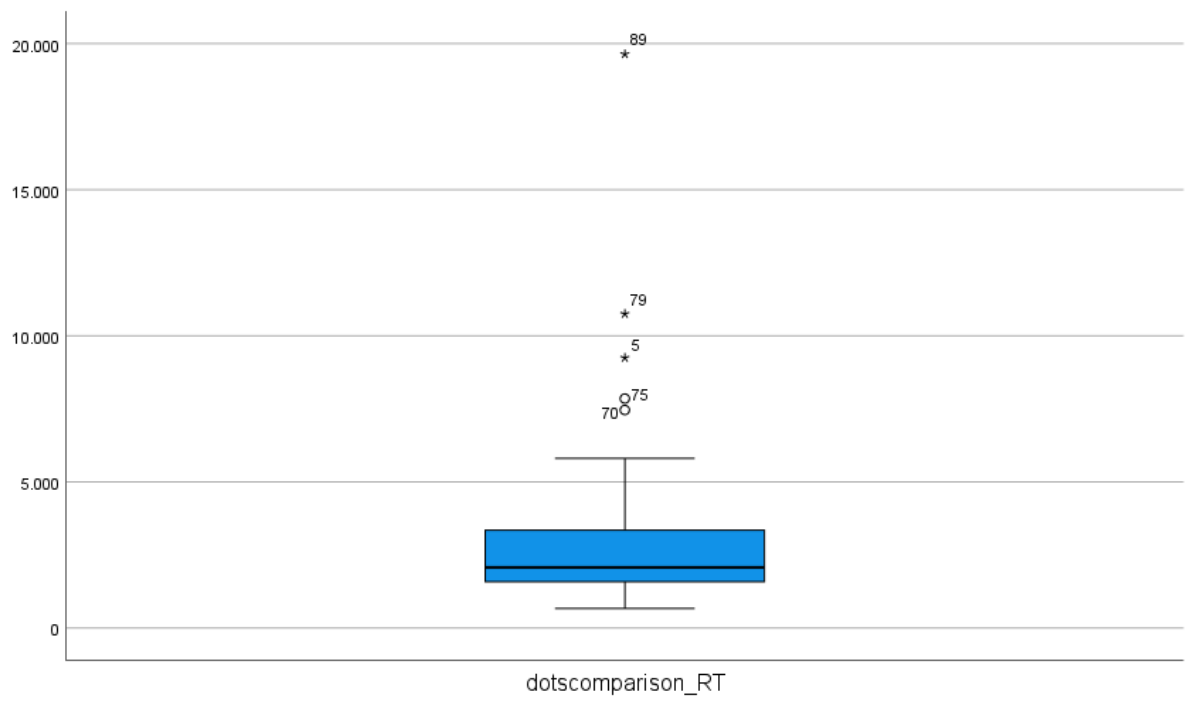
		symbolicmagn itude_IES	numericline_I ES	counting_IES	countingtrue_I ES
N	Valid	111	111	113	108
	Missing	2	2	0	5
Mean		2018,2955956 2	13509,516394 36	5126,7525178 8	6574,7536687 5
Median		1672,1000000 0	7868,7936510 0	4276,2500000 0	4894,7187500 0

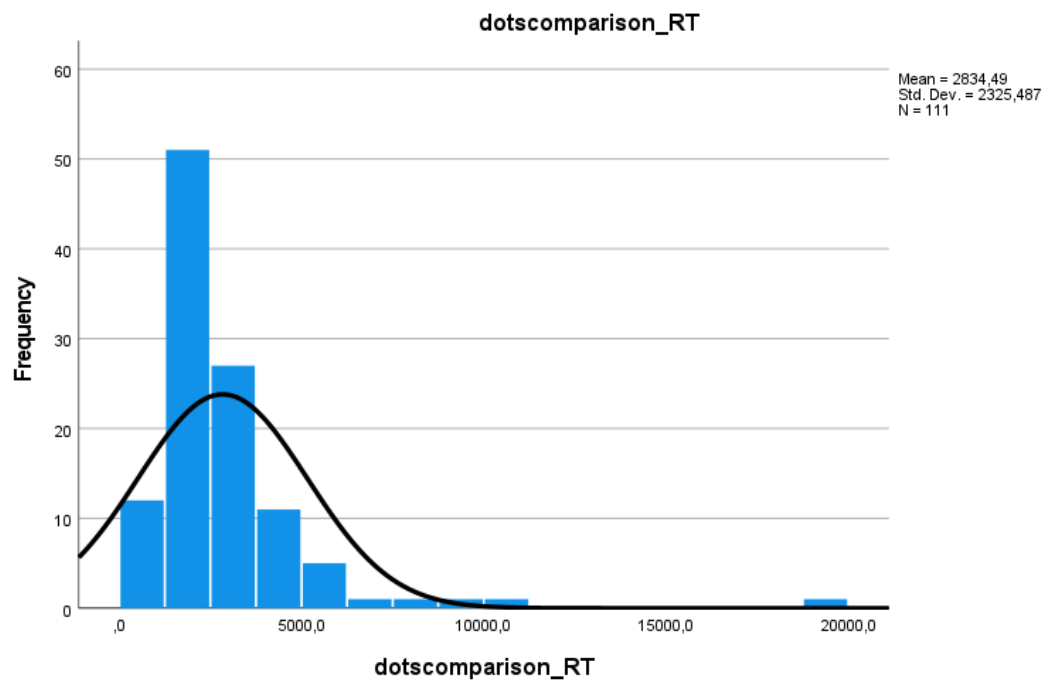
Std. Deviation		1785,712809371	13382,566331233	3964,063902345	5766,448512182
Variance		3188770,2380	179093081,610	15713802,6220	33251928,4440
Percentiles	25	1287,70000000	5186,55555600	3534,55555600	3580,89705850
	50	1672,10000000	7868,79365100	4276,25000000	4894,71875000
	75	2080,60000000	16569,2381000	5920,66666700	7362,42187500

Statistics

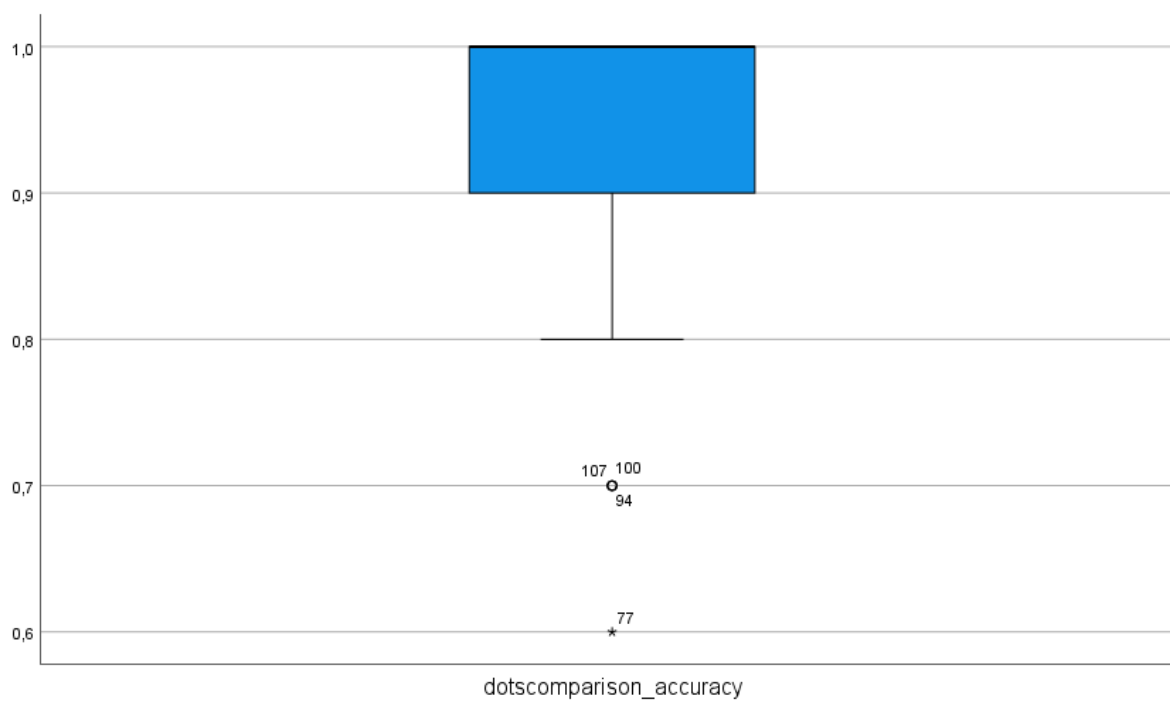
		simplearithmeticplus_IE S	simplearithmeticminus_ IES
N	Valid	110	111
	Missing	3	2
Mean		8409,646407030	14173,82744671
Median		5834,750000000	7976,100000000
Std. Deviation		8119,3288712122	19247,554313222
Variance		65923501,319	370468347,040
Percentiles	25	3389,525000000	4604,250000000
	50	5834,750000000	7976,100000000
	75	9937,816666750	15168,125000000

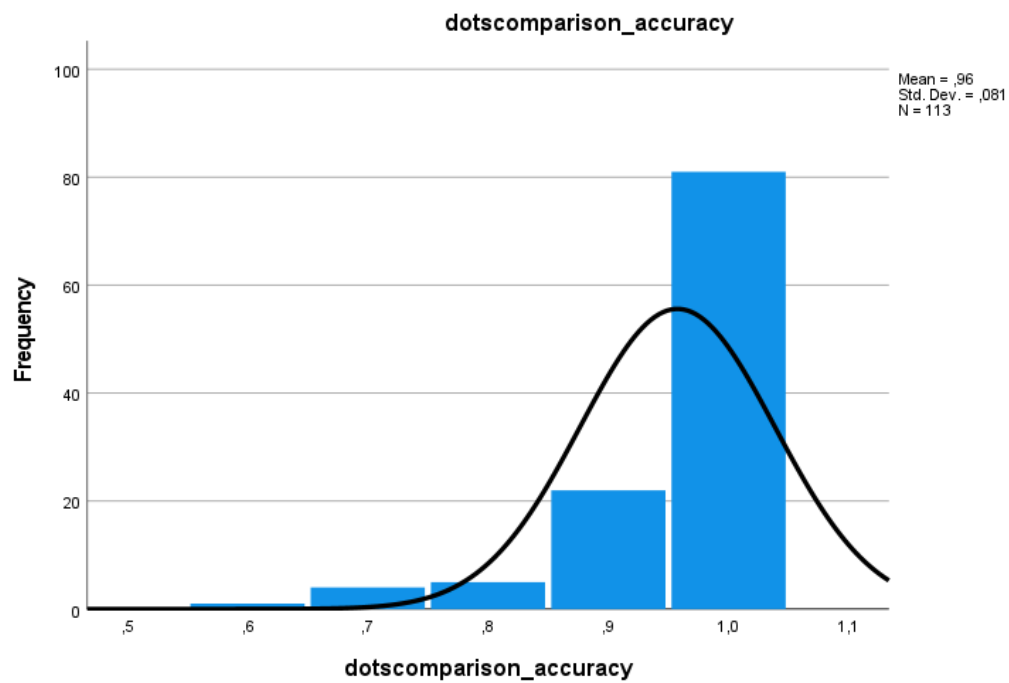
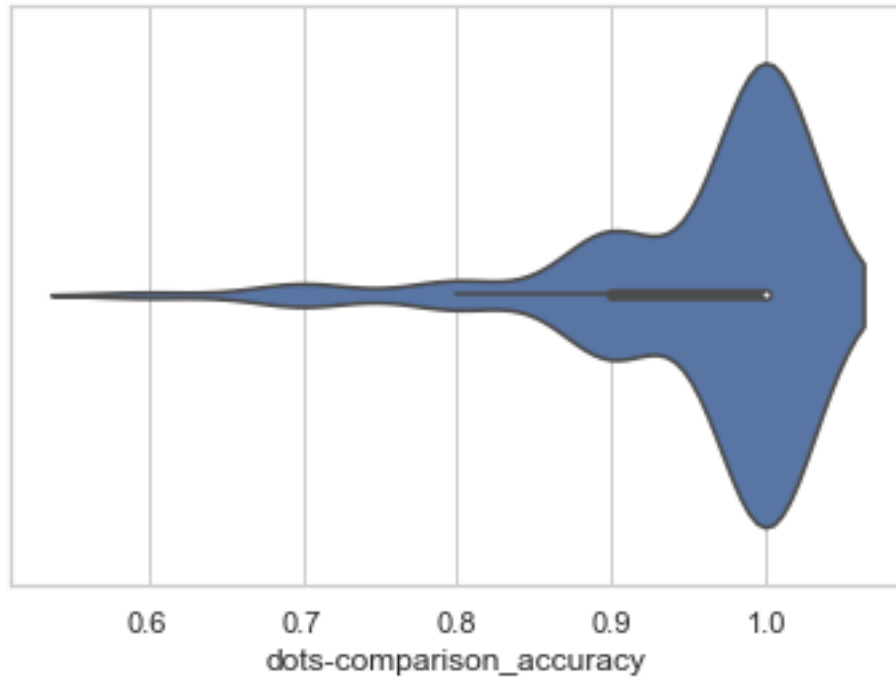
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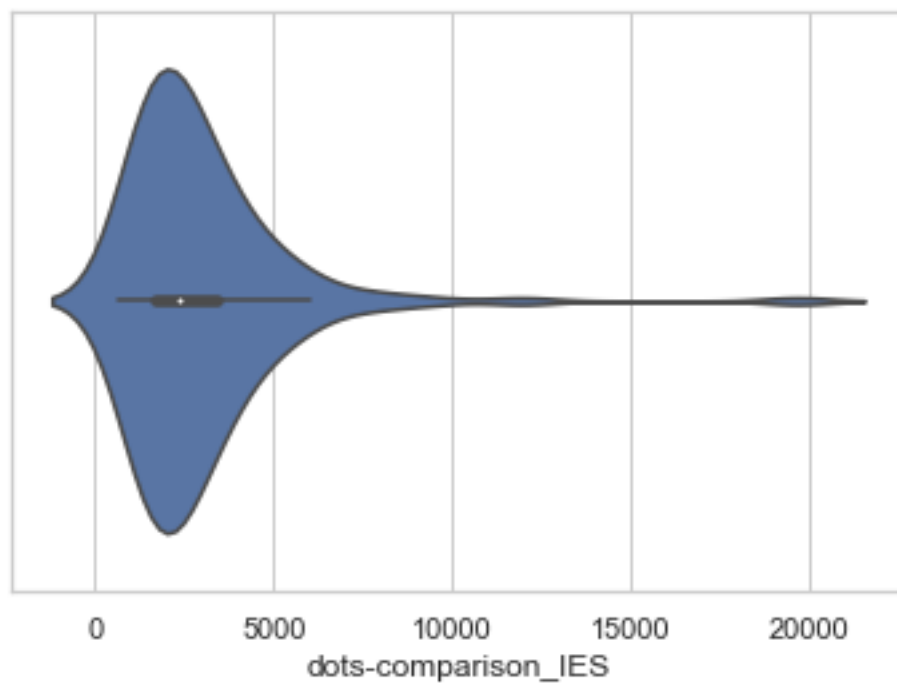
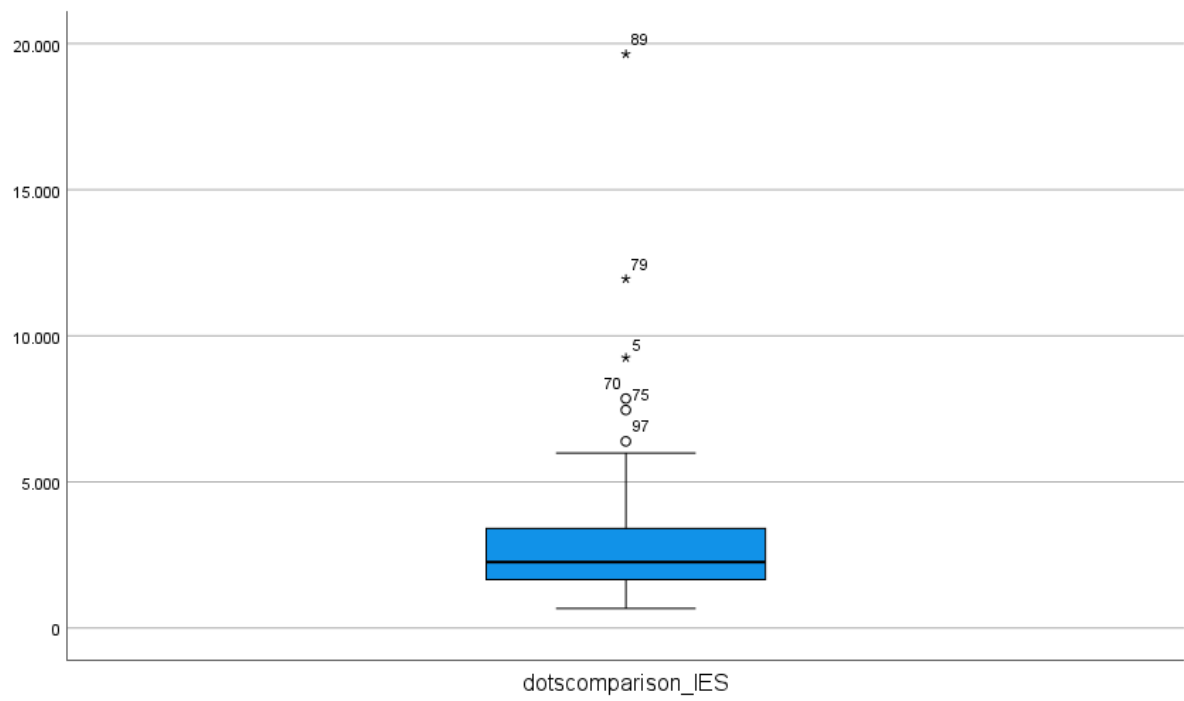


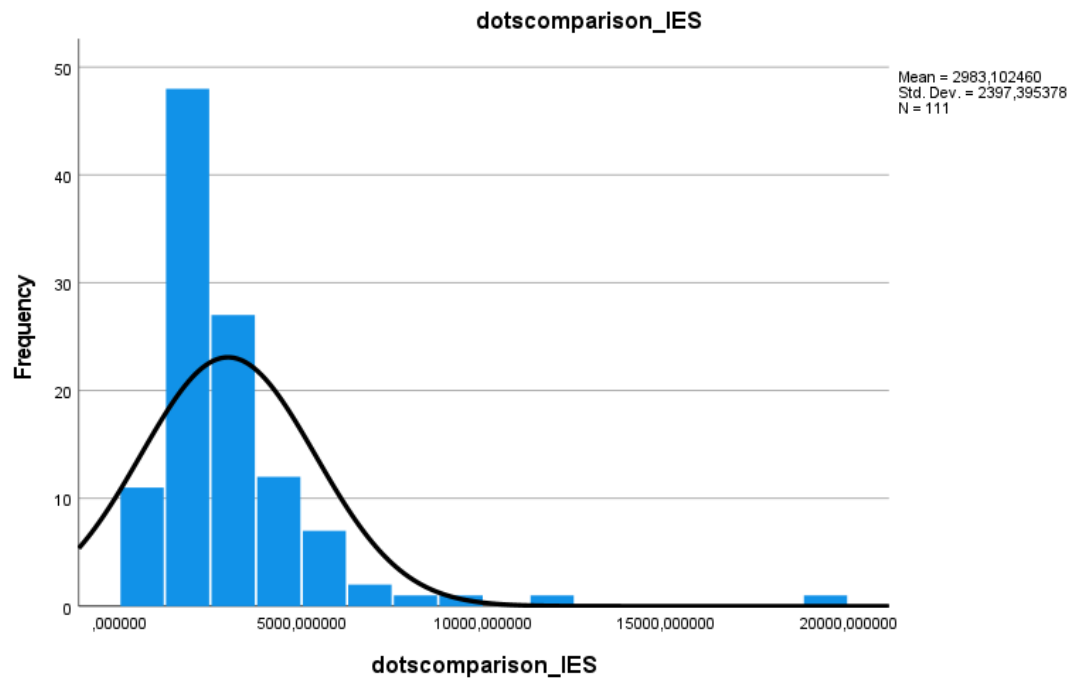
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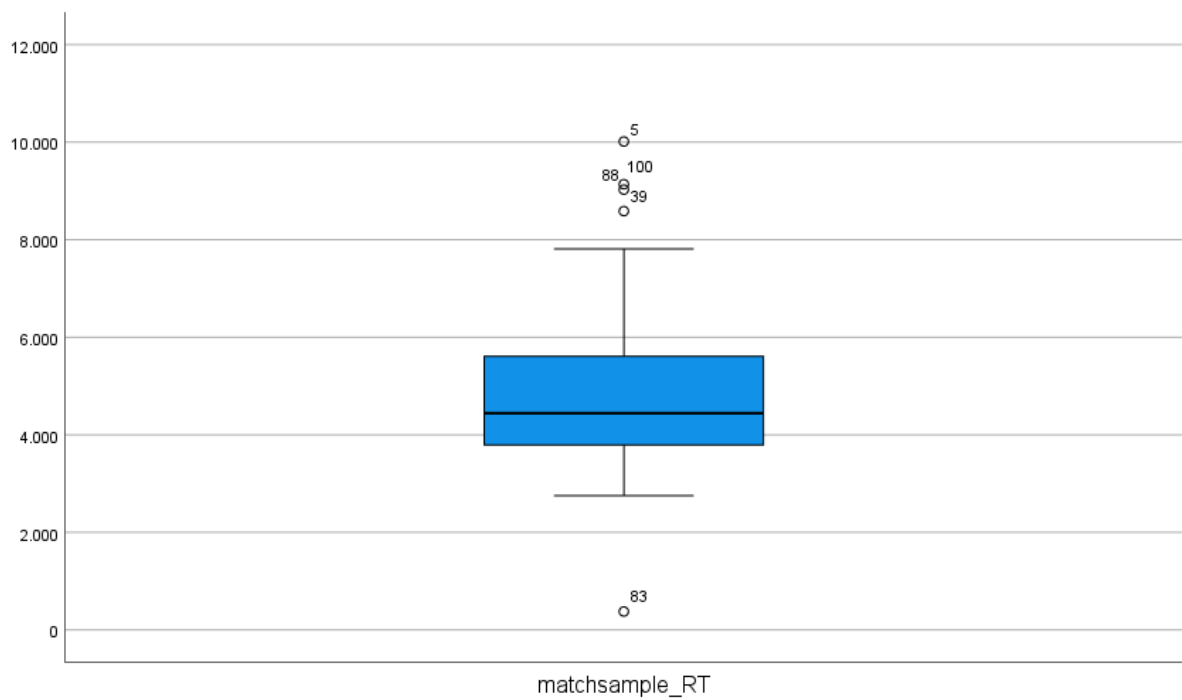


