

**Robust Tests of Equality of Means - i* concrete syntax,
GenderMag motivation facet, creation task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	.027	1	67.338	.871
Recall	Welch	2.974	1	68.603	.089
FMeasure	Welch	1.041	1	57.835	.312
Duration	Welch	1.433	1	52.177	.237
FirstActDet	Welch	.347	1	65.423	.558
LastActDet	Welch	2.170	1	45.222	.148
ProcDur	Welch	.386	1	65.339	.536
FixRel	Welch	.019	1	74.159	.892
FixIrrel	Welch	.000	1	61.118	.995
AvDurRelFix	Welch	.479	1	51.509	.492
AvDurIrrelFix	Welch	1.070	1	62.536	.305
TotSac	Welch	.211	1	78.678	.647
Sac2Key	Welch	.088	1	74.757	.768
AvAttention	Welch	.365	1	71.505	.548
AvMentWL	Welch	3.709	1	66.739	.058
AvFam	Welch	2.877	1	68.247	.094
AvSCL	Welch	.004	1	86.030	.950
HRVar_RMSSD	Welch	.816	1	71.363	.369
HRVar_NN50	Welch	.492	1	65.620	.486
NASA_MD	Welch	.473	1	60.917	.494
NASA_PD	Welch	1.483	1	57.504	.228
NASA_TD	Welch	2.575	1	73.507	.113
NASA_Performance	Welch	6.702	1	86.692	.011
NASA_Effort	Welch	1.064	1	58.140	.307
NASA_Frustration	Welch	8.992	1	87.938	.004
NASA_Score	Welch	4.261	1	84.980	.042

a. Asymptotically F distributed.

ANOVA - i* concrete syntaxes, GenderMag motivation facet, creation task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.001	1	.001	.027	.869
	Within Groups	3.987	88	.045		
	Total	3.988	89			
Recall	Between Groups	.164	1	.164	3.006	.086
	Within Groups	4.802	88	.055		
	Total	4.966	89			
FMeasure	Between Groups	.029	1	.029	1.166	.283
	Within Groups	2.183	88	.025		
	Total	2.212	89			
Duration	Between Groups	568067.227	1	568067.227	1.710	.194
	Within Groups	29233726.773	88	332201.441		
	Total	29801794.000	89			
FirstActDet	Between Groups	31761.222	1	31761.222	.361	.550
	Within Groups	7747986.600	88	88045.302		
	Total	7779747.822	89			
LastActDet	Between Groups	881289.286	1	881289.286	2.837	.096
	Within Groups	27333907.436	88	310612.584		
	Total	28215196.722	89			
ProcDur	Between Groups	34250.071	1	34250.071	.402	.527
	Within Groups	7489843.318	88	85111.856		
	Total	7524093.389	89			
FixRel	Between Groups	.050	1	.050	.018	.894
	Within Groups	243.669	88	2.769		
	Total	243.718	89			
FixIrrel	Between Groups	.001	1	.001	.000	.995
	Within Groups	1616.097	88	18.365		
	Total	1616.098	89			
AvDurRelFix	Between Groups	29457.340	1	29457.340	.576	.450
	Within Groups	4502570.004	88	51165.568		
	Total	4532027.344	89			
AvDurIrrelFix	Between Groups	111363.122	1	111363.122	1.144	.288
	Within Groups	8566169.588	88	97342.836		
	Total	8677532.710	89			
TotSac	Between Groups	108.706	1	108.706	.194	.660
	Within Groups	49188.950	88	558.965		
	Total	49297.656	89			
Sac2Key	Between Groups	95.342	1	95.342	.084	.772
	Within Groups	99673.280	88	1132.651		
	Total	99768.622	89			
AvAttention	Between Groups	.012	1	.012	.359	.550
	Within Groups	3.052	88	.035		
	Total	3.064	89			
AvMentWL	Between Groups	.130	1	.130	3.813	.054
	Within Groups	3.006	88	.034		
	Total	3.136	89			
AvFam	Between Groups	.073	1	.073	2.918	.091
	Within Groups	2.200	88	.025		
	Total	2.273	89			
AvSCL	Between Groups	73.710	1	73.710	.003	.954
	Within Groups	1930112.612	88	21933.098		

