

Robust Tests of Equality of Means - use case templates, creation task

		Statistic ^a	df1	df2	Sig.
Precision	Welch	7.256	1	76.932	.009
Recall	Welch	8.843	1	64.476	.004
FMeasure	Welch	8.901	1	72.329	.004
Duration	Welch	72.819	1	75.458	.000
FirstActDet	Welch	11.743	1	77.998	.001
LastActDet	Welch	65.288	1	75.254	.000
ProcDur	Welch	.257	1	77.552	.613
FixRel	Welch	1574.597	1	77.982	.000
FixIrrel	Welch	176.672	1	39.035	.000
AvDurRelFix	Welch	23.082	1	77.744	.000
AvDurIrrelFix	Welch	40.587	1	77.106	.000
TotSac	Welch	.264	1	77.315	.609
Sac2Key	Welch	1.398	1	77.984	.241
AvAttention	Welch	83.033	1	67.009	.000
AvMentWL	Welch	92.423	1	77.810	.000
AvFam	Welch	139.487	1	77.977	.000
AvSCL	Welch	2.042	1	76.900	.157
HRVar_RMSSD	Welch	.109	1	77.938	.742
HRVar_NN50	Welch	.005	1	77.996	.946
NASA_MD	Welch	.961	1	77.528	.330
NASA_PD	Welch	1.222	1	77.147	.272
NASA_TD	Welch	19.557	1	76.540	.000
NASA_Performance	Welch	.567	1	70.996	.454
NASA_Effort	Welch	.566	1	77.912	.454
NASA_Frustration	Welch	.246	1	78.000	.622
NASA_Score	Welch	.168	1	69.221	.684

a. Asymptotically F distributed.

Robust Tests of Equality of Means - use case templates, modification task

		Statistic ^a	df1	df2	Sig.
Precision	Welch	3.973	1	75.201	.050
Recall	Welch	4.848	1	63.720	.031
FMeasure	Welch	4.804	1	70.386	.032
Duration	Welch	11.710	1	75.405	.001
FirstActDet	Welch	13.618	1	76.967	.000
LastActDet	Welch	11.338	1	75.548	.001
ProcDur	Welch	.267	1	76.276	.607
FixRel	Welch	1555.569	1	76.913	.000
FixIrrel	Welch	164.761	1	38.033	.000
AvDurRelFix	Welch	14.558	1	76.919	.000
AvDurIrrelFix	Welch	35.340	1	76.400	.000
TotSac	Welch	4.519	1	76.696	.037
Sac2Key	Welch	7.549	1	76.254	.007
AvAttention	Welch	2.980	1	70.143	.089
AvMentWL	Welch	.750	1	76.472	.389
AvFam	Welch	8.162	1	76.769	.006
AvSCL	Welch	.134	1	75.869	.716
HRVar_RMSSD	Welch	.234	1	75.848	.630
HRVar_NN50	Welch	.003	1	76.663	.955
NASA_MD	Welch	.686	1	76.208	.410
NASA_PD	Welch	.533	1	76.756	.468
NASA_TD	Welch	2.655	1	74.885	.107
NASA_Performance	Welch	3.294	1	76.483	.073
NASA_Effort	Welch	.221	1	76.617	.640
NASA_Frustration	Welch	.180	1	76.973	.673
NASA_Score	Welch	.001	1	76.683	.974

a. Asymptotically F distributed.

Robust Tests of Equality of Means - use case templates, understanding task

		Statistic ^a	df1	df2	Sig.
Precision	Welch	30.430	1	77.199	.000
Recall	Welch	15.586	1	77.531	.000
FMeasure	Welch	26.313	1	77.902	.000
Duration	Welch	.989	1	77.999	.323
FirstActDet	Welch	1.637	1	77.895	.205
LastActDet	Welch	.201	1	77.981	.655
ProcDur	Welch	10.673	1	73.972	.002
FixRel	Welch	31.575	1	76.707	.000
FixIrrel	Welch	1.454	1	77.806	.232
AvDurRelFix	Welch	1.427	1	77.827	.236
AvDurIrrelFix	Welch	7.453	1	77.876	.008
TotSac	Welch	1.224	1	77.660	.272
Sac2Key	Welch	2.443	1	77.934	.122
AvAttention	Welch	7.161	1	72.753	.009
AvMentWL	Welch	2.994	1	76.347	.088
AvFam	Welch	56.889	1	77.285	.000
AvSCL	Welch	1.609	1	76.714	.208
HRVar_RMSSD	Welch	3.902	1	76.405	.052
HRVar_NN50	Welch	1.319	1	77.747	.254
NASA_MD	Welch	.158	1	77.385	.692
NASA_PD	Welch	.810	1	73.582	.371
NASA_TD	Welch	.019	1	77.970	.890
NASA_Performance	Welch	.000	1	75.398	1.000
NASA_Effort	Welch	1.051	1	77.188	.309
NASA_Frustration	Welch	1.230	1	76.930	.271
NASA_Score	Welch	.116	1	77.594	.734

a. Asymptotically F distributed.

Robust Tests of Equality of Means - use case templates, reviewing task

		Statistic ^a	df1	df2	Sig.
Precision	Welch	46.994	1	74.139	.000
Recall	Welch	41.063	1	62.090	.000
FMeasure	Welch	48.197	1	71.211	.000
Duration	Welch	399.528	1	73.895	.000
FirstActDet	Welch	4.517	1	75.149	.037
LastActDet	Welch	386.298	1	75.220	.000
ProcDur	Welch	.162	1	77.208	.689
FixRel	Welch	2948.790	1	77.875	.000
FixIrrel	Welch	153.096	1	39.033	.000
AvDurRelFix	Welch	83.732	1	77.862	.000
AvDurIrrelFix	Welch	66.313	1	77.032	.000
TotSac	Welch	3.219	1	77.809	.077
Sac2Key	Welch	92.925	1	77.660	.000
AvAttention	Welch	25.386	1	69.493	.000
AvMentWL	Welch	56.379	1	72.014	.000
AvFam	Welch	49.727	1	69.502	.000
AvSCL	Welch	1.684	1	76.755	.198
HRVar_RMSSD	Welch	.140	1	77.953	.709
HRVar_NN50	Welch	.531	1	77.999	.469
NASA_MD	Welch	39.436	1	77.184	.000
NASA_PD	Welch	.176	1	74.421	.676
NASA_TD	Welch	56.510	1	75.661	.000
NASA_Performance	Welch	.534	1	69.419	.467
NASA_Effort	Welch	1.097	1	77.638	.298
NASA_Frustration	Welch	2.182	1	77.352	.144
NASA_Score	Welch	3.149	1	73.854	.080

a. Asymptotically F distributed.