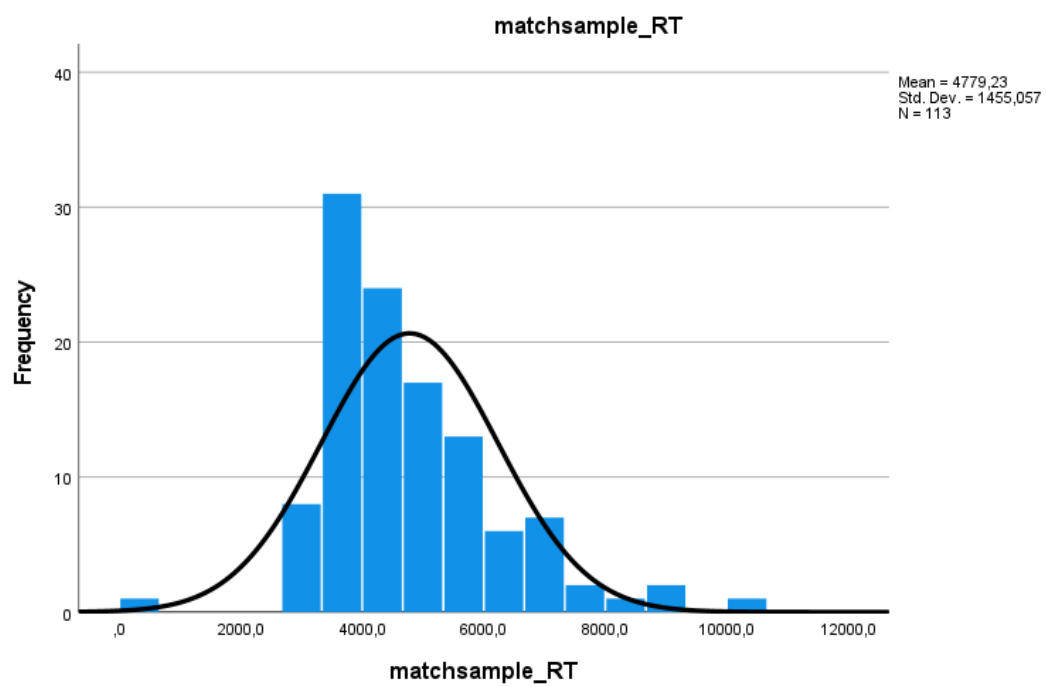
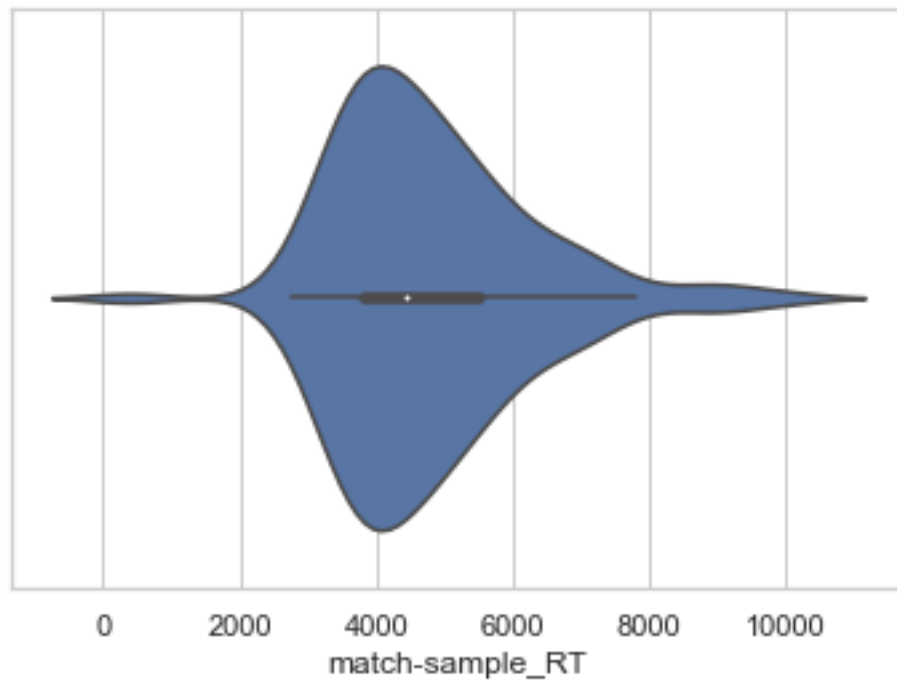
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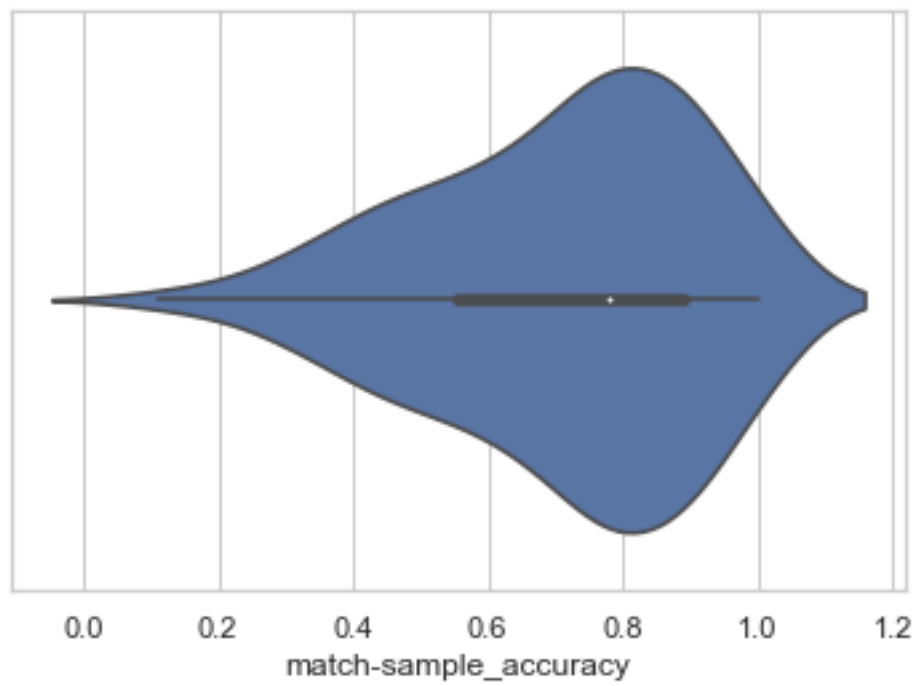
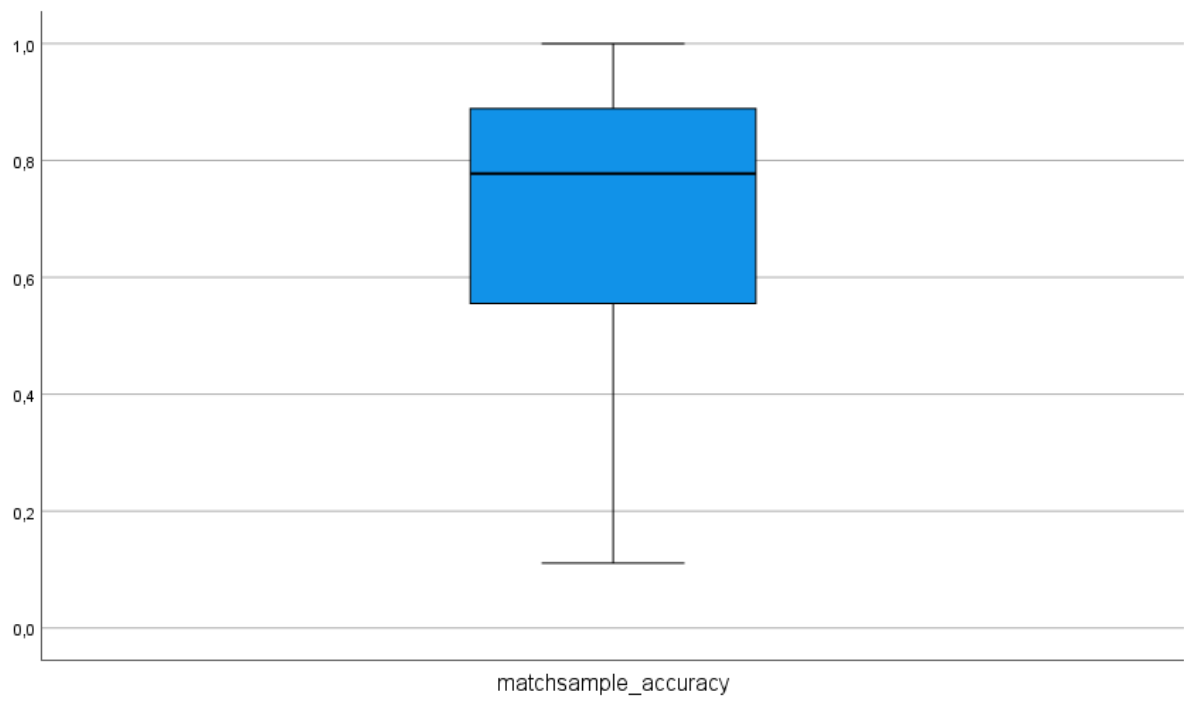


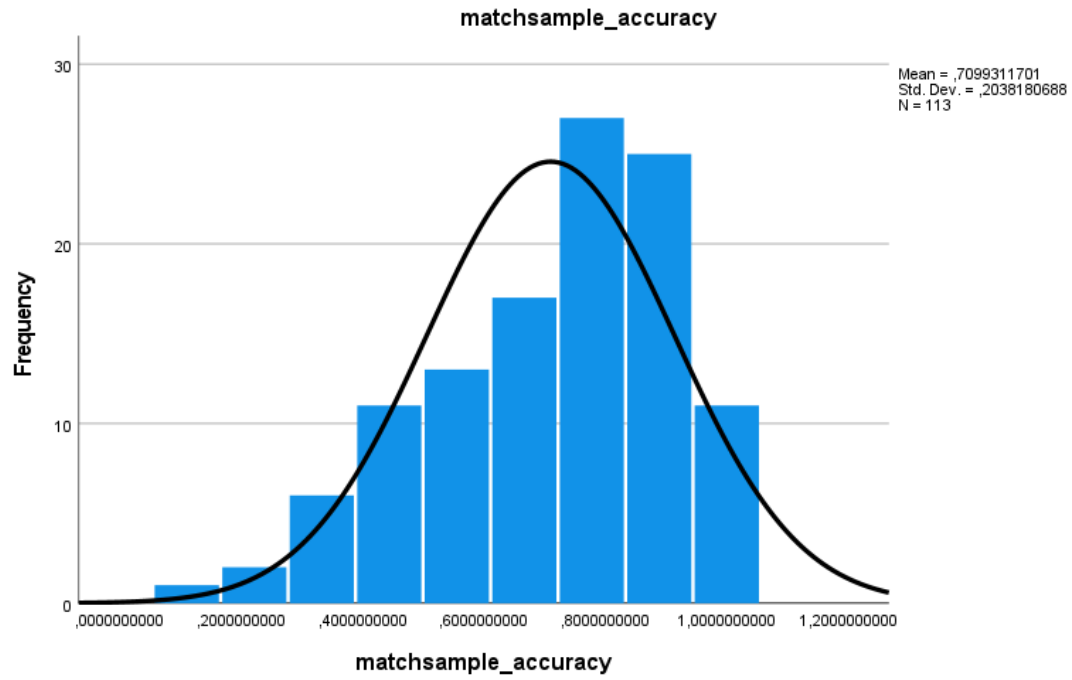
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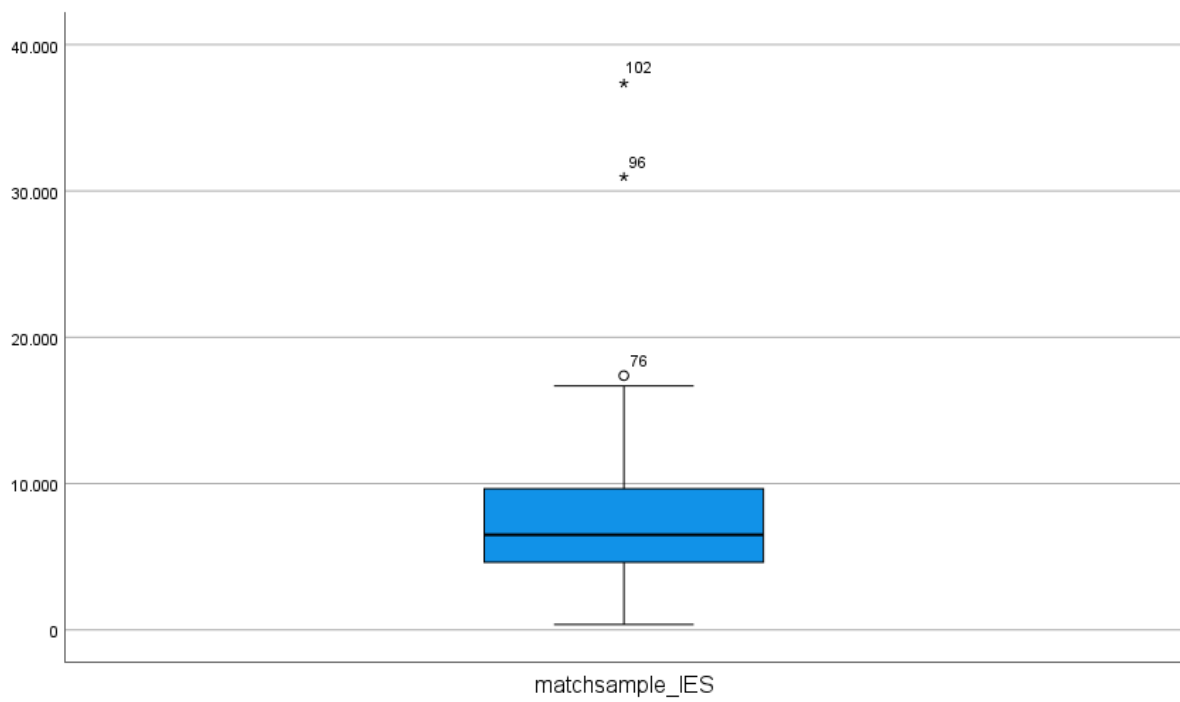


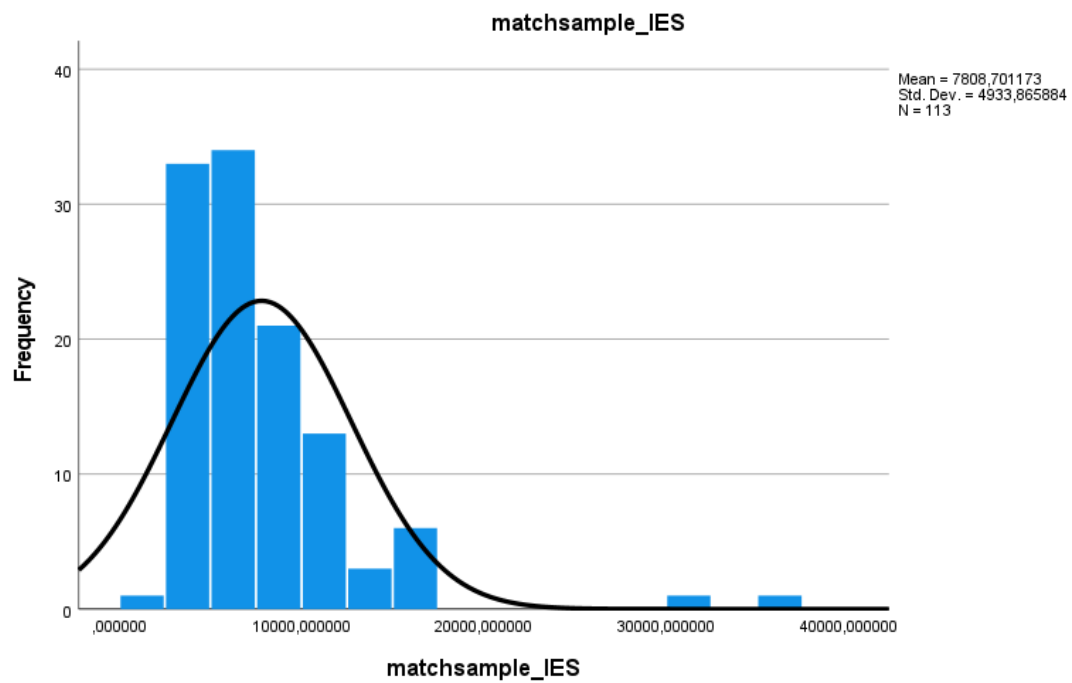
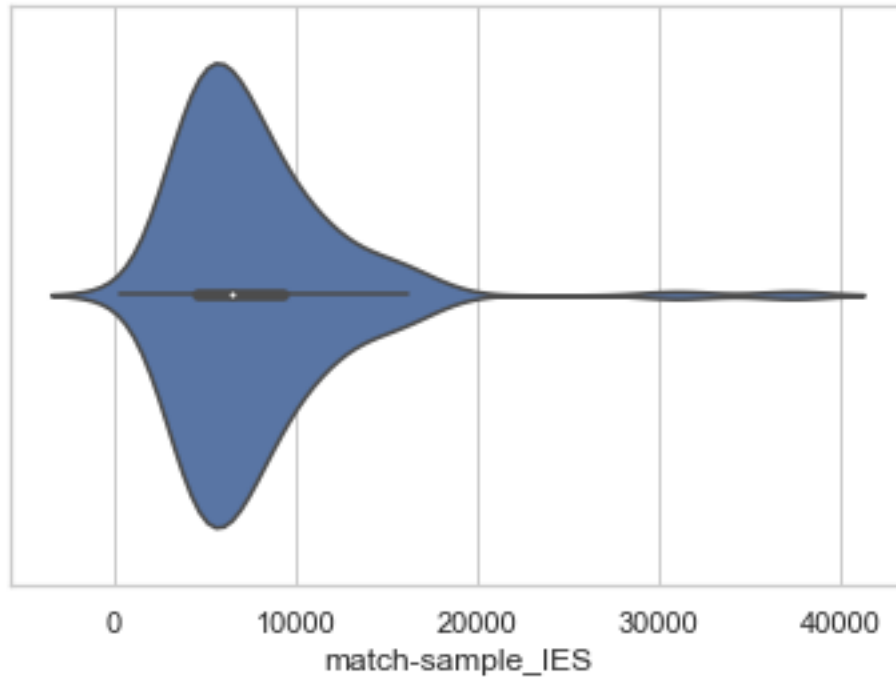
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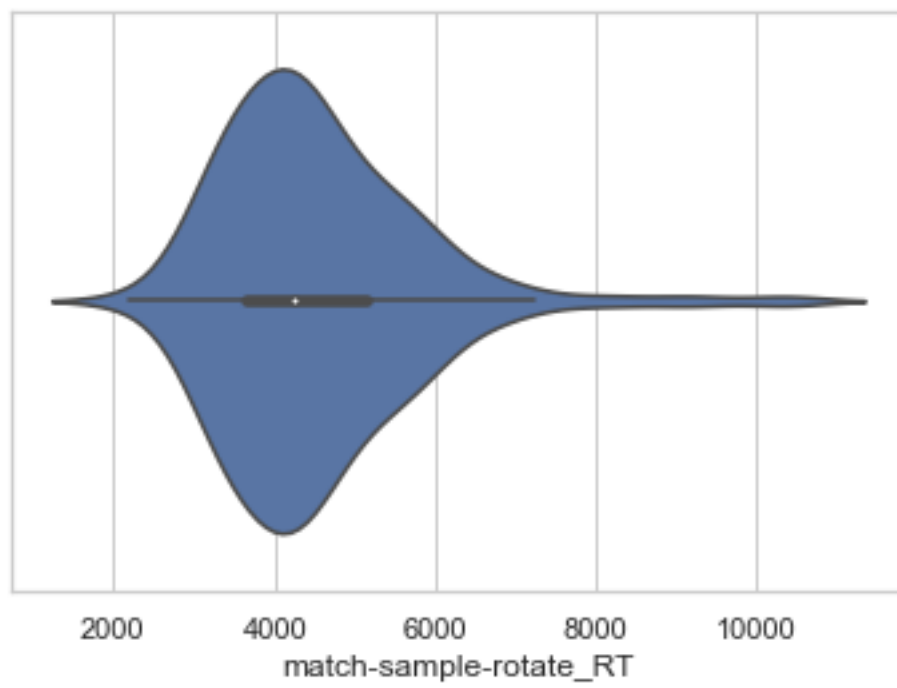
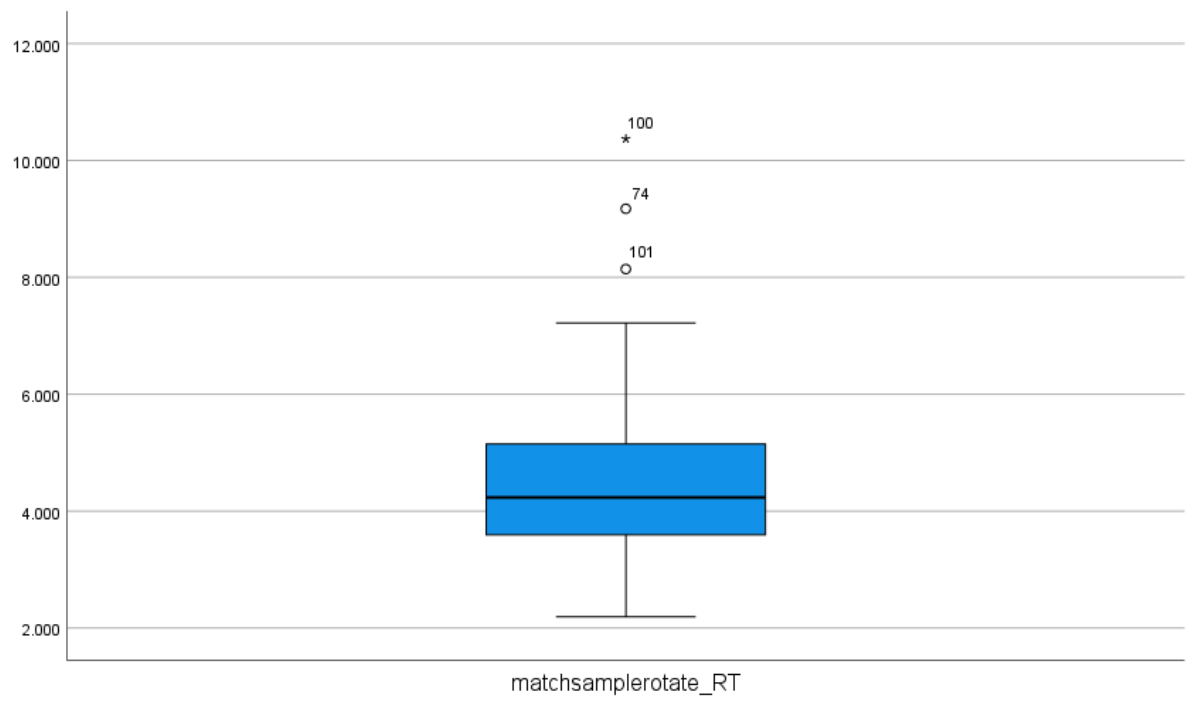