	Total	1930186.322	89			
HRVar_RMSSD	Between Groups	366.736	1	366.736	.805	.372
	Within Groups	40098.837	88	455.669		
	Total	40465.573	89			
HRVar_NN50	Between Groups	197.261	1	197.261	.511	.477
	Within Groups	33998.697	88	386.349		
	Total	34195.958	89			
NASA_MD	Between Groups	77.746	1	77.746	.513	.476
	Within Groups	13327.810	88	151.452		
	Total	13405.556	89			
NASA_PD	Between Groups	658.172	1	658.172	1.668	.200
	Within Groups	34731.828	88	394.680		
	Total	35390.000	89			
NASA_TD	Between Groups	2023.252	1	2023.252	2.490	.118
	Within Groups	71501.471	88	812.517		
	Total	73524.722	89			
NASA_Performance	Between Groups	6670.846	1	6670.846	5.597	.020
	Within Groups	104889.154	88	1191.922		
	Total	111560.000	89			
NASA_Effort	Between Groups	279.449	1	279.449	1.188	.279
	Within Groups	20695.273	88	235.174		
	Total	20974.722	89			
NASA_Frustration	Between Groups	5849.414	1	5849.414	7.061	.009
	Within Groups	72899.475	88	828.403		
	Total	78748.889	89			
NASA_Score	Between Groups	1481.693	1	1481.693	3.660	.059
	Within Groups	35620.593	88	404.779		
	Total	37102.287	89			

Task * Motivation - i* concrete syntaxes, GenderMag motivation facet, creation task

Dependent Variable	Task	Motivation	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Create	Abby	.433	.054	.325	.540
		Tim	.395	.042	.311	.478
	iStar 2.0 Create	Abby	.466	.048	.371	.562
		Tim	.511	.038	.436	.586
Recall	i* 1.0 Create	Abby	.447	.058	.332	.563
		Tim	.495	.045	.405	.584
	iStar 2.0 Create	Abby	.536	.052	.433	.639
		Tim	.657	.040	.577	.738
FMeasure	i* 1.0 Create	Abby	.381	.039	.302	.459
		Tim	.402	.030	.341	.462
	iStar 2.0 Create	Abby	.454	.035	.385	.524
		Tim	.505	.027	.450	.559
Duration	i* 1.0 Create	Abby	1250.867	130.911	990.624	1511.109
		Tim	1227.760	101.403	1026.177	1429.343
	iStar 2.0 Create	Abby	1958.474	116.318	1727.242	2189.705
		Tim	1687.806	91.063	1506.780	1868.833
FirstActDet	i* 1.0 Create	Abby	747.800	44.524	659.290	836.310
		Tim	696.120	34.488	627.560	764.680
	iStar 2.0 Create	Abby	252.947	39.560	174.304	331.591
		Tim	219.935	30.971	158.367	281.504
LastActDet	i* 1.0 Create	Abby	1224.867	141.195	944.180	1505.553
		Tim	1212.960	109.369	995.541	1430.379
	iStar 2.0 Create	Abby	1650.895	125.455	1401.498	1900.291
		Tim	1295.839	98.216	1100.591	1491.086
ProcDur	i* 1.0 Create	Abby	26.000	61.358	-95.975	147.975
		Tim	14.800	47.527	-79.681	109.281
	iStar 2.0 Create	Abby	307.579	54.518	199.202	415.956
		Tim	391.968	42.681	307.121	476.814
FixRel	i* 1.0 Create	Abby	4.869	.157	4.558	5.181
		Tim	4.991	.121	4.750	5.232
	iStar 2.0 Create	Abby	1.993	.139	1.716	2.269
		Tim	1.780	.109	1.563	1.996
FixIrrel	i* 1.0 Create	Abby	7.381	1.088	5.219	9.543
		Tim	5.610	.842	3.935	7.285
	iStar 2.0 Create	Abby	4.104	.966	2.183	6.025
		Tim	5.490	.757	3.986	6.994
AvDurRelFix	i* 1.0 Create	Abby	465.467	56.341	353.464	577.469
		Tim	459.690	43.642	372.933	546.447
	iStar 2.0 Create	Abby	632.721	50.061	533.204	732.238
		Tim	571.558	39.191	493.648	649.468
AvDurIrrelFix	i* 1.0 Create	Abby	804.400	81.242	642.897	965.903
		Tim	787.070	62.930	661.970	912.170
	iStar 2.0 Create	Abby	861.465	72.185	717.966	1004.965
		Tim	744.918	56.512	632.575	857.261
TotSac	i* 1.0 Create	Abby	113.333	2.845	107.678	118.988
		Tim	119.880	2.203	115.500	124.260
	iStar 2.0 Create	Abby	76.789	2.528	71.765	81.814
		Tim	75.258	1.979	71.324	79.192
Sac2Key	i* 1.0 Create	Abby	95.933	2.662	90.642	101.225
		Tim	100.960	2.062	96.861	105.059