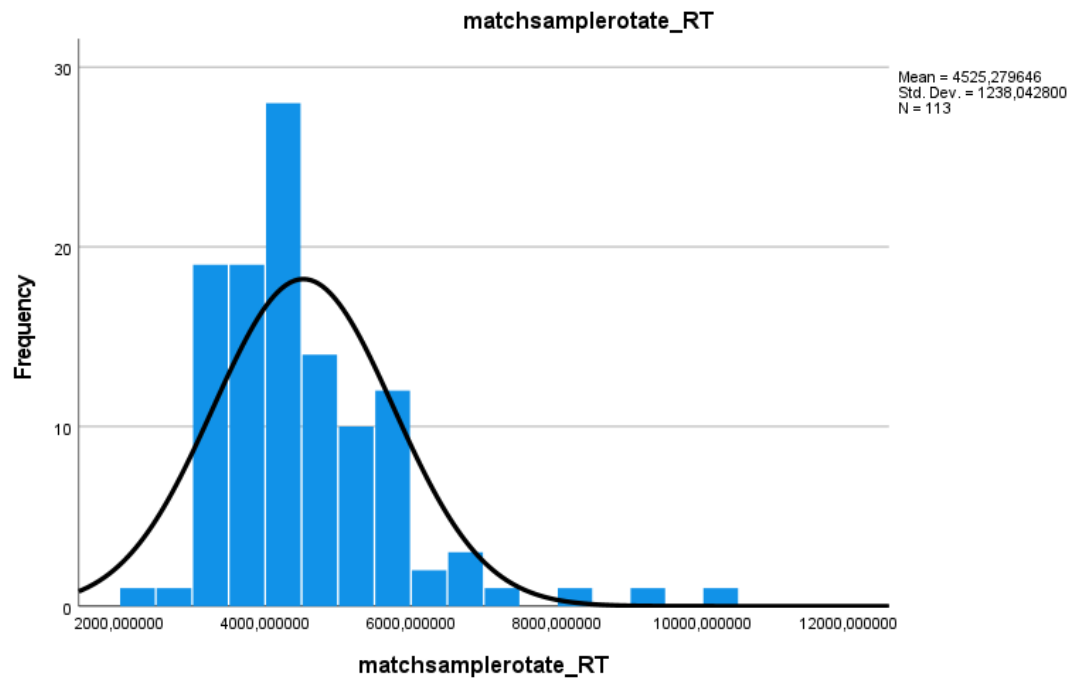
matchsample_IES



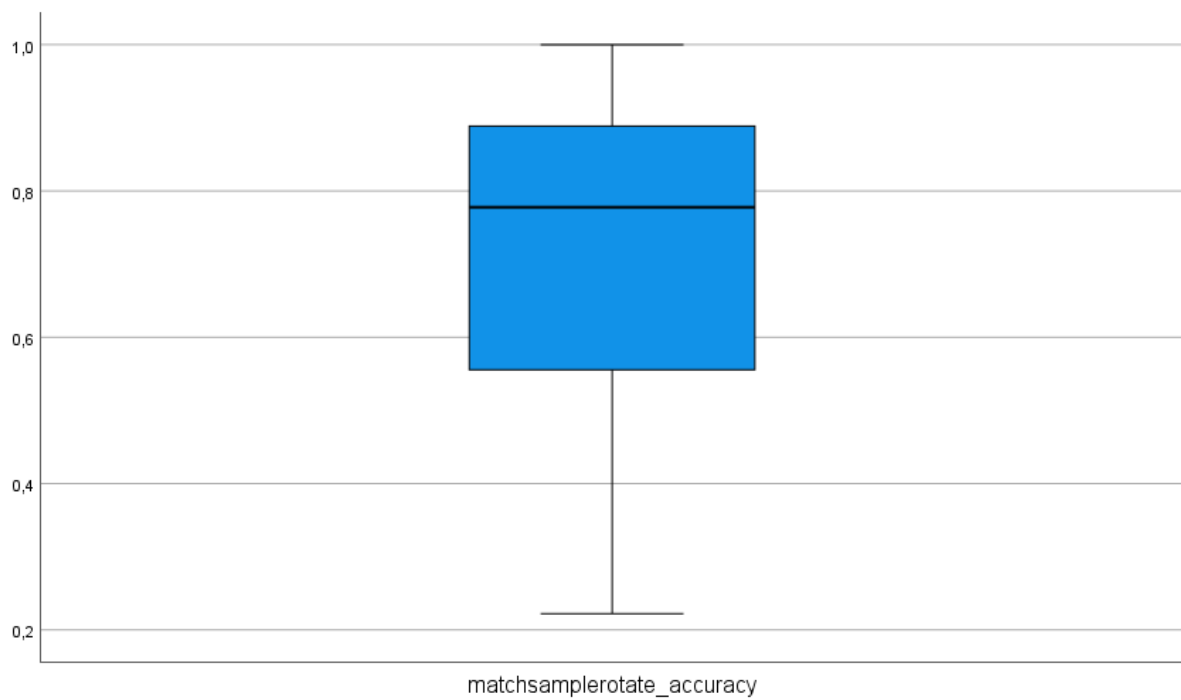


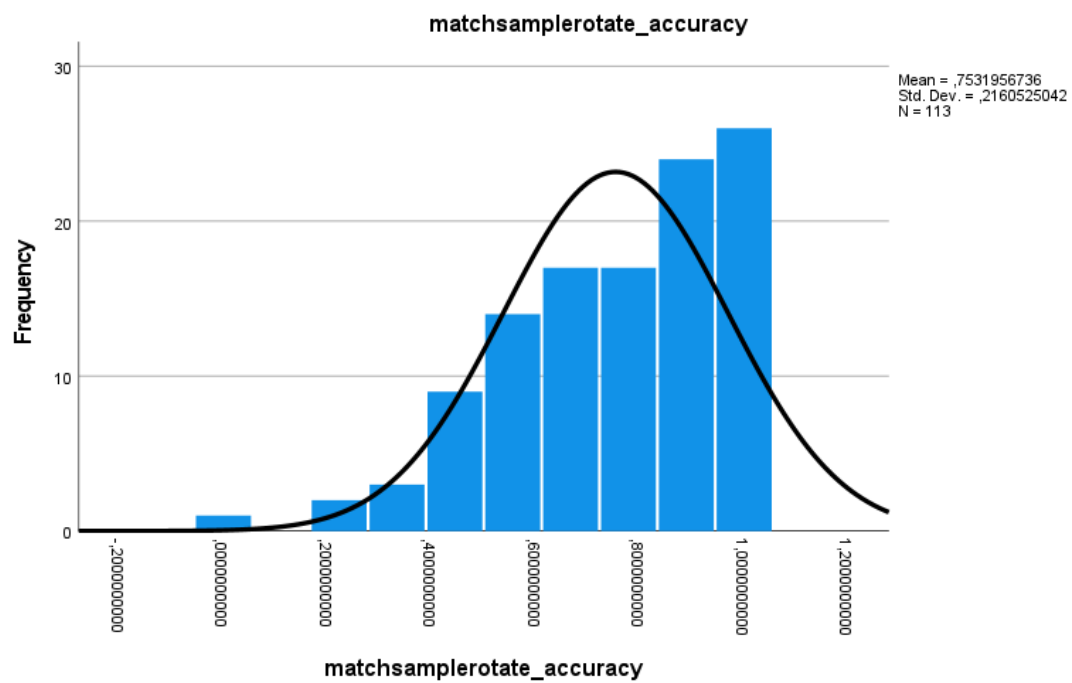
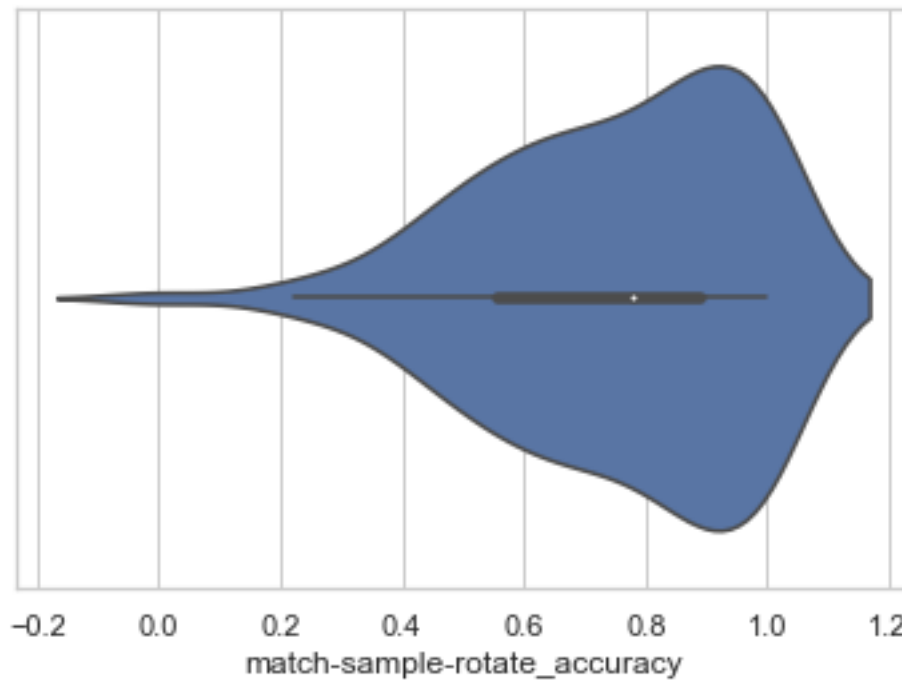
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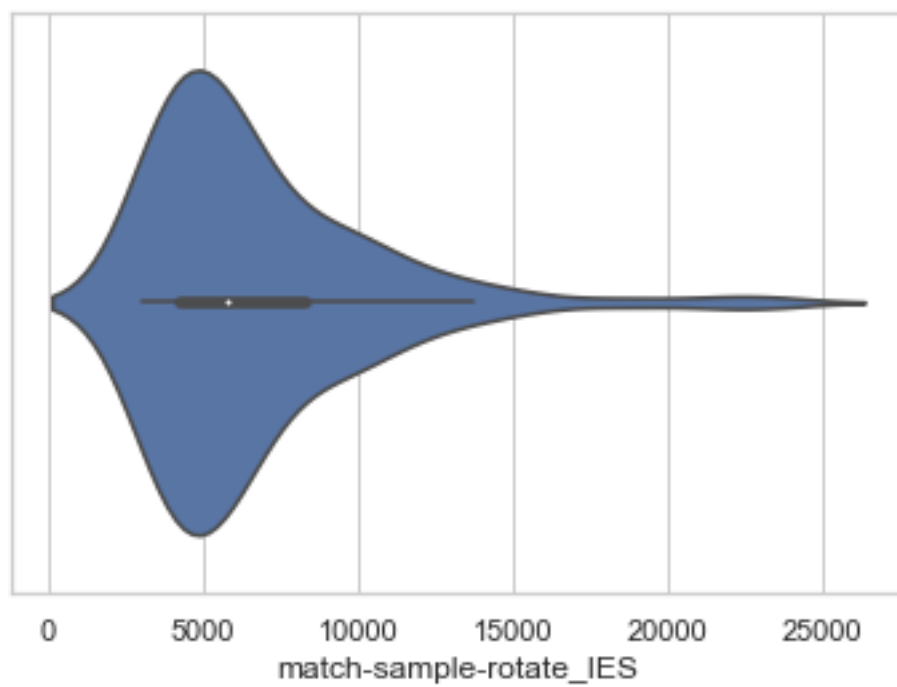
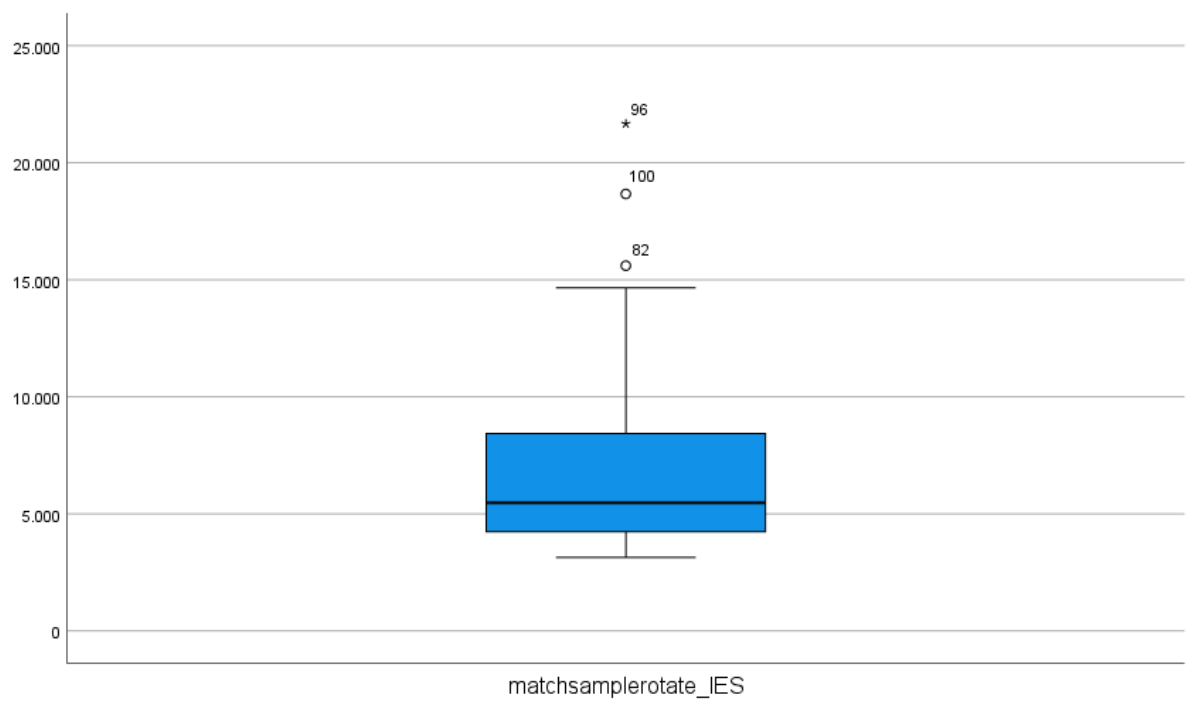


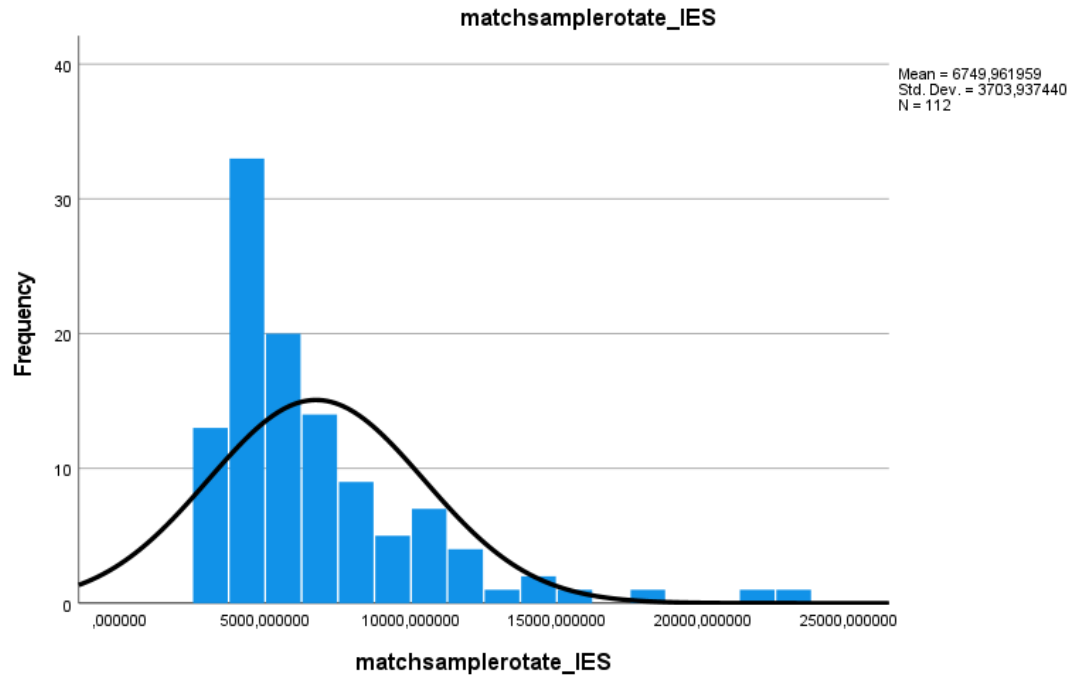
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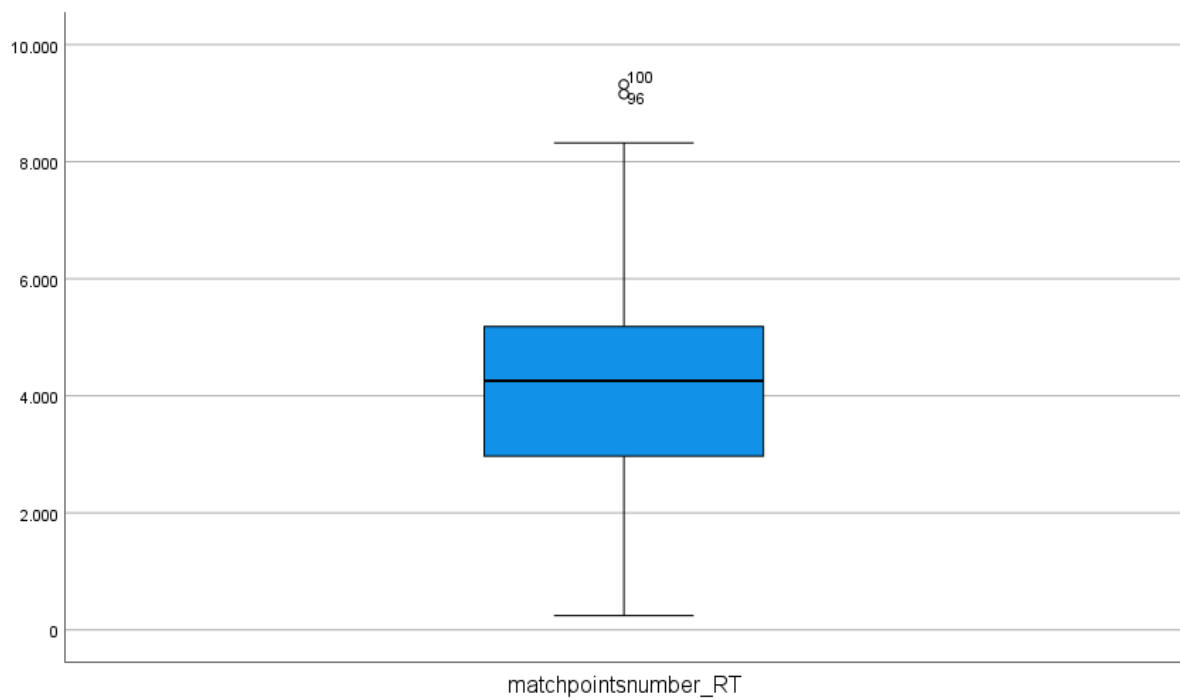


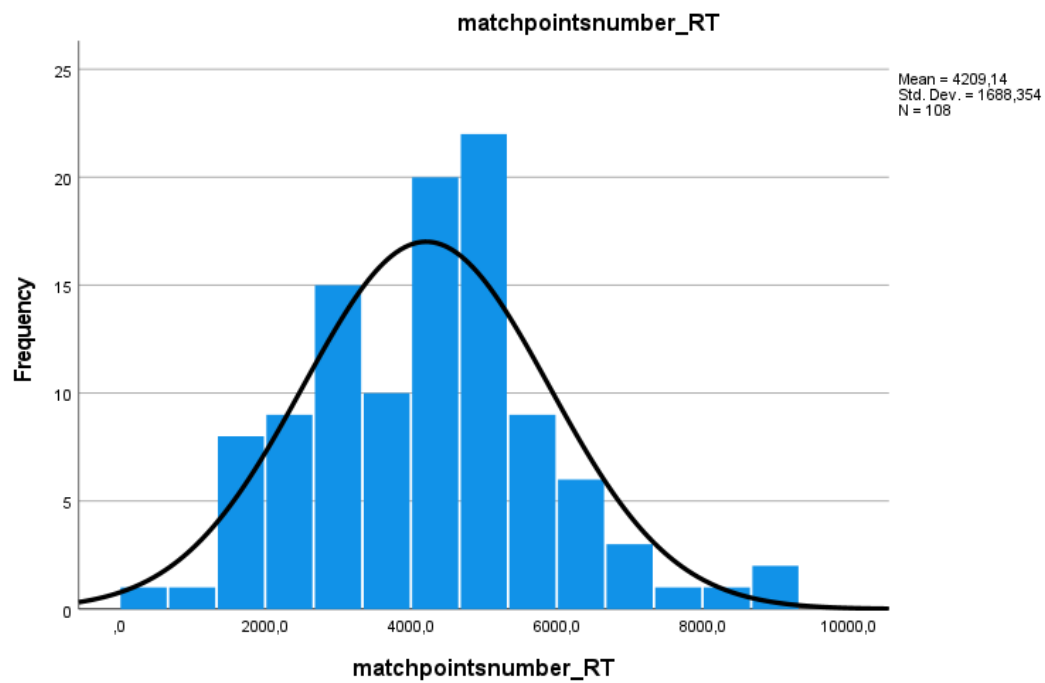
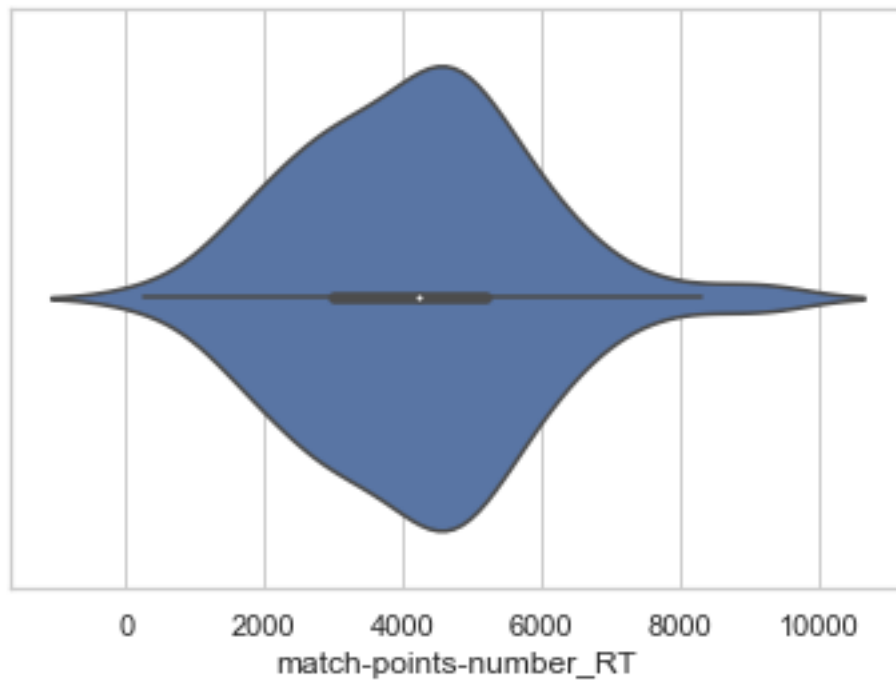
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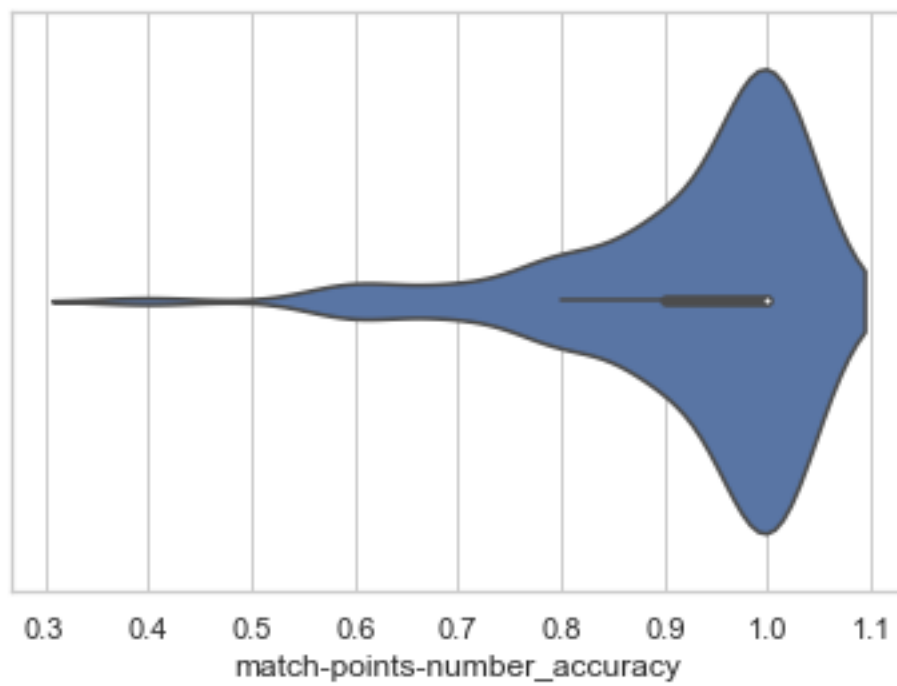
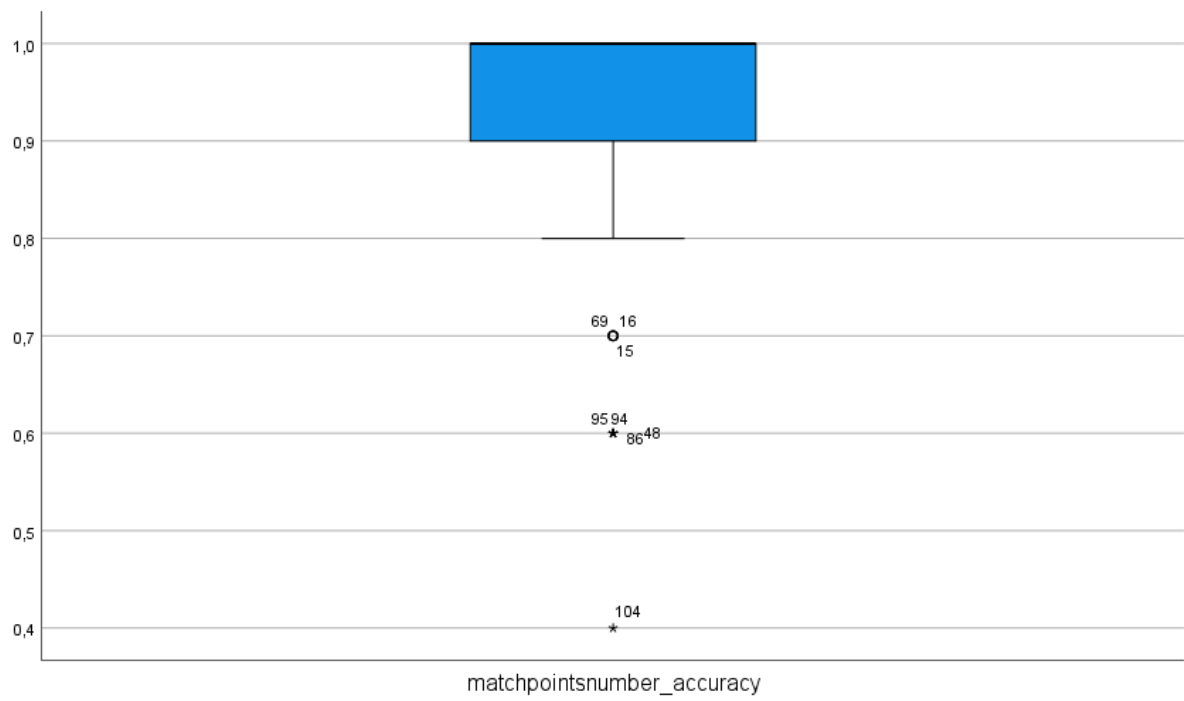


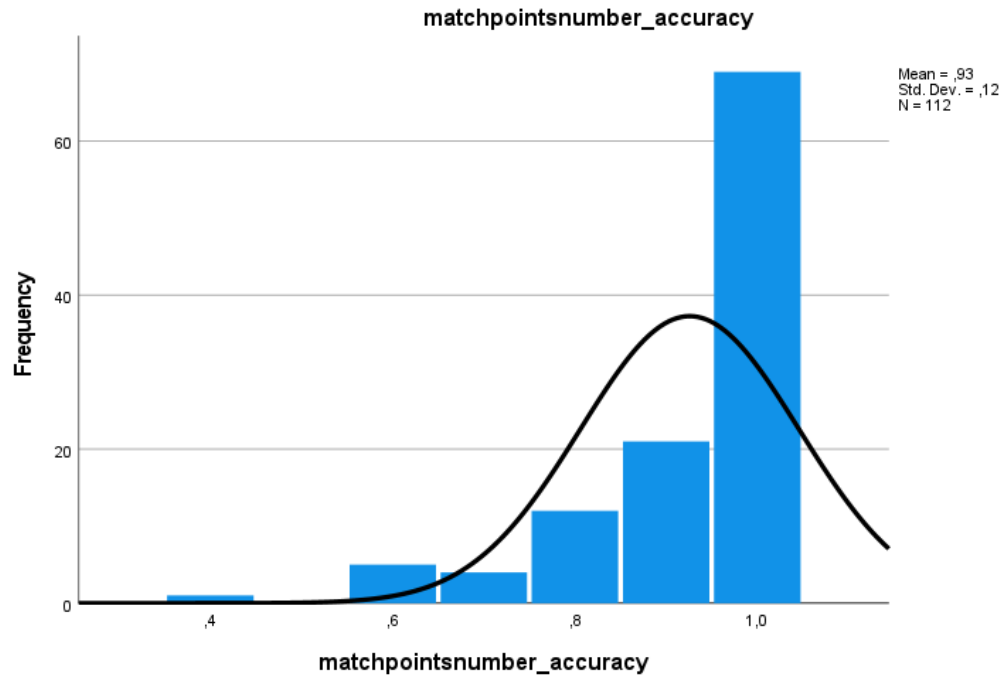
matchpointsnumber_RT



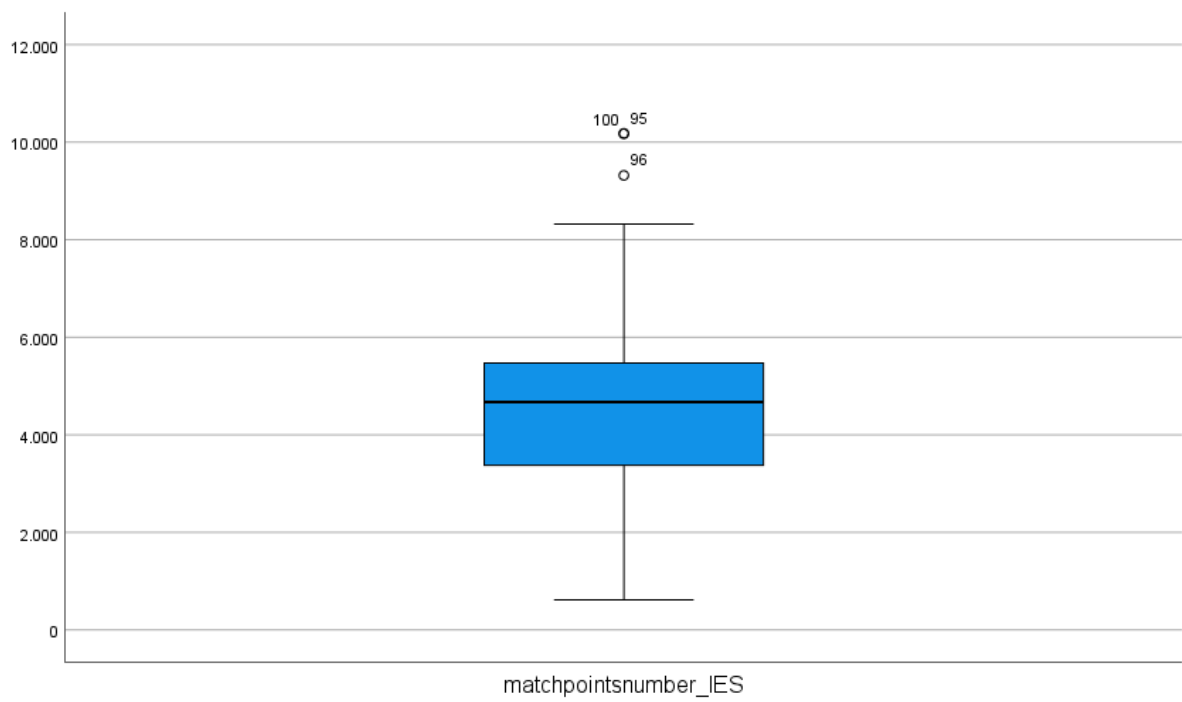


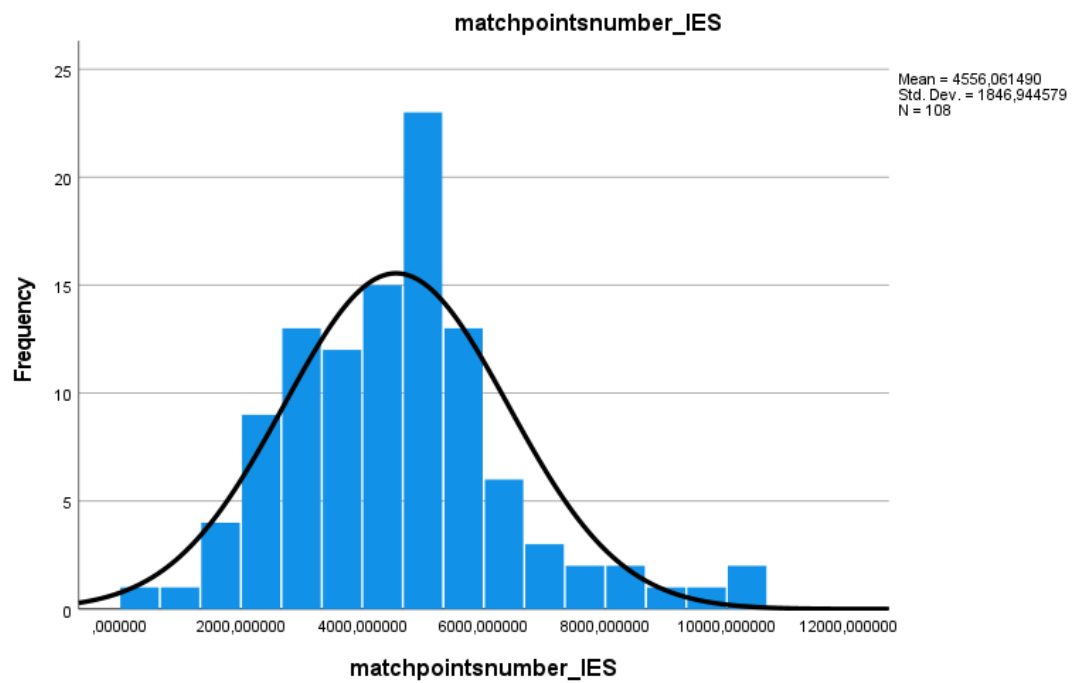
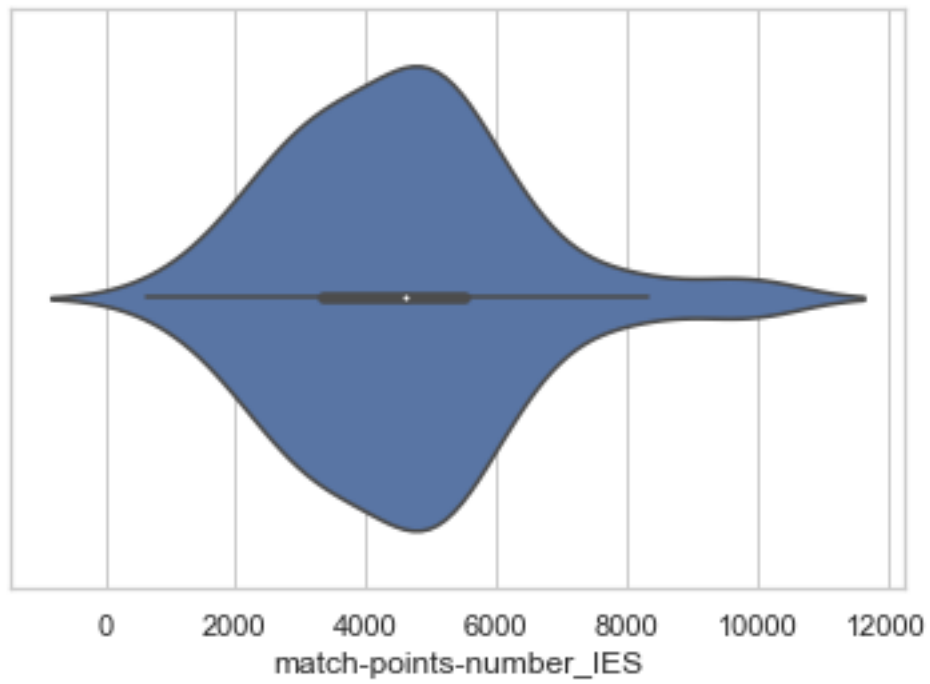
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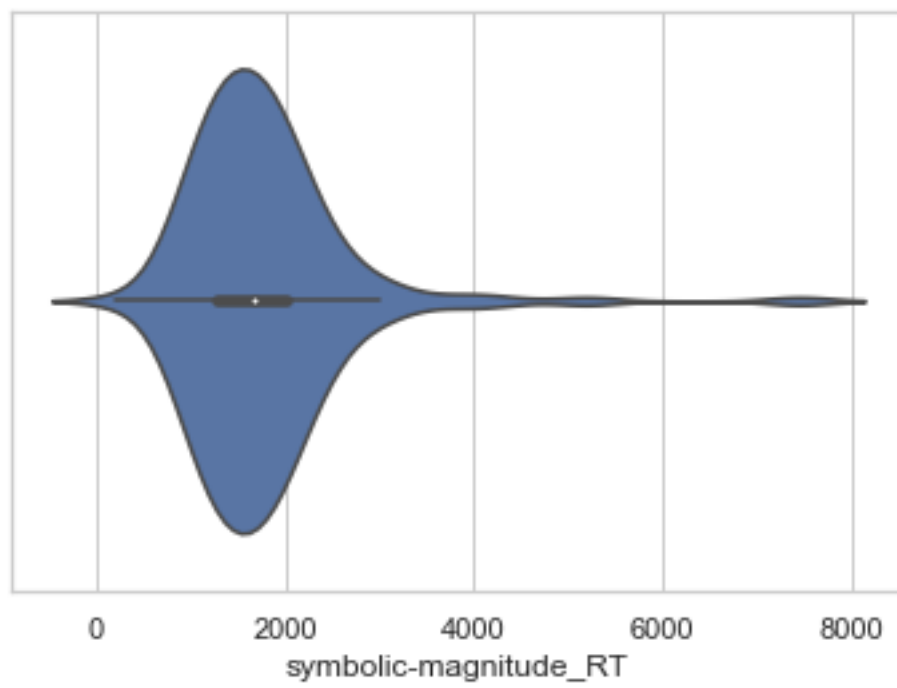
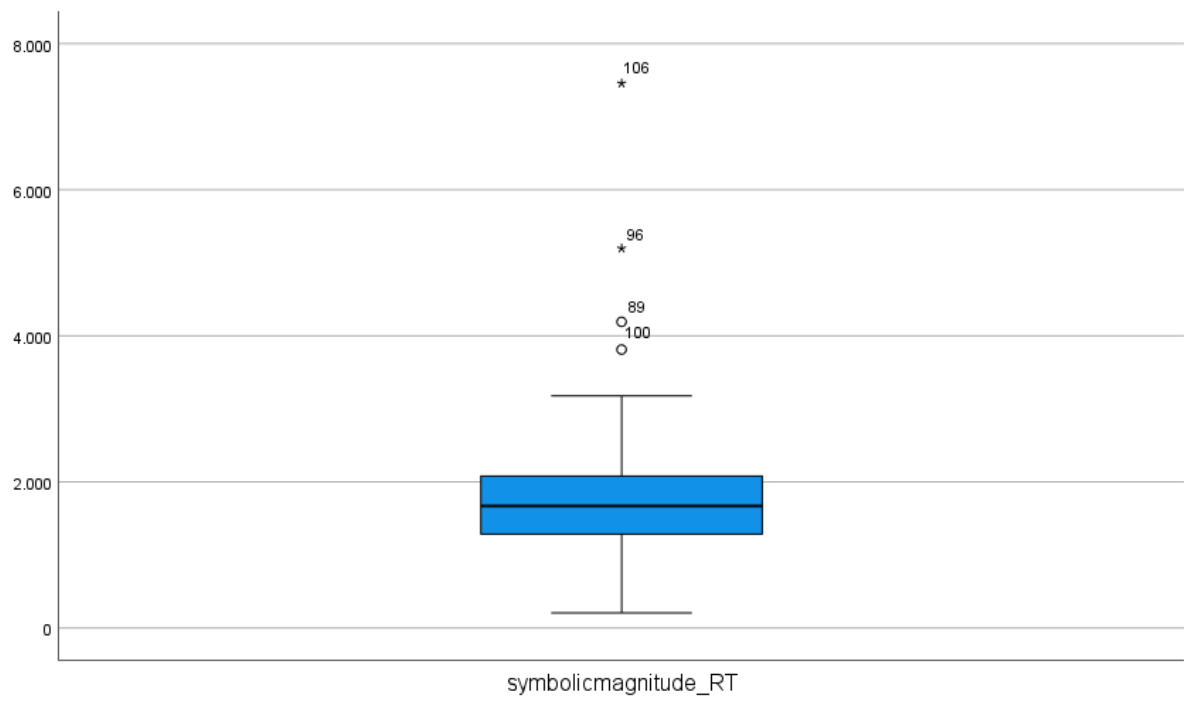


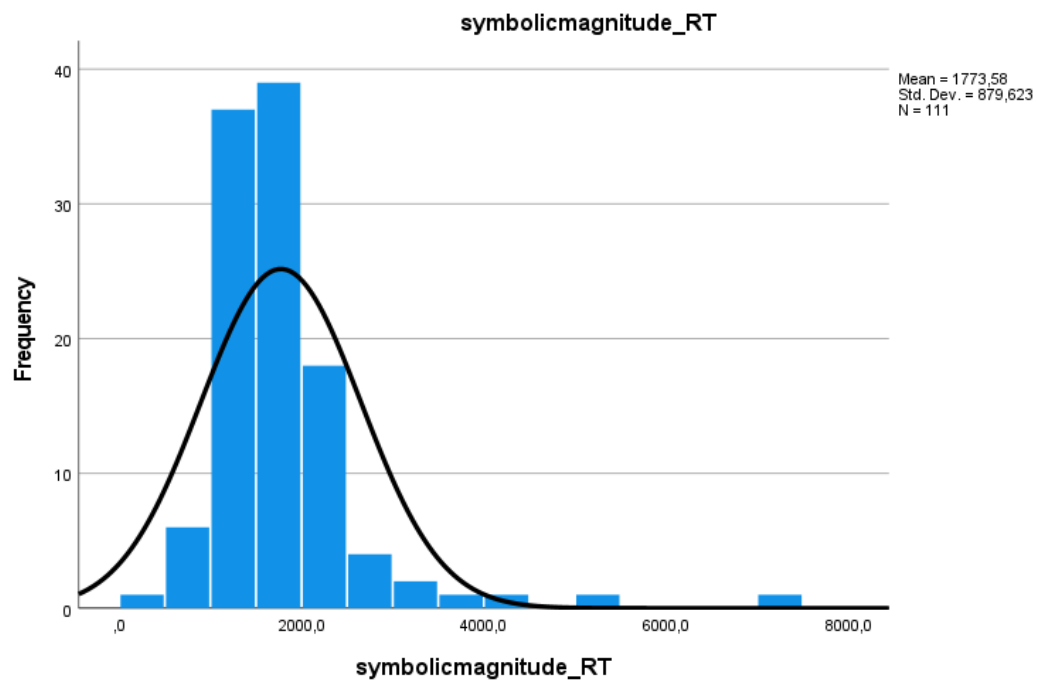
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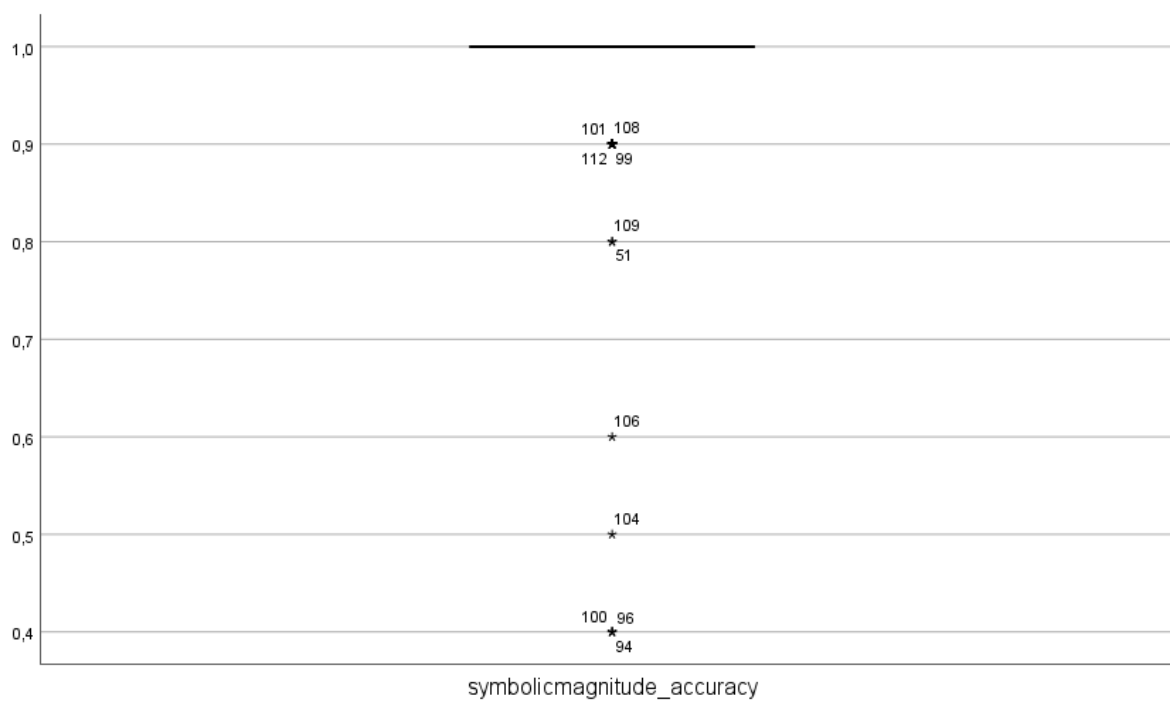


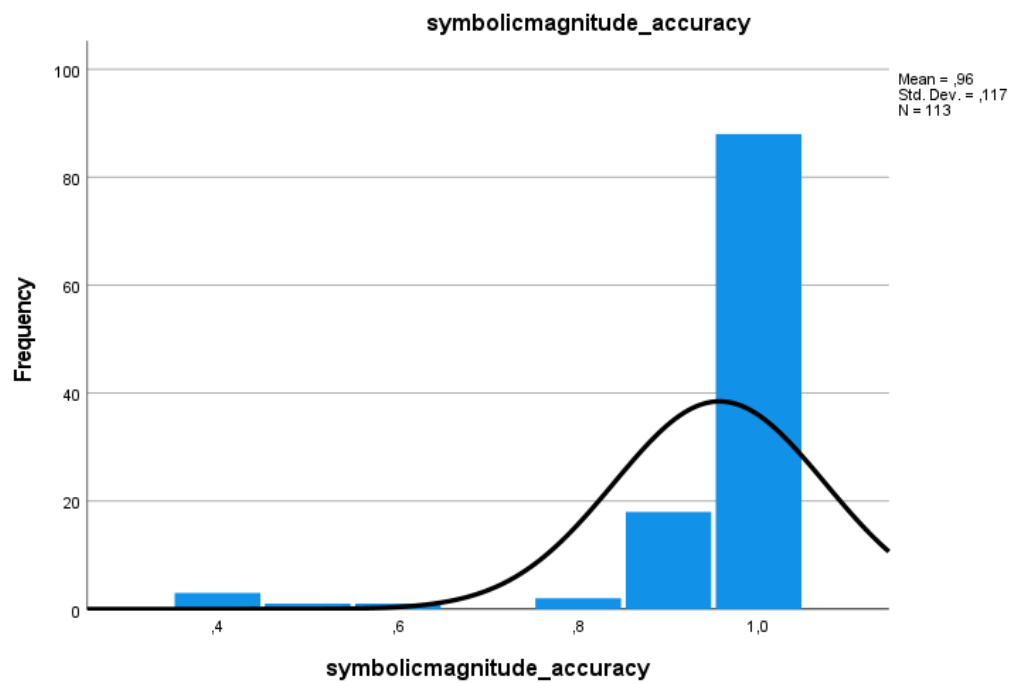
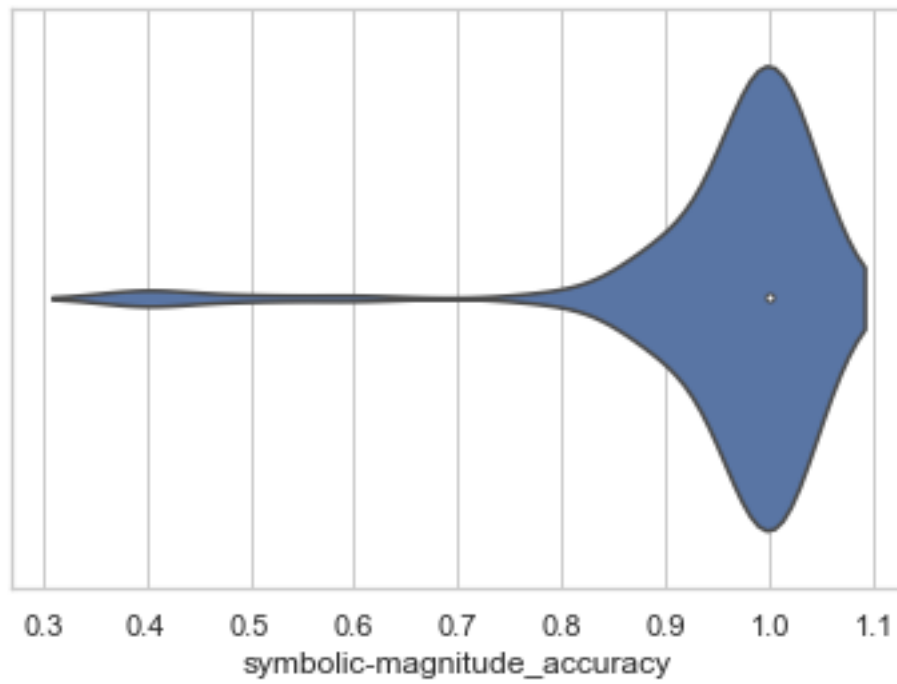
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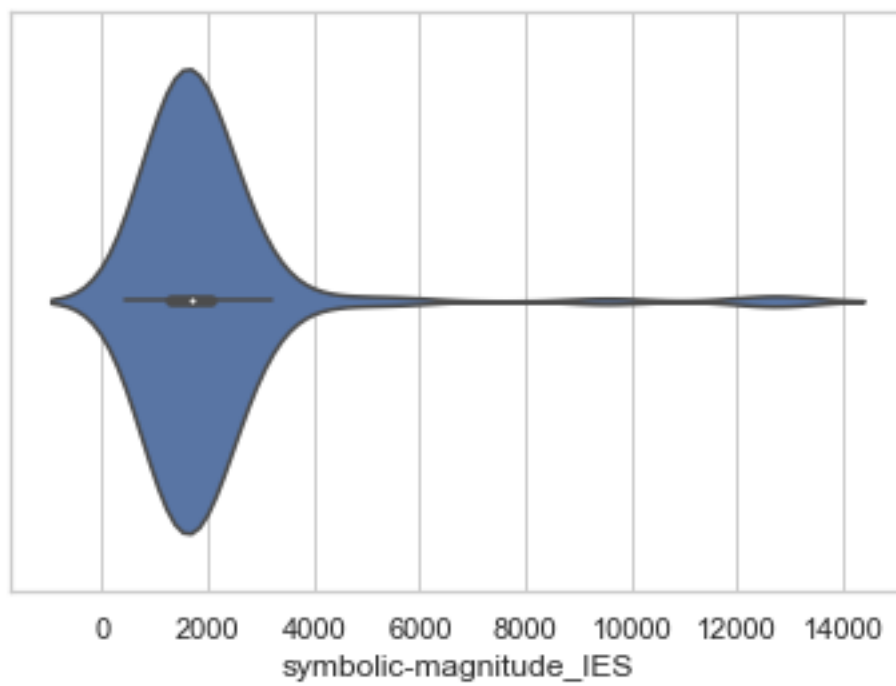
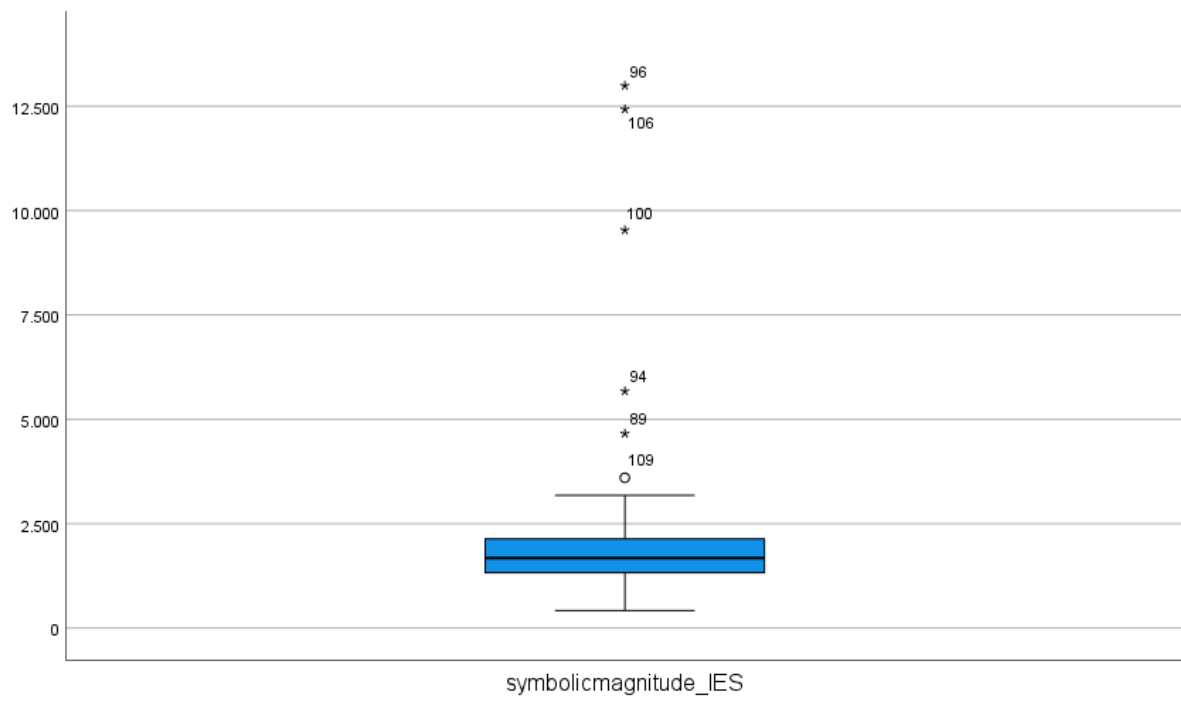