	iStar 2.0 Create	Abby	35.789	2.365	31.088	40.491
		Tim	35.000	1.852	31.319	38.681
AvAttention	i* 1.0 Create	Abby	.713	.048	.619	.808
		Tim	.772	.037	.699	.845
	iStar 2.0 Create	Abby	.800	.042	.716	.884
		Tim	.710	.033	.644	.776
AvMentWL	i* 1.0 Create	Abby	.733	.046	.642	.825
		Tim	.840	.036	.769	.911
	iStar 2.0 Create	Abby	.658	.041	.577	.739
		Tim	.713	.032	.649	.777
AvFam	i* 1.0 Create	Abby	.547	.039	.468	.625
		Tim	.432	.031	.371	.493
	iStar 2.0 Create	Abby	.405	.035	.336	.475
		Tim	.390	.027	.336	.445
AvSCL	i* 1.0 Create	Abby	698.733	33.834	631.473	765.993
		Tim	636.160	26.208	584.061	688.259
	iStar 2.0 Create	Abby	757.000	30.062	697.238	816.762
		Tim	811.387	23.535	764.600	858.174
HRVar_RMSSD	i* 1.0 Create	Abby	27.808	5.324	17.225	38.391
		Tim	45.809	4.124	37.611	54.007
	iStar 2.0 Create	Abby	47.069	4.730	37.665	56.472
		Tim	40.256	3.703	32.894	47.618
HRVar_NN50	i* 1.0 Create	Abby	14.365	4.952	4.520	24.210
		Tim	28.678	3.836	21.052	36.304
	iStar 2.0 Create	Abby	30.169	4.400	21.421	38.917
		Tim	24.293	3.445	17.444	31.141
NASA_MD	i* 1.0 Create	Abby	83.000	3.202	76.635	89.365
		Tim	83.000	2.480	78.070	87.930
	iStar 2.0 Create	Abby	79.474	2.845	73.818	85.129
		Tim	82.903	2.227	78.476	87.331
NASA_PD	i* 1.0 Create	Abby	37.000	4.820	27.419	46.581
		Tim	14.600	3.733	7.178	22.022
	iStar 2.0 Create	Abby	18.158	4.283	9.645	26.671
		Tim	25.968	3.353	19.303	32.633
NASA_TD	i* 1.0 Create	Abby	64.000	7.304	49.480	78.520
		Tim	41.600	5.658	30.353	52.847
	iStar 2.0 Create	Abby	49.737	6.490	36.836	62.638
		Tim	50.000	5.081	39.900	60.100
NASA_Performance	i* 1.0 Create	Abby	43.667	7.793	28.174	59.159
		Tim	19.200	6.037	7.200	31.200
	iStar 2.0 Create	Abby	70.000	6.924	56.235	83.765
		Tim	57.903	5.421	47.127	68.680
NASA_Effort	i* 1.0 Create	Abby	74.333	3.995	66.392	82.274
		Tim	75.400	3.094	69.249	81.551
	iStar 2.0 Create	Abby	71.579	3.549	64.523	78.635
		Tim	77.258	2.779	71.734	82.782
NASA_Frustration	i* 1.0 Create	Abby	69.333	7.469	54.485	84.181
		Tim	53.200	5.786	41.699	64.701
	iStar 2.0 Create	Abby	76.316	6.637	63.123	89.509
		Tim	59.355	5.196	49.026	69.683
NASA_Score	i* 1.0 Create	Abby	61.889	4.694	52.557	71.221
		Tim	47.833	3.636	40.605	55.062
	iStar 2.0 Create	Abby	72.702	4.171	64.410	80.993

Tim	69.022	3.265	62.530	75.513
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Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag information processing facet, creation task