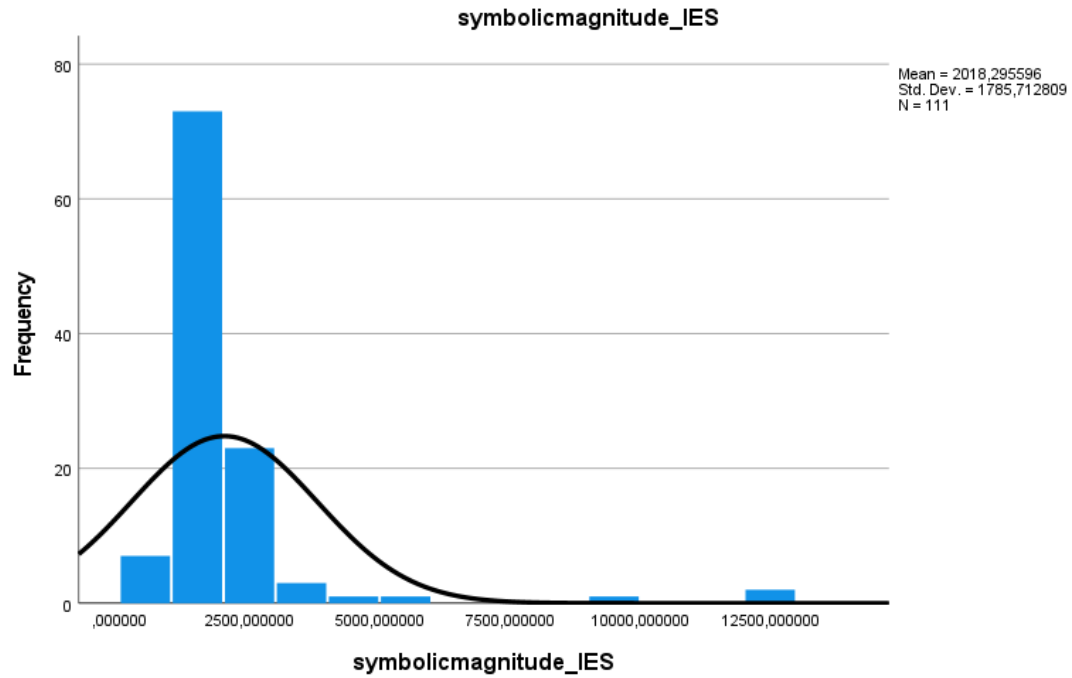
symbolicmagnitude_accuracy



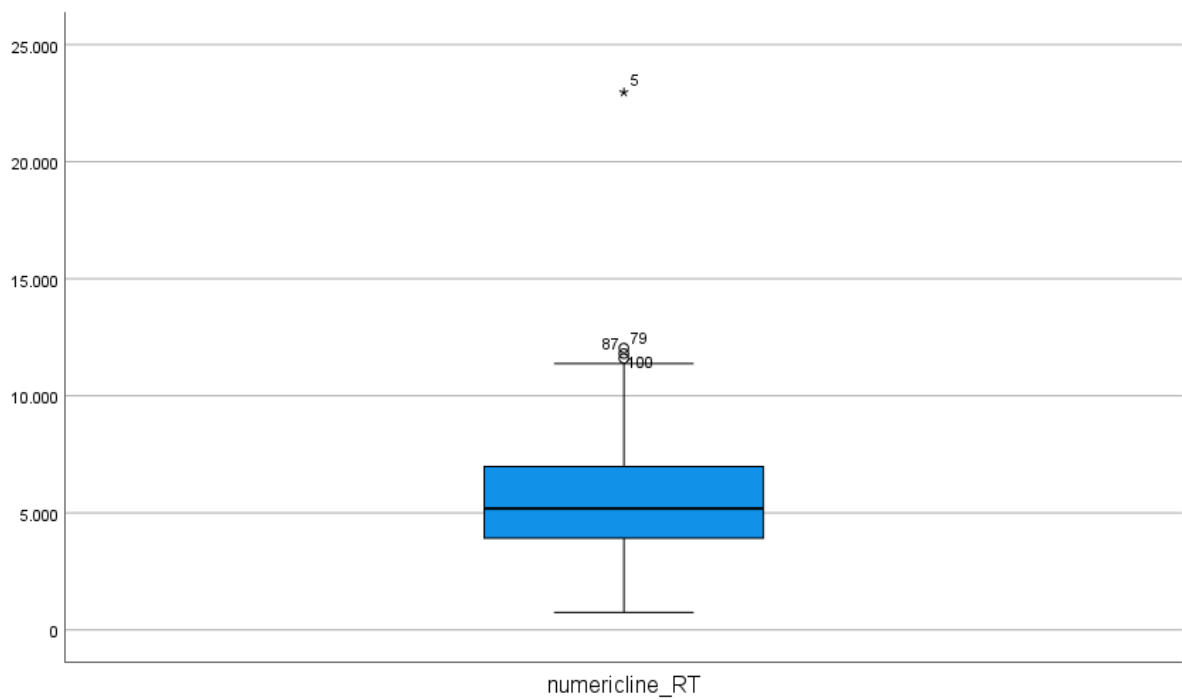


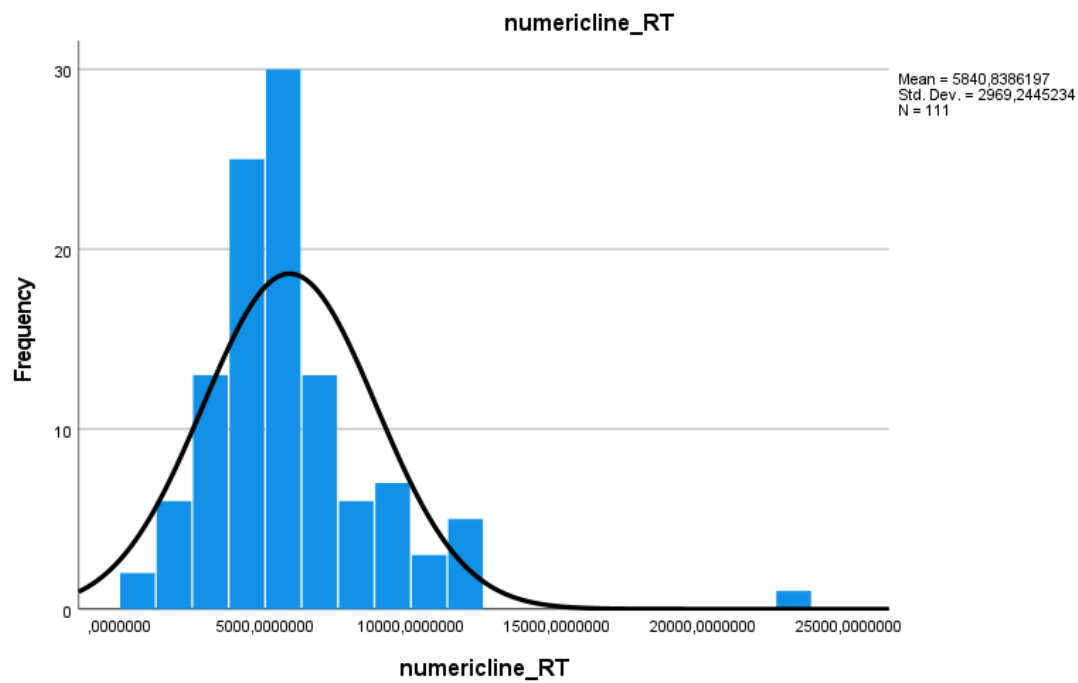
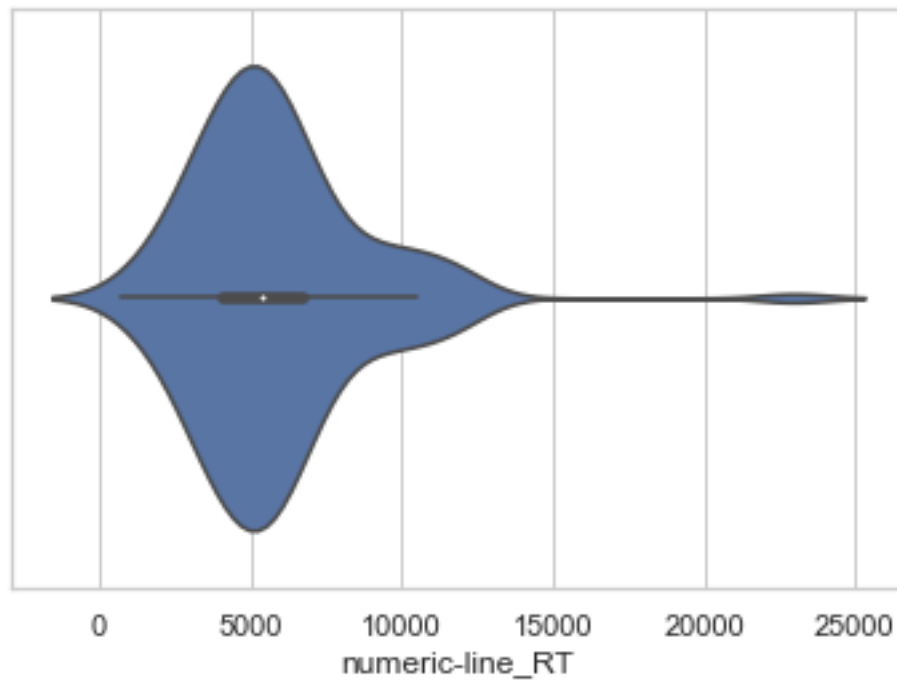
symbolicmagnitude_IES



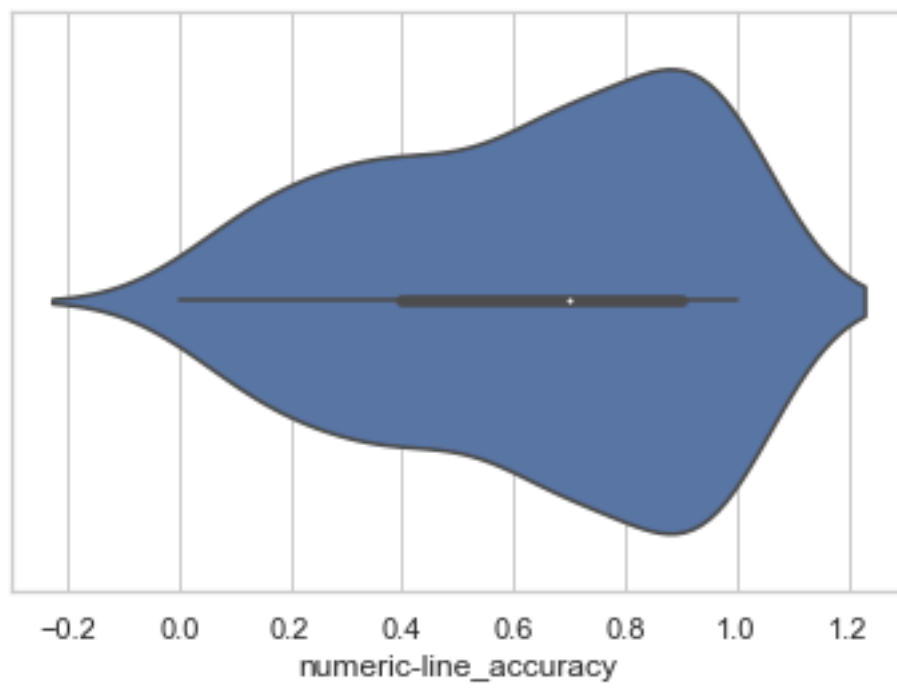
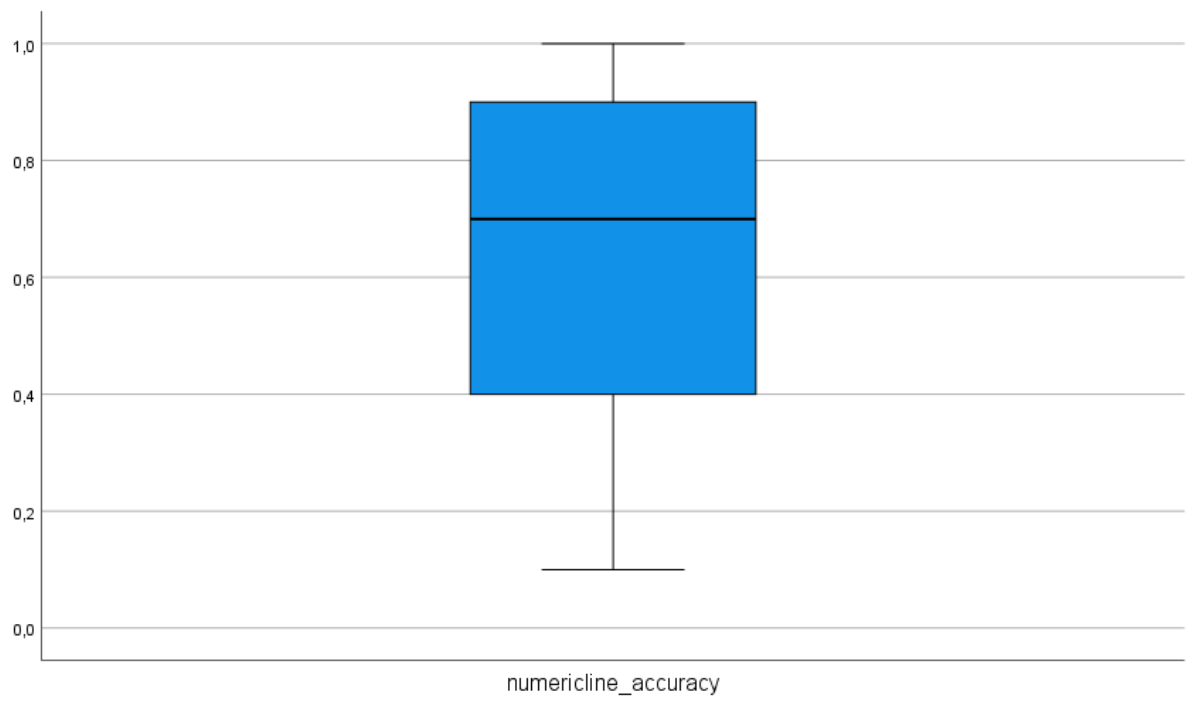


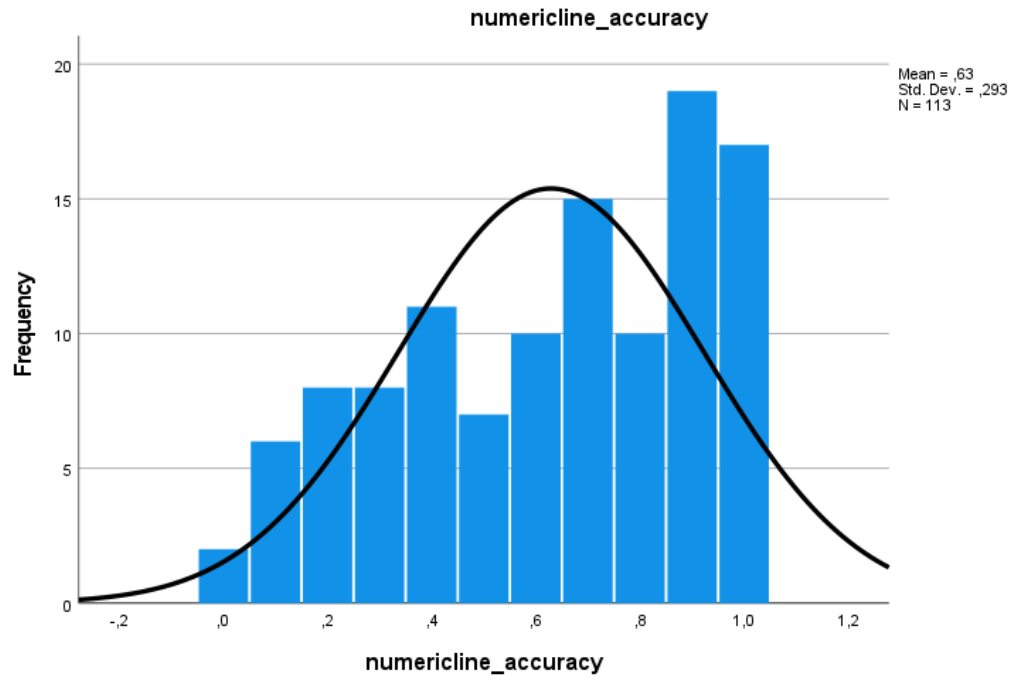
numericline_RT



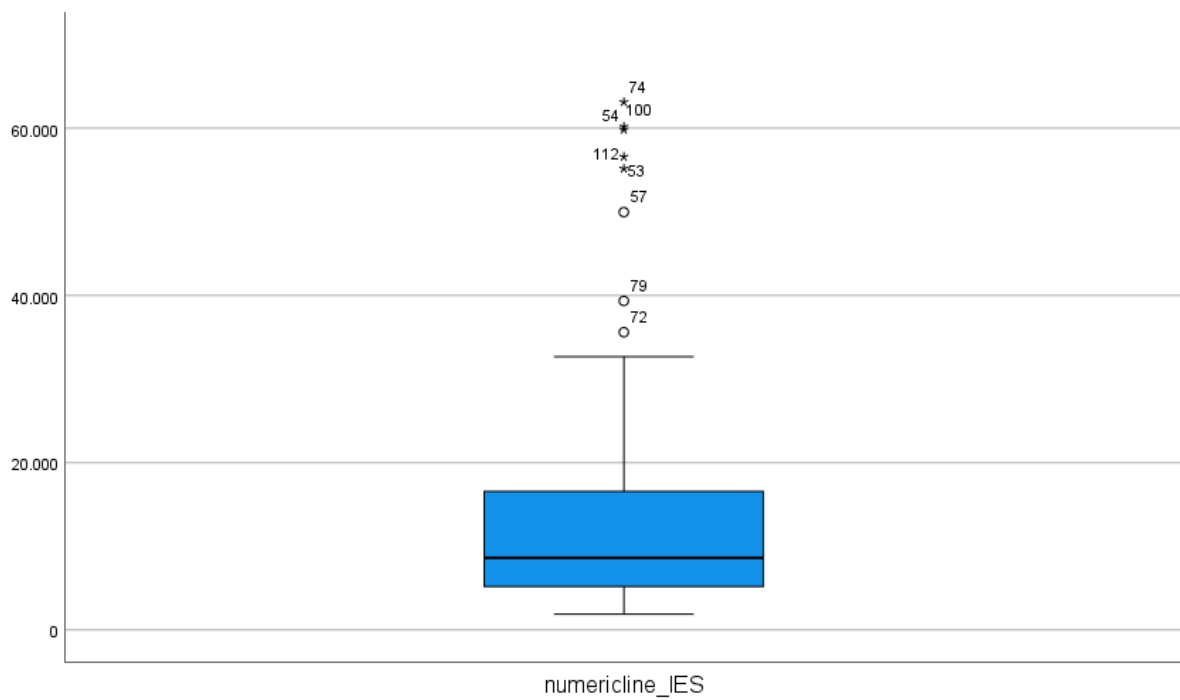


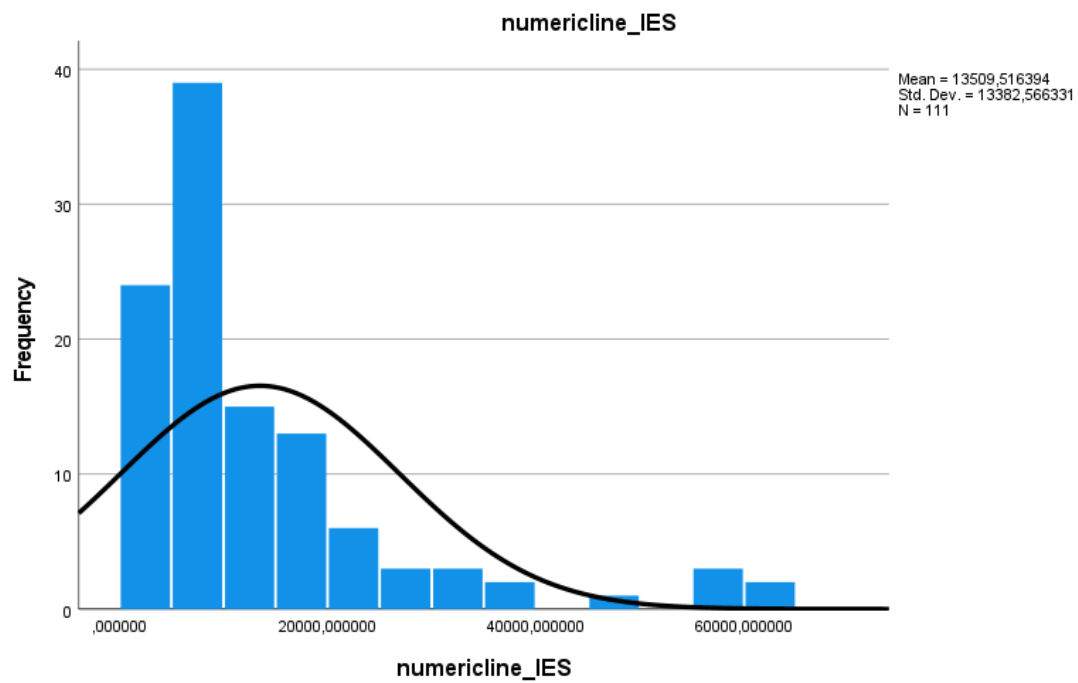
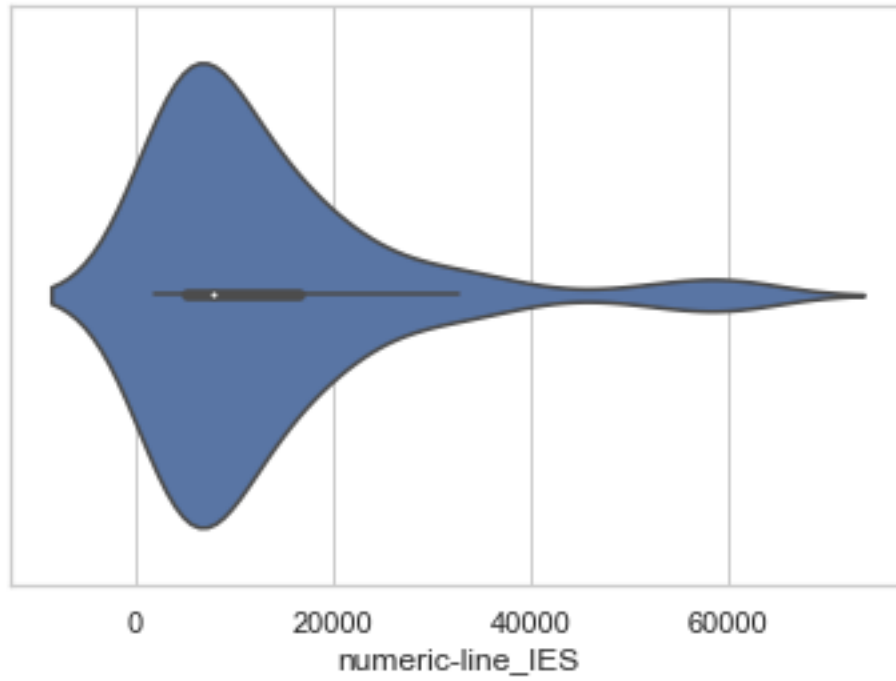
numericline_accuracy



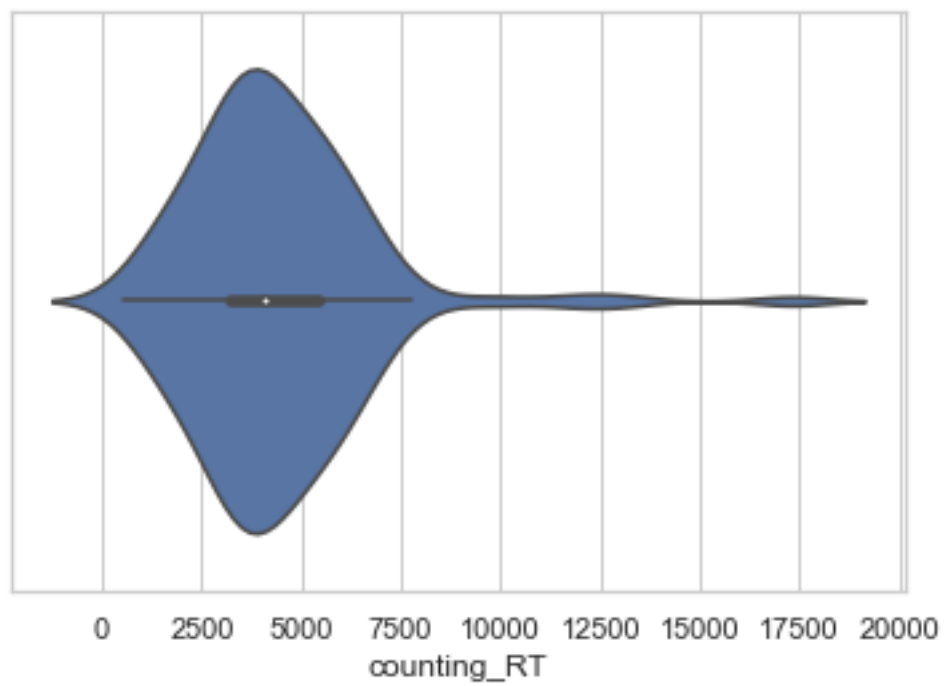
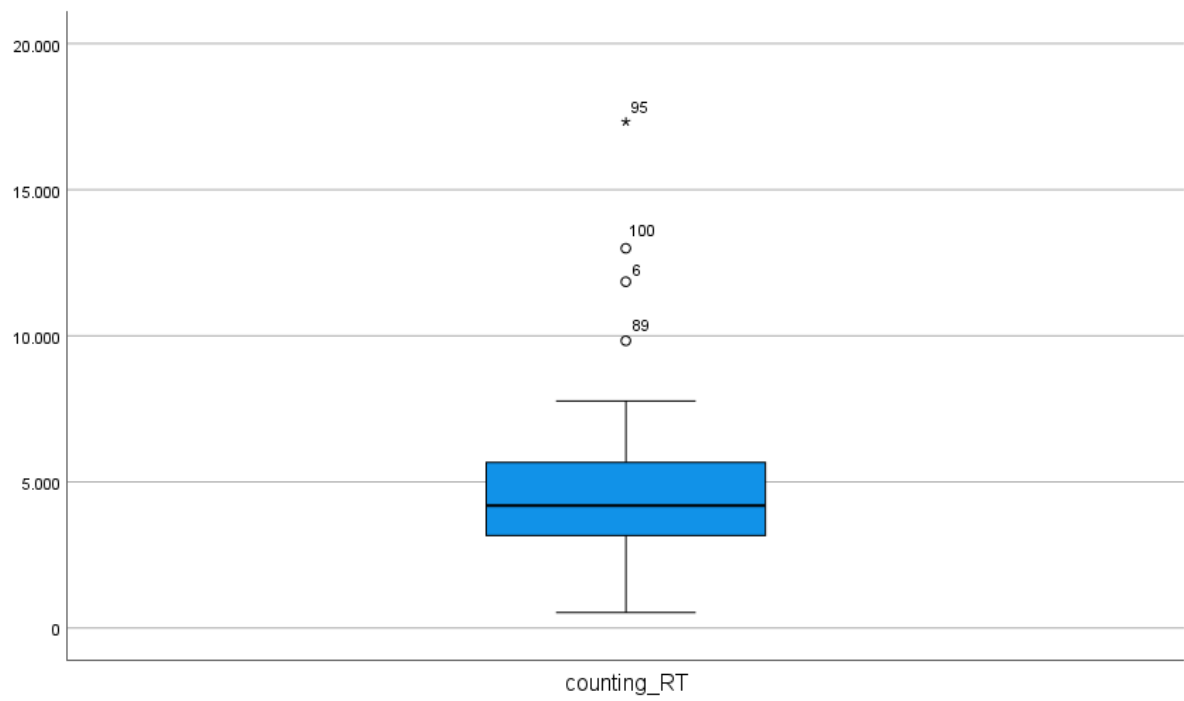


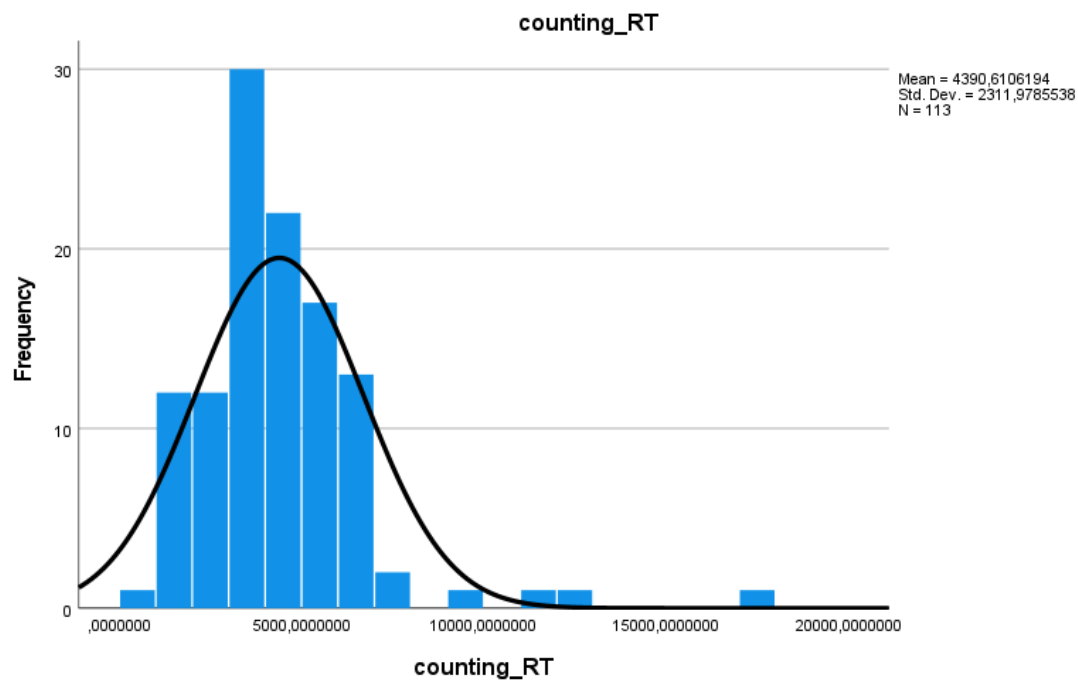
numericline_IES



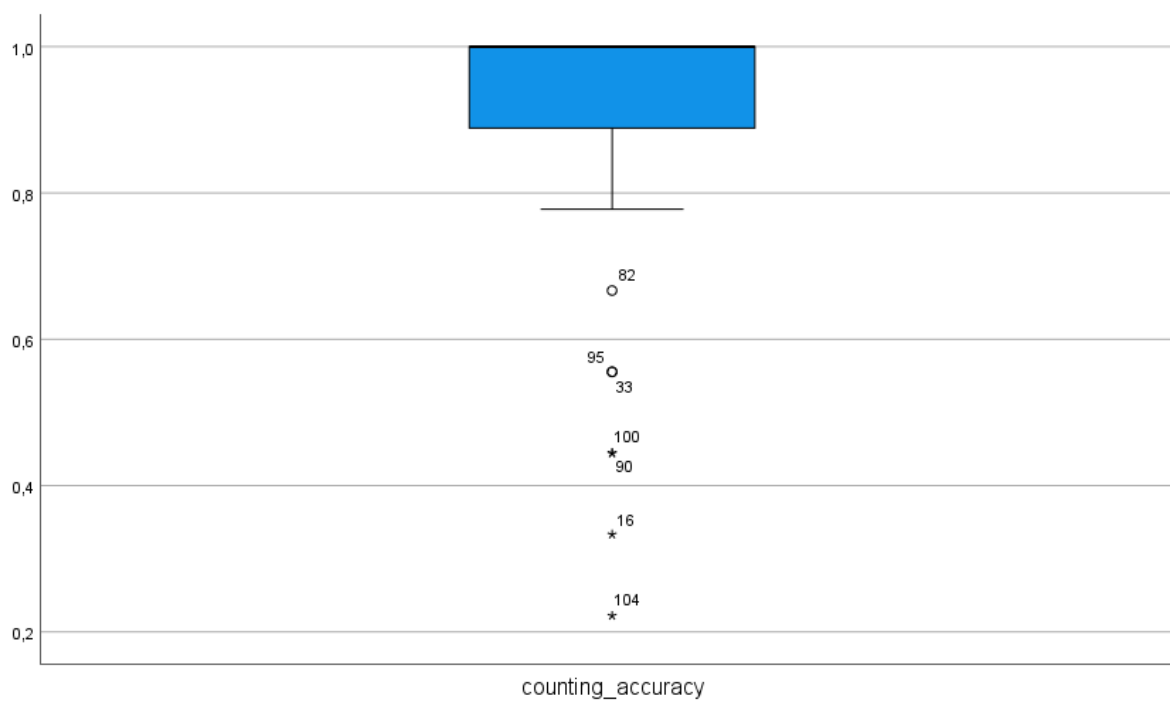


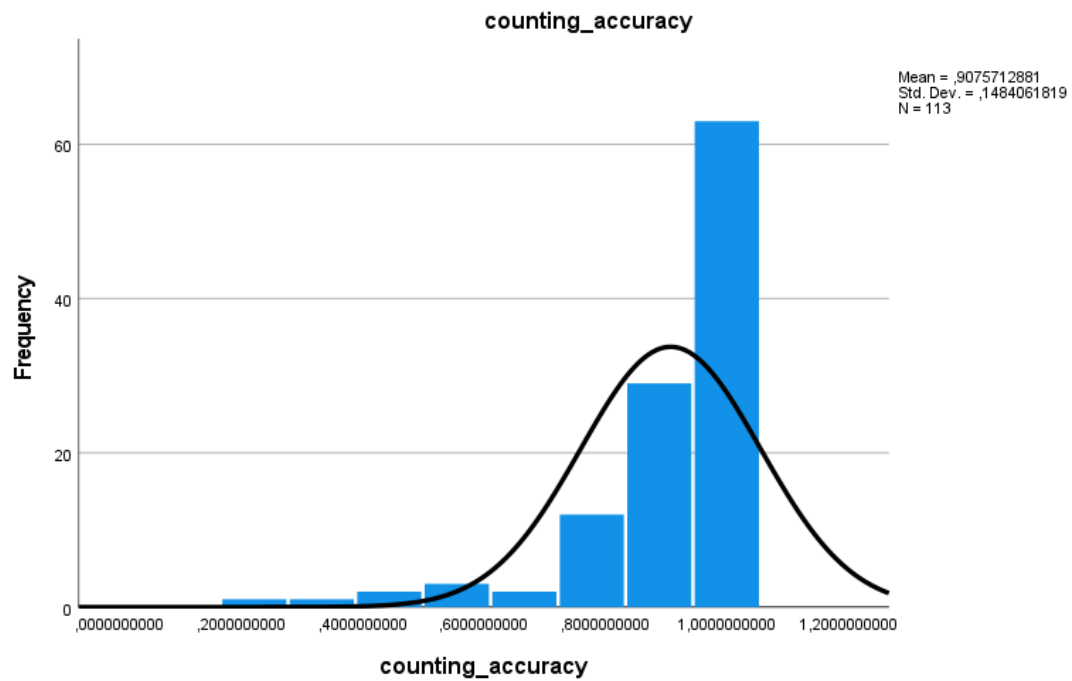
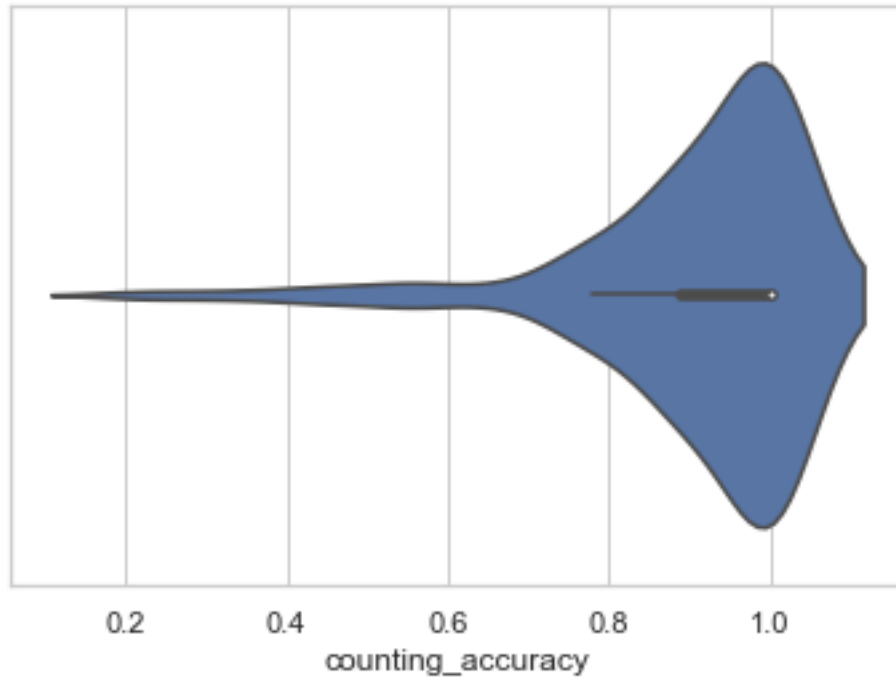
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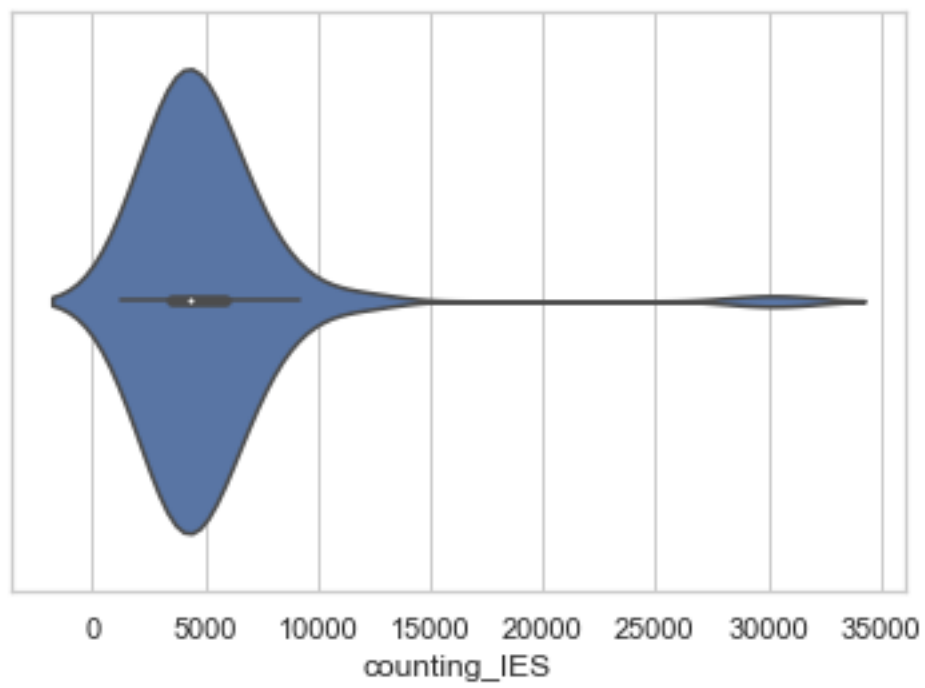
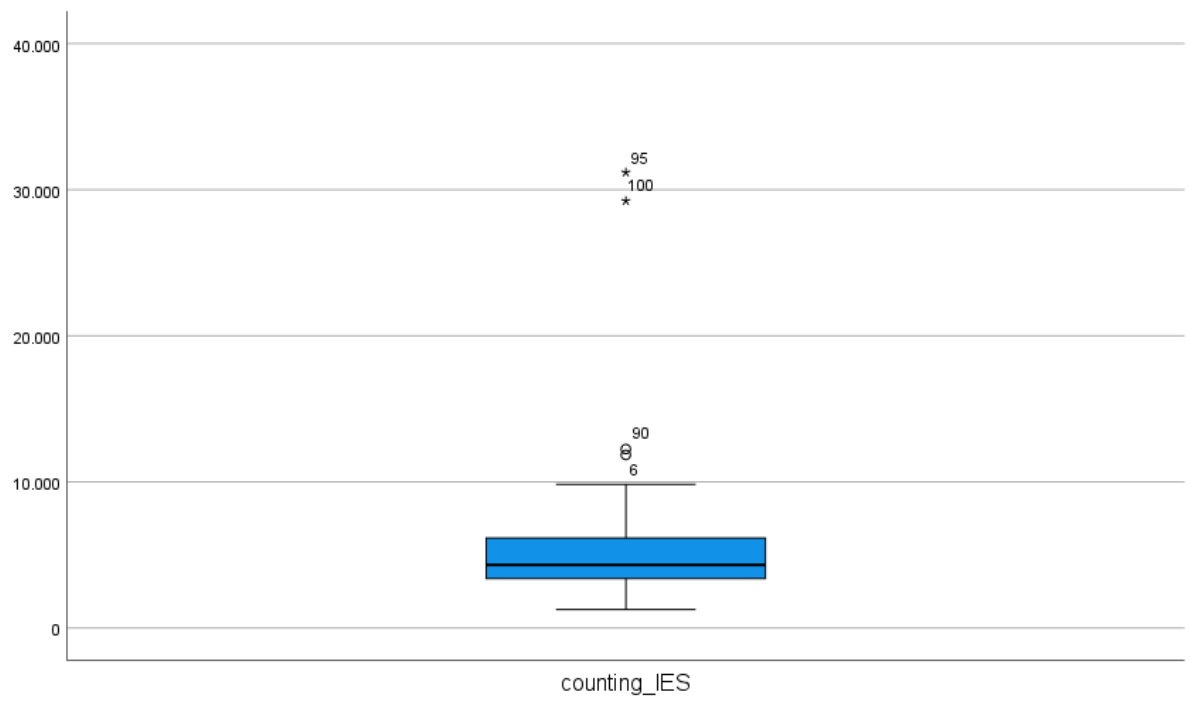


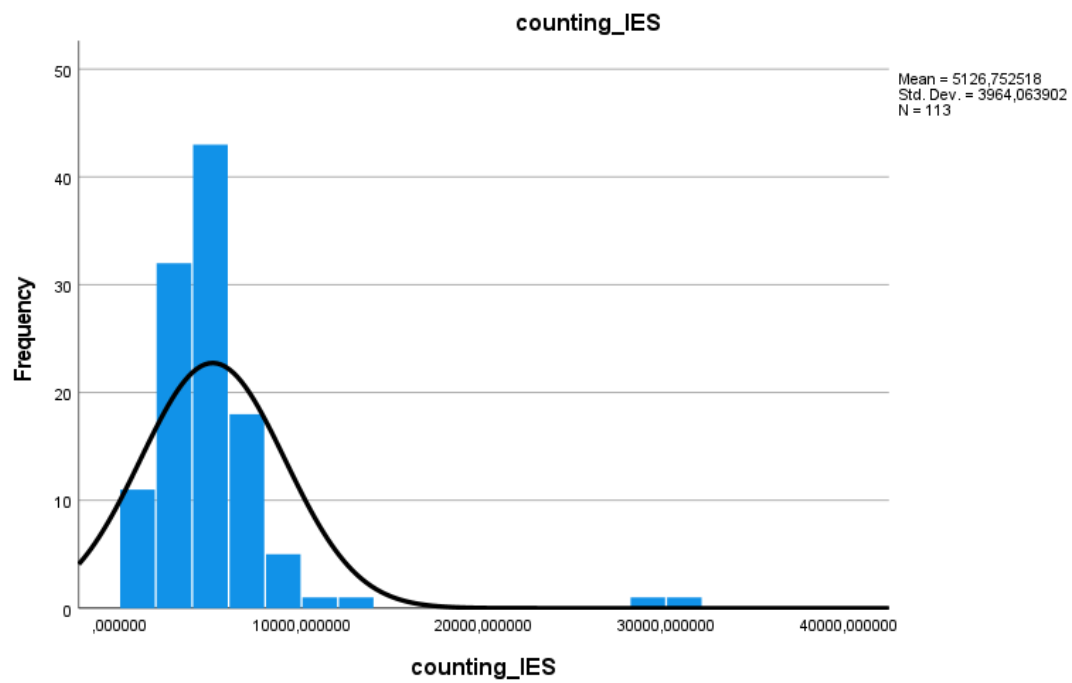
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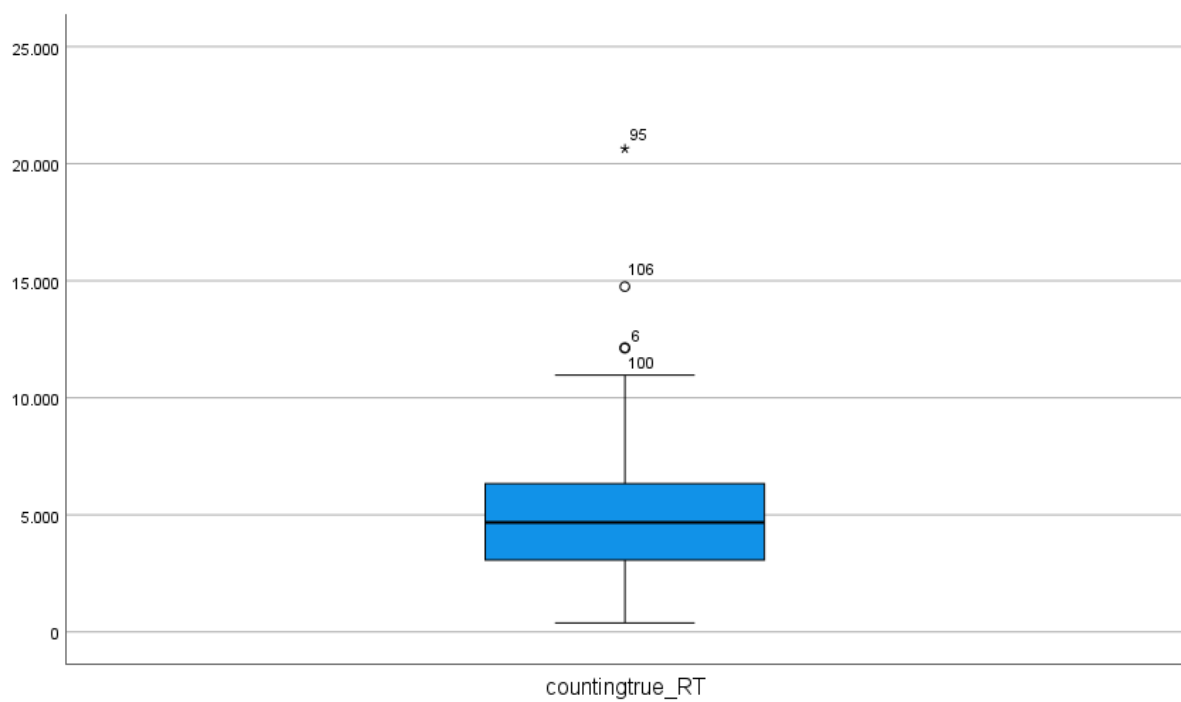


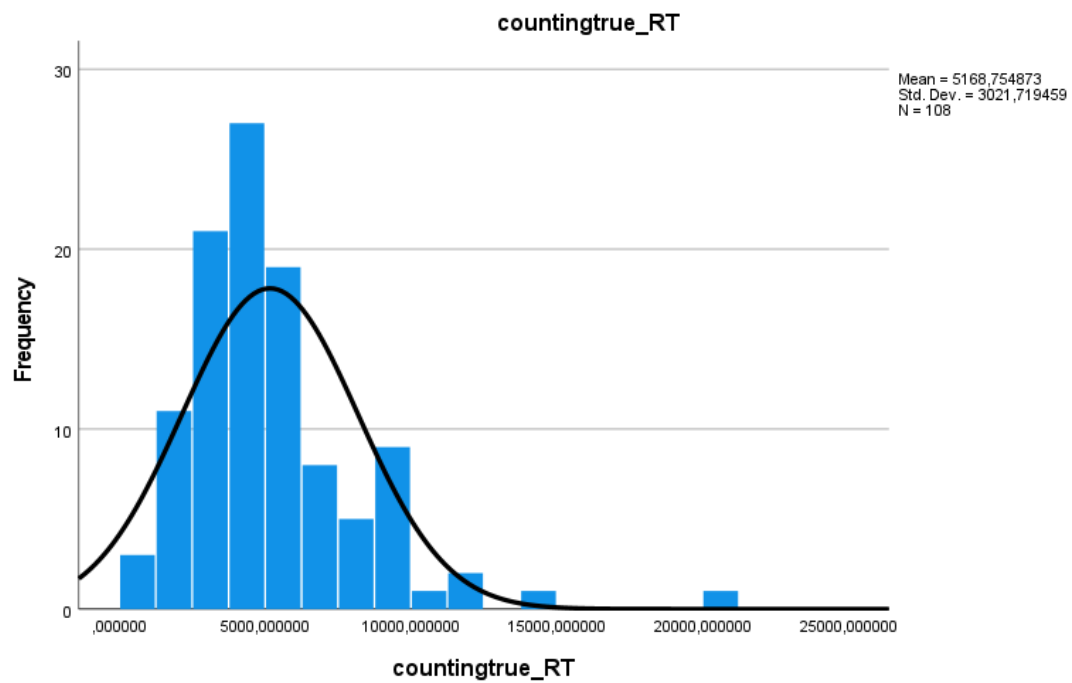
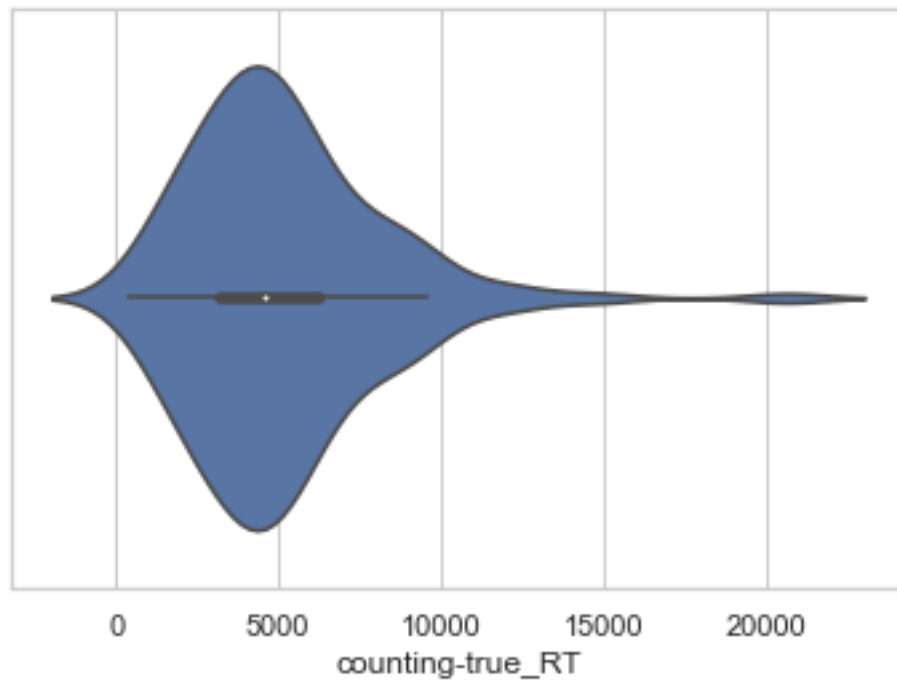
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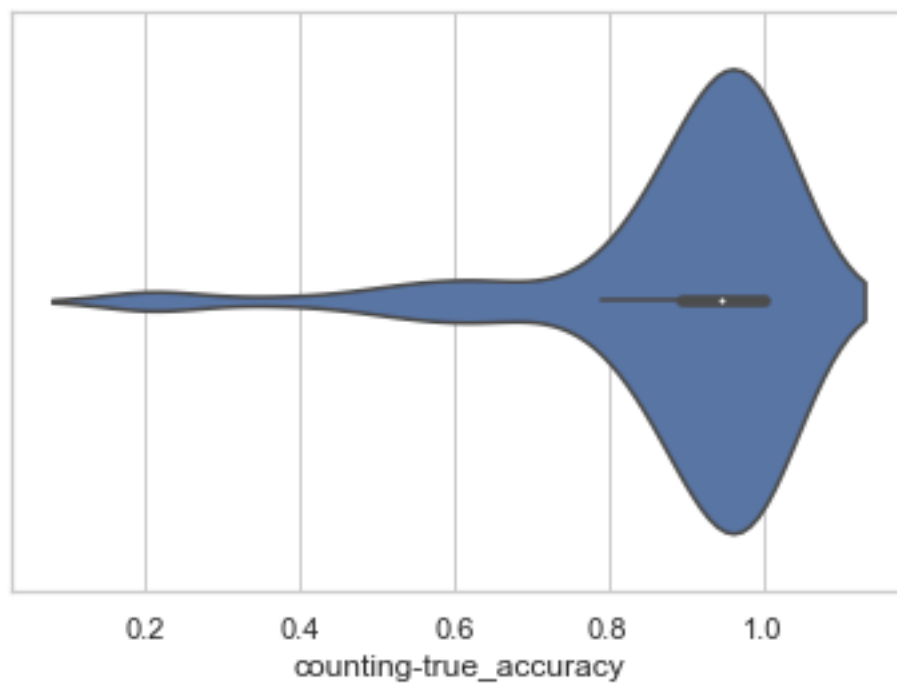
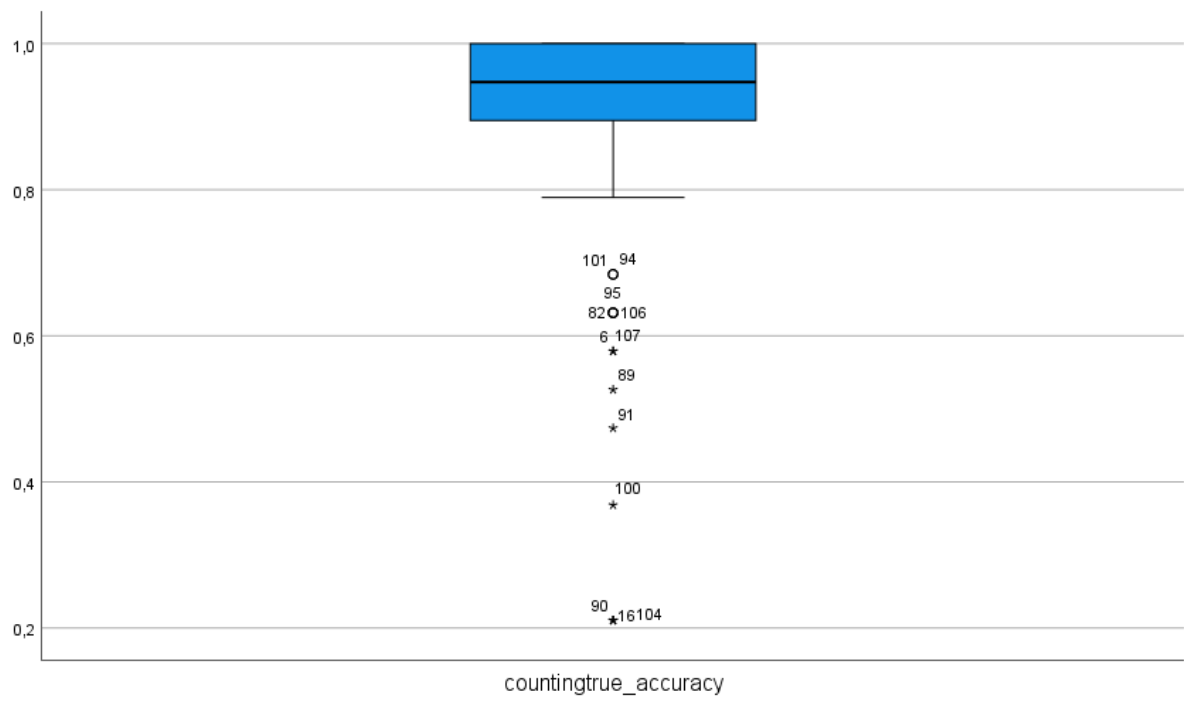


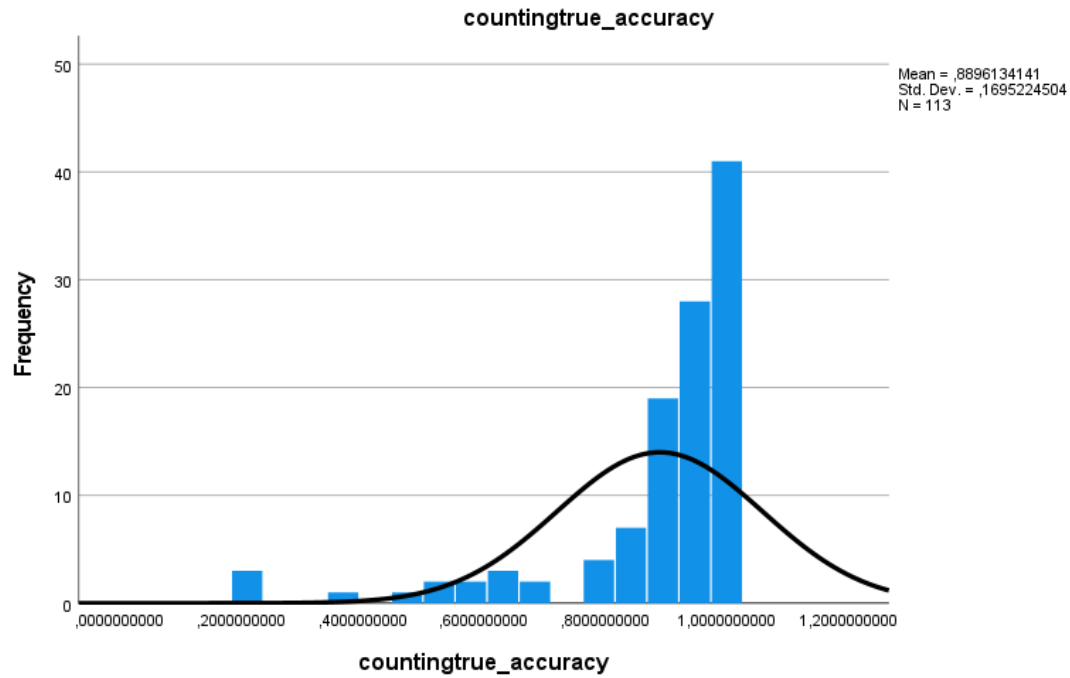
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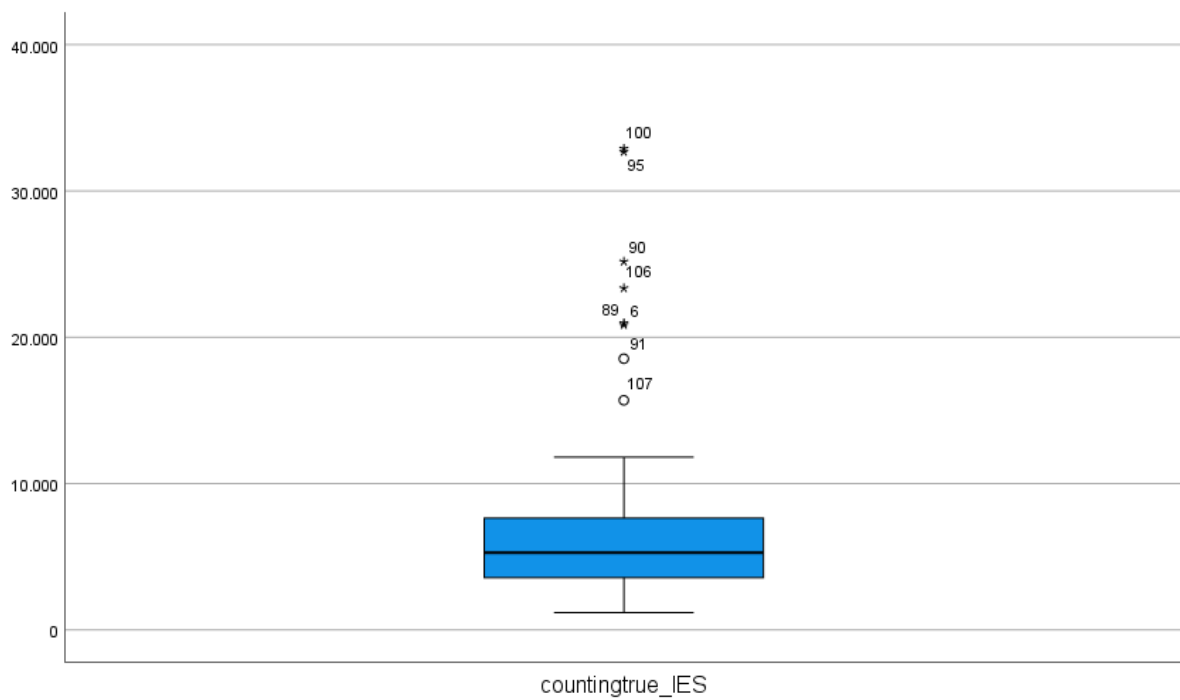


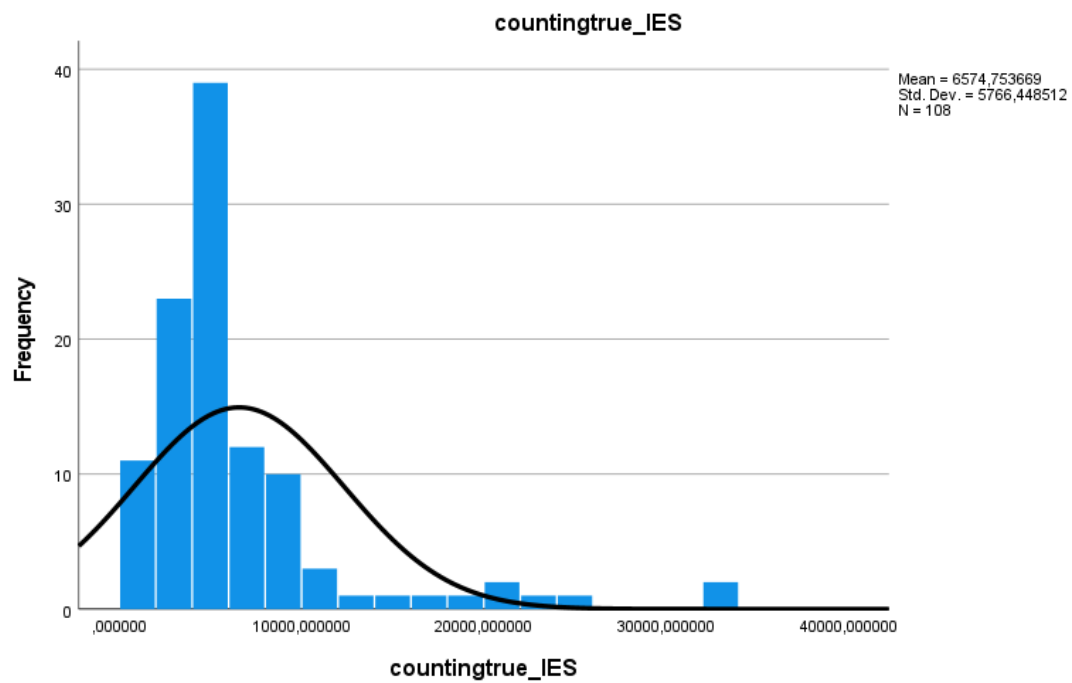
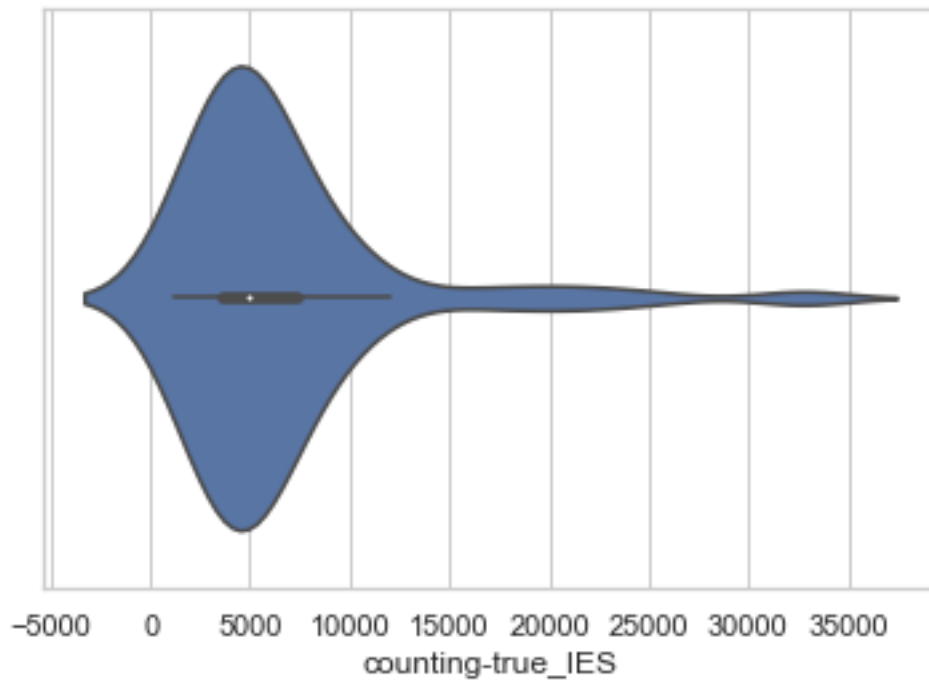
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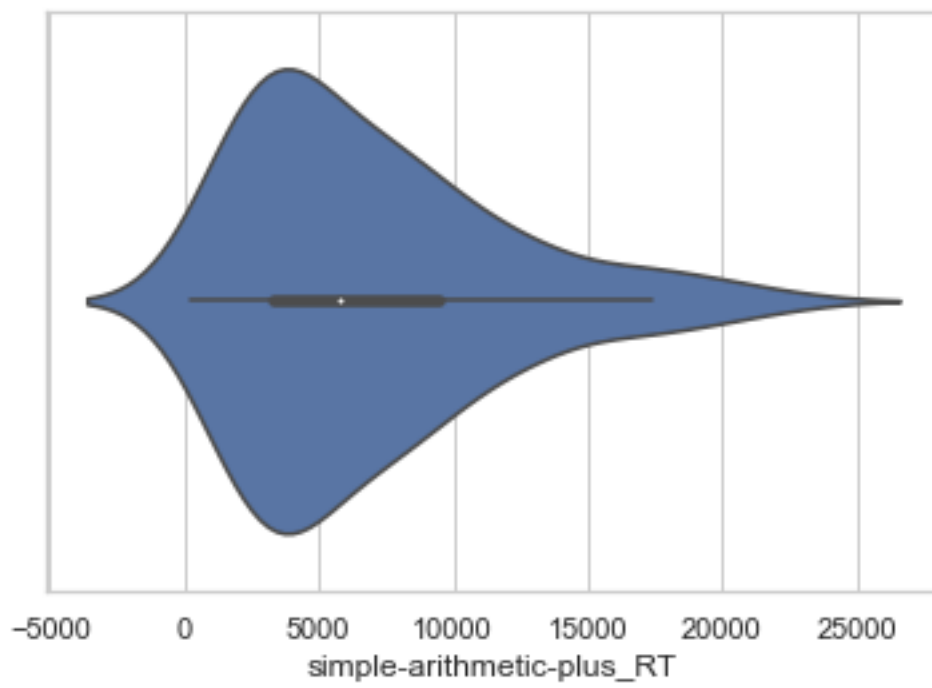
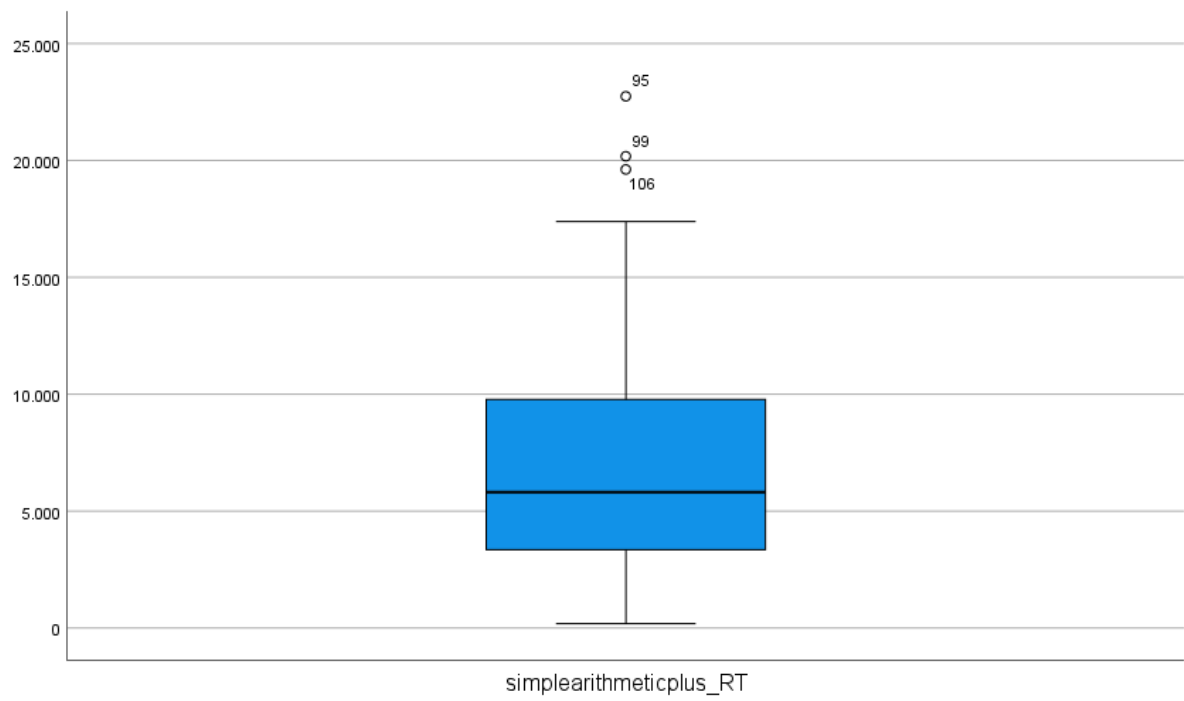


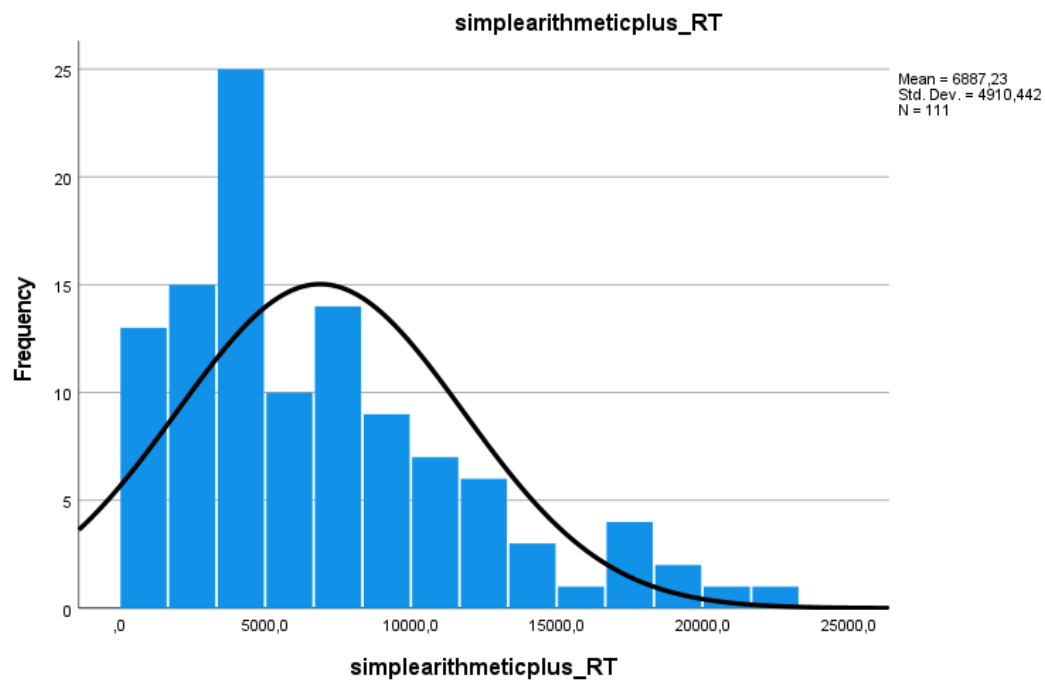
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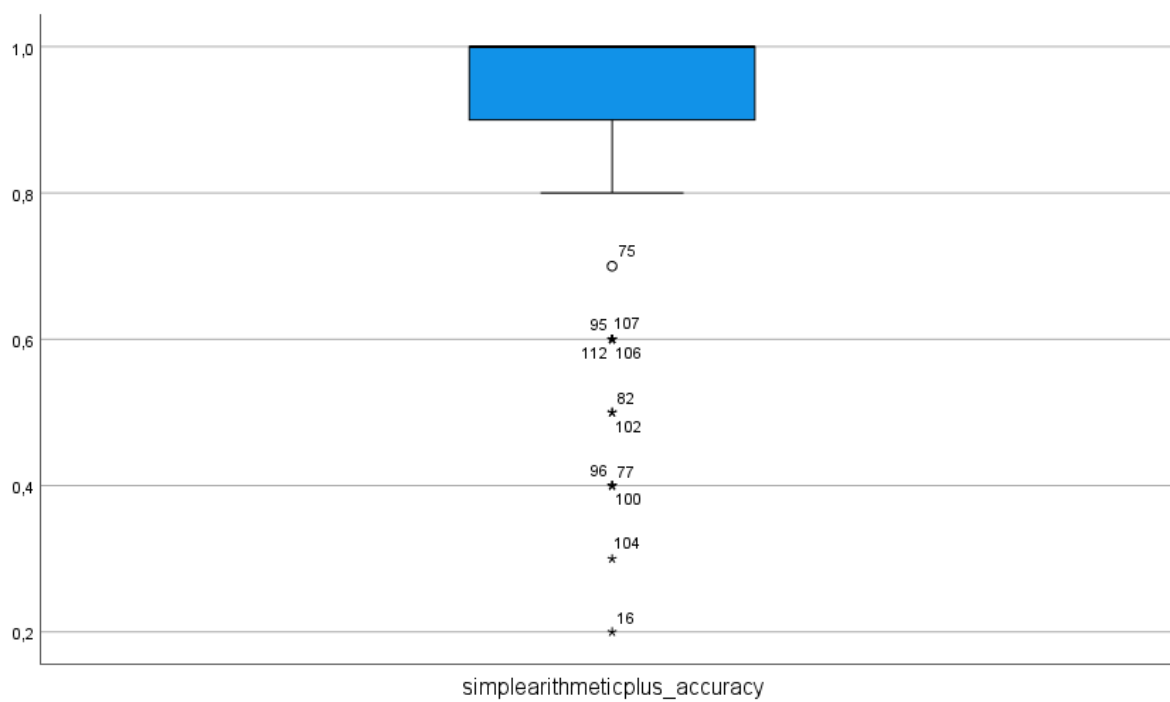


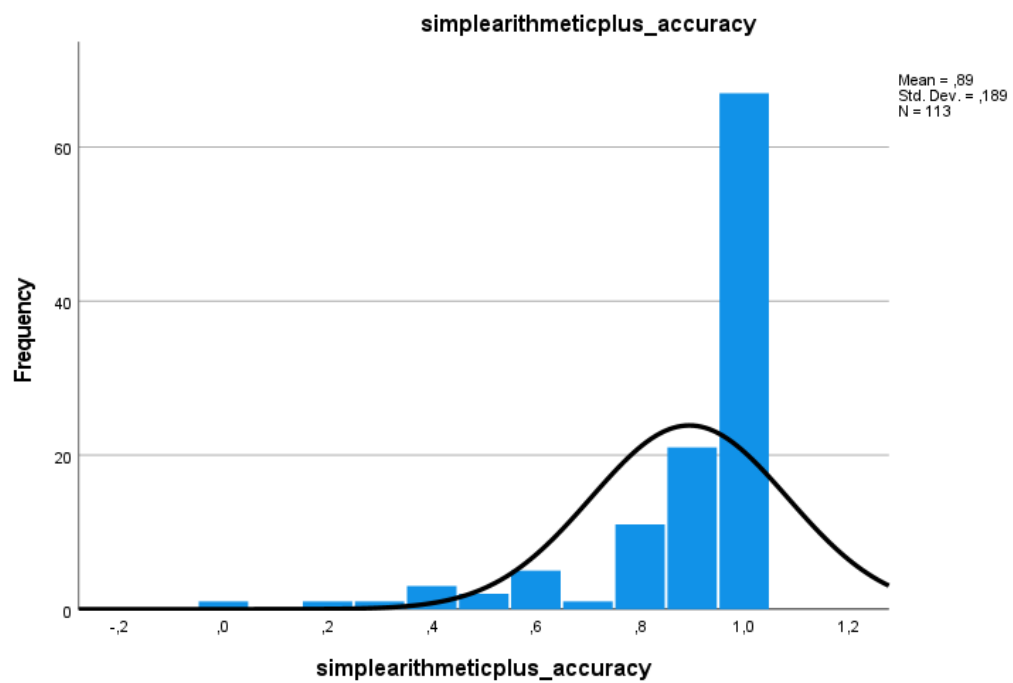
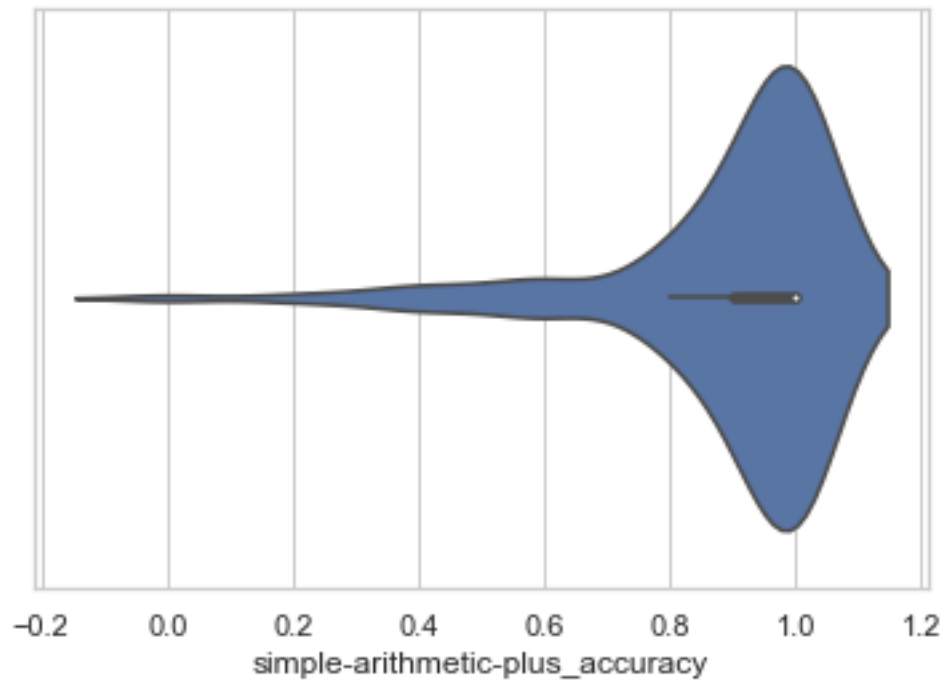
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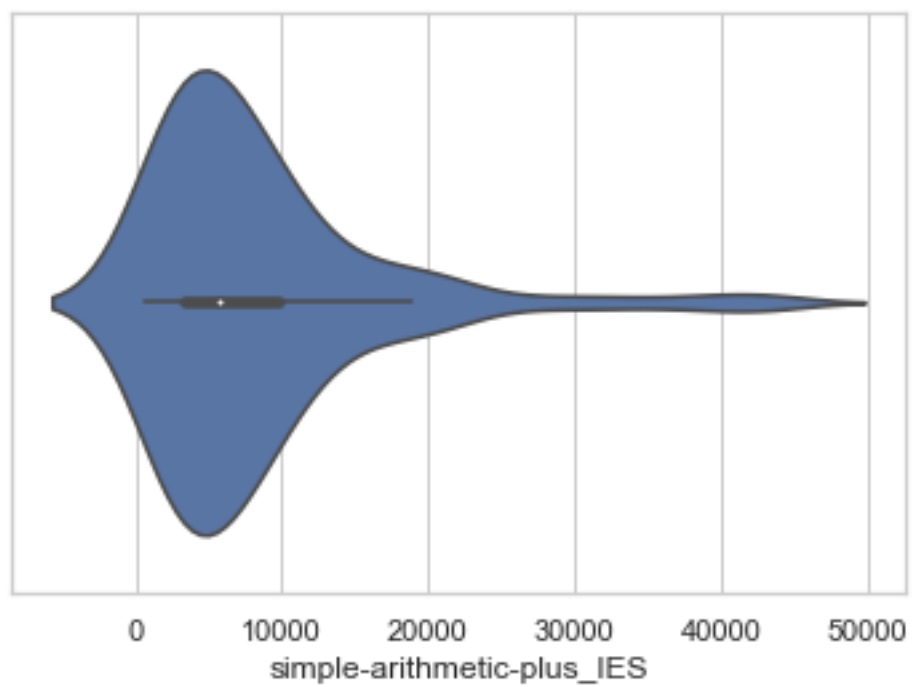
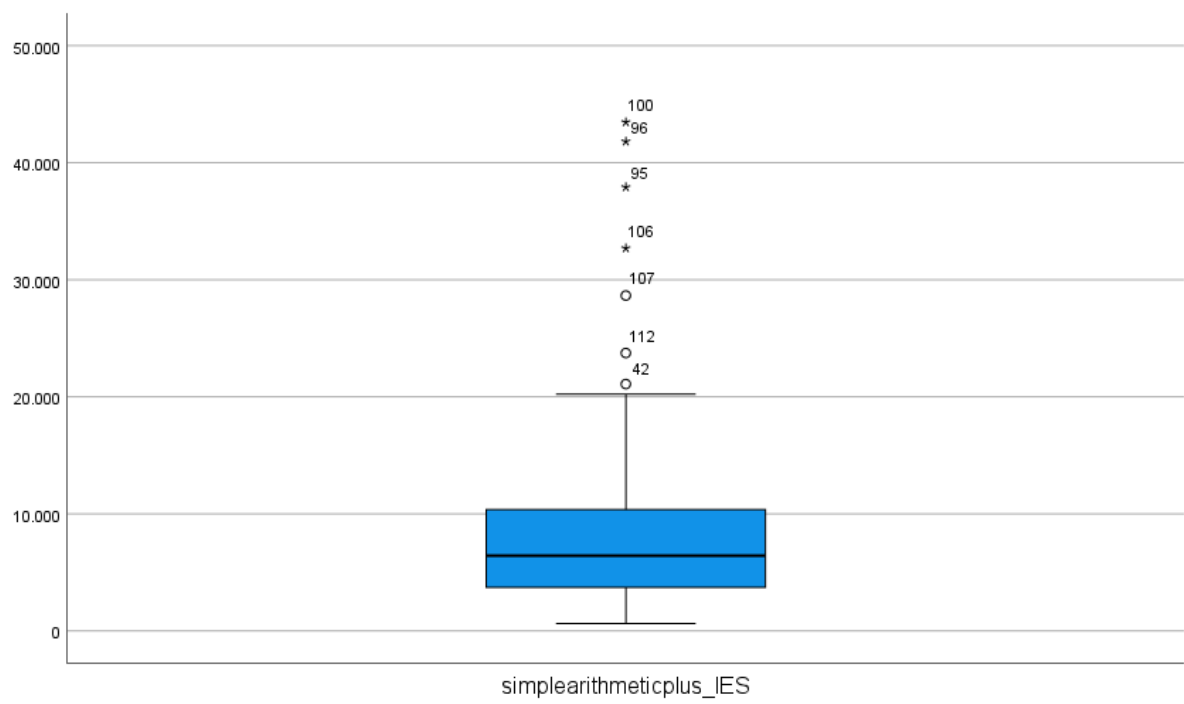


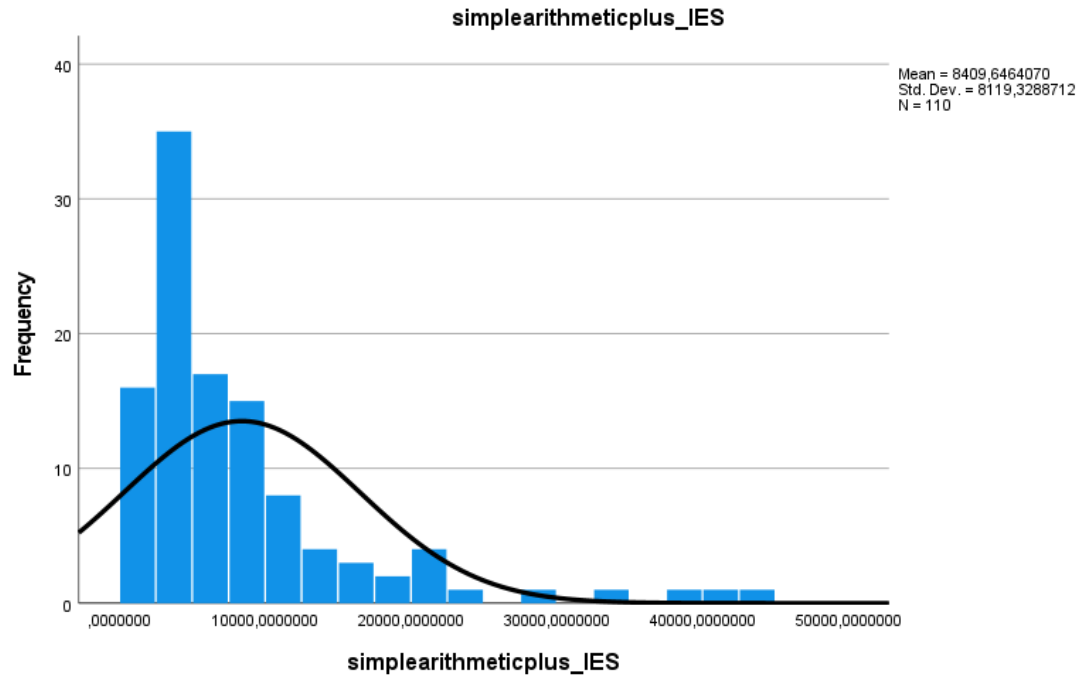
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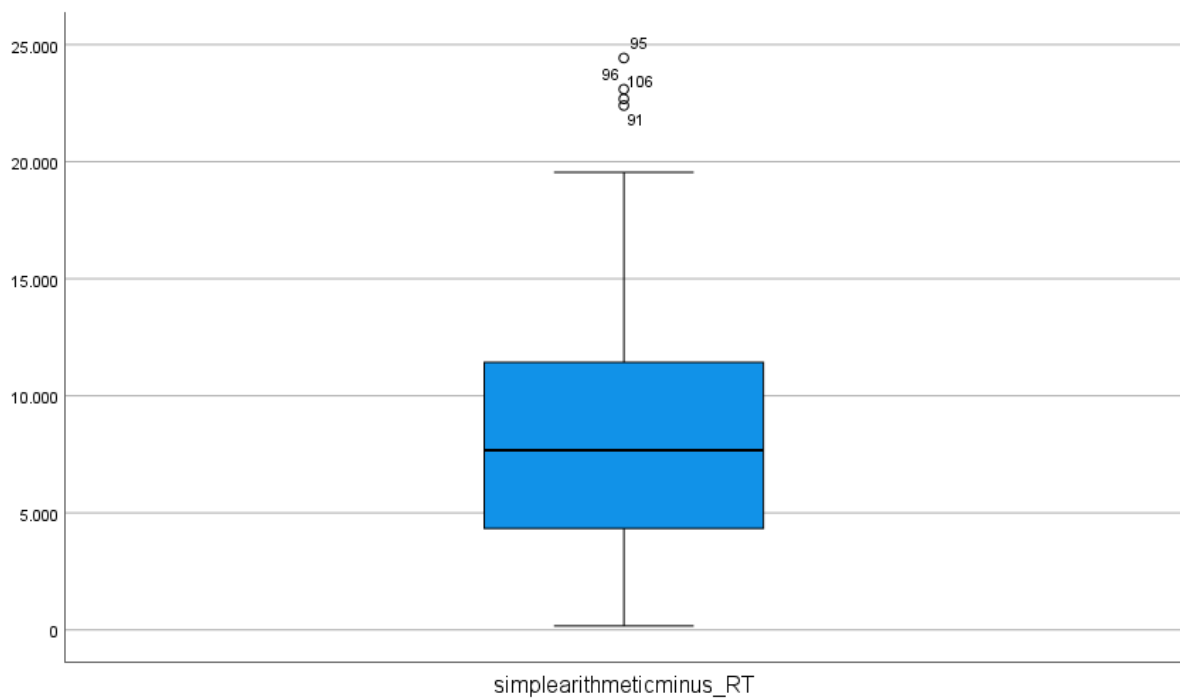


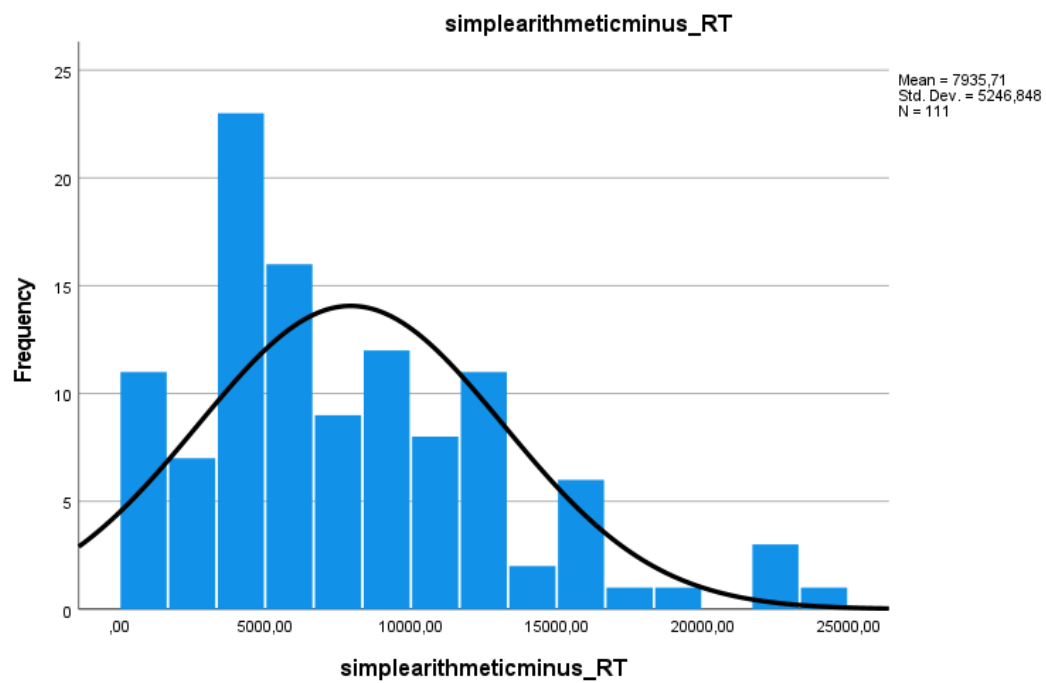
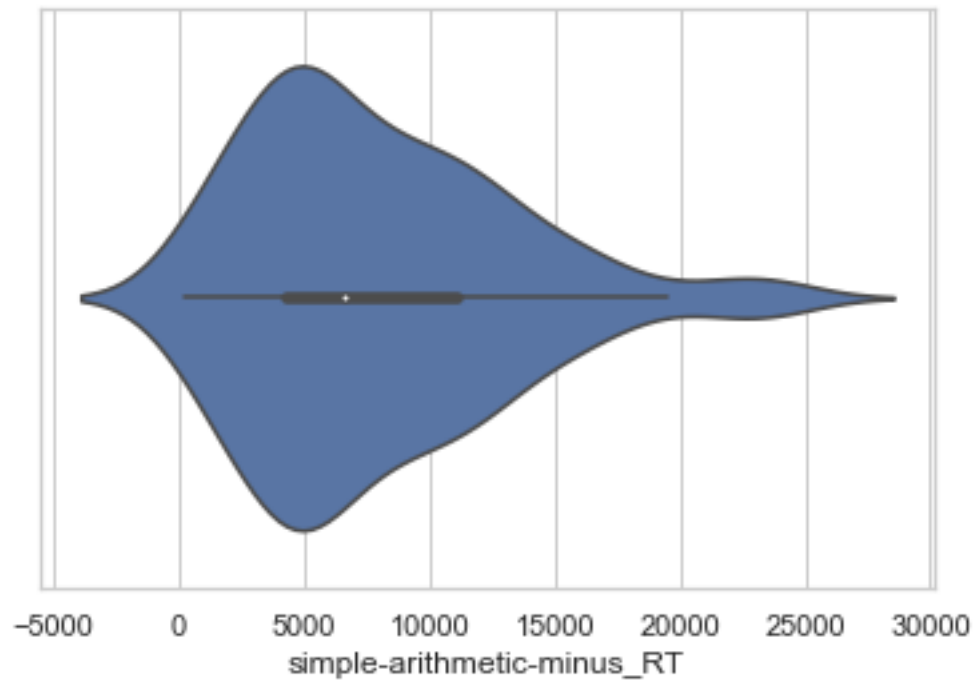
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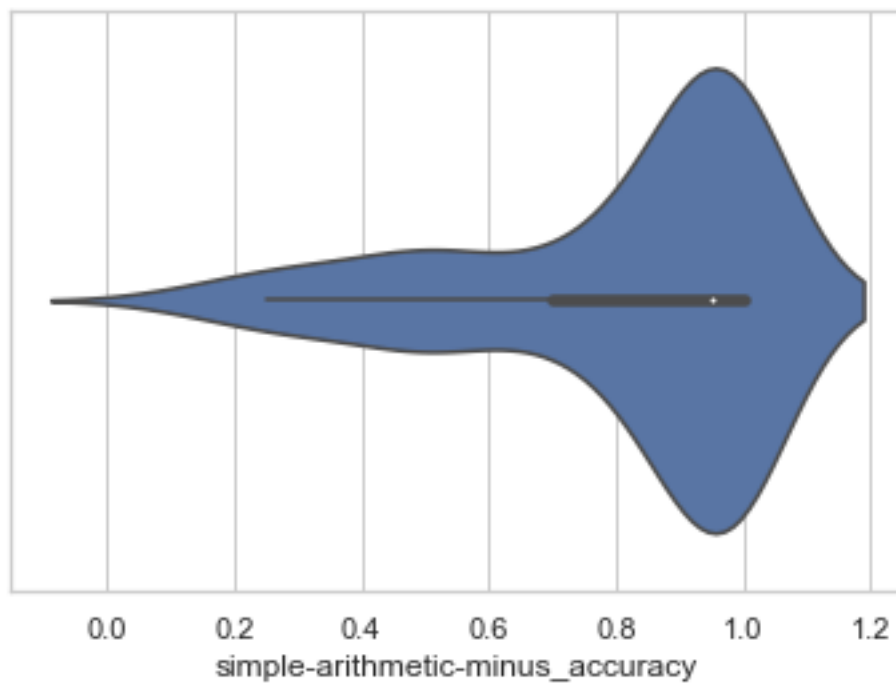
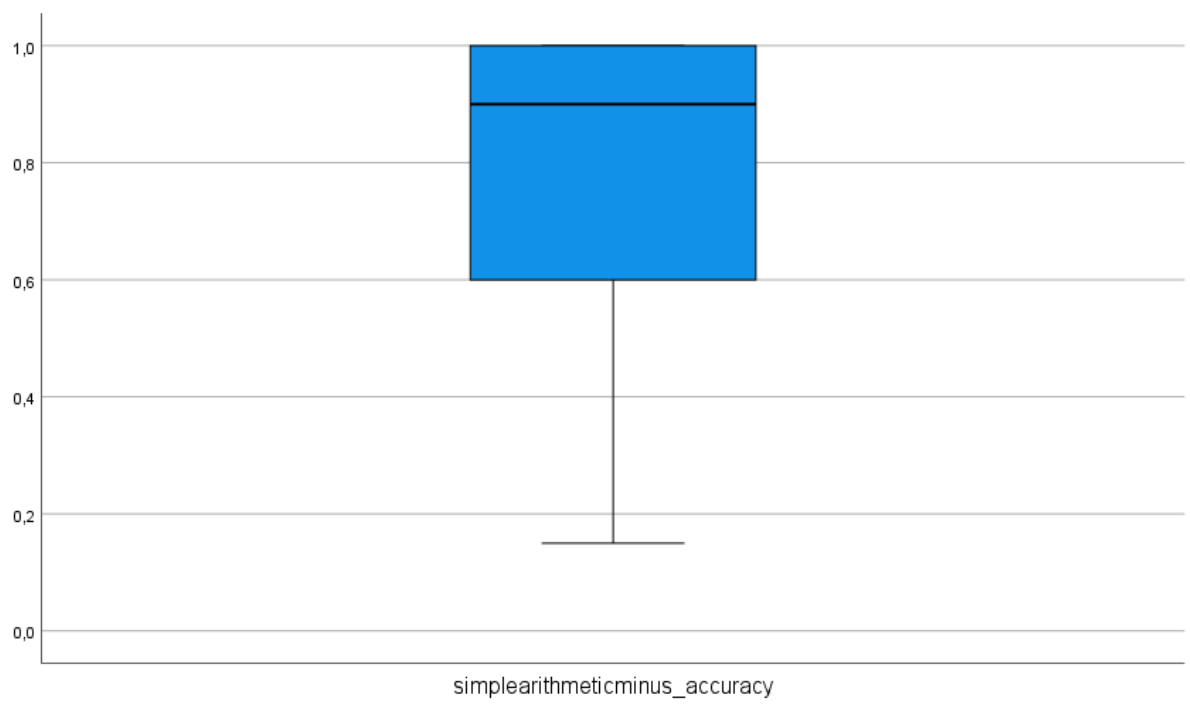


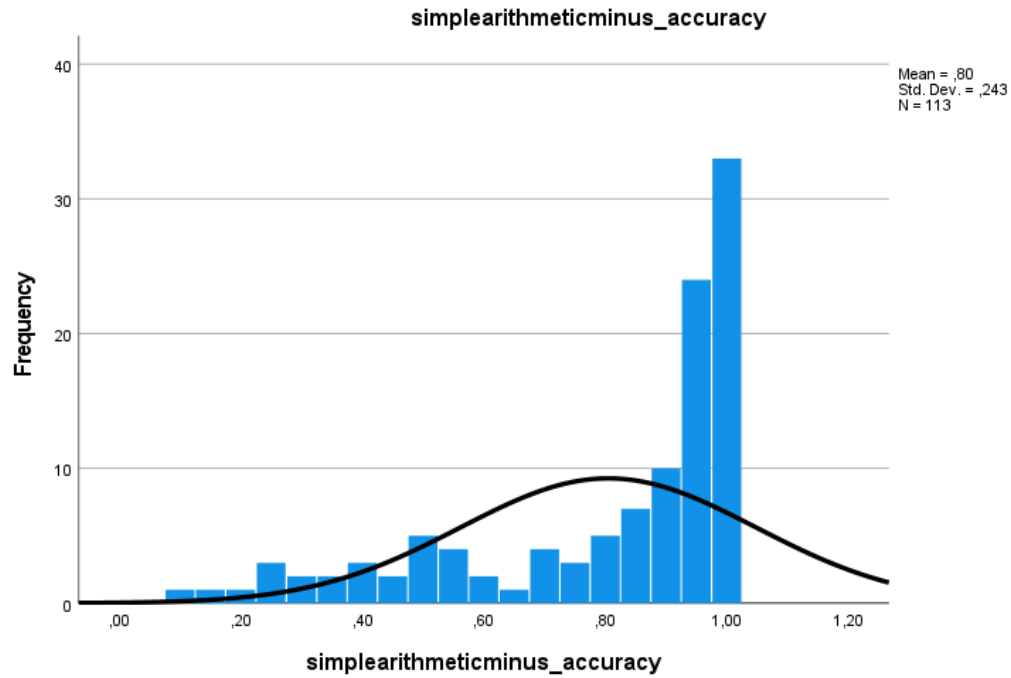
simplearithmeticminus_RT





simplearithmeticminus_accuracy





simplearithmetminus_IES