		Statistic ^a	df1	df2	Sig.
Precision	Welch	20.600	1	32.530	.000
Recall	Welch	.115	1	24.374	.738
FMeasure	Welch	6.784	1	25.914	.015
Duration	Welch	2.686	1	25.155	.114
FirstActDet	Welch	1.060	1	26.787	.312
LastActDet	Welch	8.688	1	24.404	.007
ProcDur	Welch	24.106	1	87.334	.000
FixRel	Welch	.223	1	31.204	.640
FixIrrel	Welch	45.013	1	83.180	.000
AvDurRelFix	Welch	10.286	1	21.724	.004
AvDurIrrelFix	Welch	4.150	1	26.601	.052
TotSac	Welch	.028	1	31.221	.867
Sac2Key	Welch	.038	1	30.525	.846
AvAttention	Welch	21.502	1	25.693	.000
AvMentWL	Welch	4.356	1	28.497	.046
AvFam	Welch	2.939	1	27.033	.098
AvSCL	Welch	1.571	1	27.686	.221
HRVar_RMSSD	Welch	1.125	1	34.708	.296
HRVar_NN50	Welch	.424	1	30.488	.520
NASA_MD	Welch	10.711	1	40.957	.002
NASA_PD	Welch	3.555	1	31.102	.069
NASA_TD	Welch	4.107	1	48.561	.048
NASA_Performance	Welch	6.748	1	36.839	.013
NASA_Effort	Welch	2.227	1	36.289	.144
NASA_Frustration	Welch	9.562	1	26.277	.005
NASA_Score	Welch	8.521	1	40.279	.006

a. Asymptotically F distributed.

ANOVA - i* concrete syntaxes, GenderMag information processing facet, creation task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.710	1	.710	19.075	.000
	Within Groups	3.278	88	.037		
	Total	3.988	89			
Recall	Between Groups	.010	1	.010	.173	.679
	Within Groups	4.956	88	.056		
	Total	4.966	89			
FMeasure	Between Groups	.205	1	.205	8.971	.004
	Within Groups	2.007	88	.023		
	Total	2.212	89			
Duration	Between Groups	1224476.064	1	1224476.064	3.771	.055
	Within Groups	28577317.936	88	324742.249		
	Total	29801794.000	89			
FirstActDet	Between Groups	114724.229	1	114724.229	1.317	.254
	Within Groups	7665023.593	88	87102.541		
	Total	7779747.822	89			
LastActDet	Between Groups	3636457.222	1	3636457.222	13.020	.001
	Within Groups	24578739.500	88	279303.858		
	Total	28215196.722	89			
ProcDur	Between Groups	640622.953	1	640622.953	8.190	.005
	Within Groups	6883470.436	88	78221.255		
	Total	7524093.389	89			
FixRel	Between Groups	.604	1	.604	.219	.641
	Within Groups	243.114	88	2.763		
	Total	243.718	89			
FixIrrel	Between Groups	274.083	1	274.083	17.972	.000
	Within Groups	1342.015	88	15.250		
	Total	1616.098	89			
AvDurRelFix	Between Groups	872440.670	1	872440.670	20.979	.000
	Within Groups	3659586.674	88	41586.212		
	Total	4532027.344	89			
AvDurIrrelFix	Between Groups	486199.608	1	486199.608	5.223	.025
	Within Groups	8191333.102	88	93083.331		
	Total	8677532.710	89			
TotSac	Between Groups	15.556	1	15.556	.028	.868
	Within Groups	49282.100	88	560.024		
	Total	49297.656	89			
Sac2Key	Between Groups	43.829	1	43.829	.039	.845
	Within Groups	99724.793	88	1133.236		
	Total	99768.622	89			
AvAttention	Between Groups	.758	1	.758	28.915	.000
	Within Groups	2.306	88	.026		
	Total	3.064	89			
AvMentWL	Between Groups	.165	1	.165	4.874	.030
	Within Groups	2.971	88	.034		
	Total	3.136	89			
AvFam	Between Groups	.089	1	.089	3.594	.061
	Within Groups	2.184	88	.025		
	Total	2.273	89			
AvSCL	Between Groups	39603.251	1	39603.251	1.843	.178
	Within Groups	1890583.071	88	21483.899		
	Total					

	Total	1930186.322	89			
HRVar_RMSSD	Between Groups	437.886	1	437.886	.963	.329
	Within Groups	40027.686	88	454.860		
	Total	40465.573	89			
HRVar_NN50	Between Groups	165.715	1	165.715	.429	.514
	Within Groups	34030.243	88	386.707		
	Total	34195.958	89			
NASA_MD	Between Groups	1077.163	1	1077.163	7.689	.007
	Within Groups	12328.393	88	140.095		
	Total	13405.556	89			
NASA_PD	Between Groups	1351.607	1	1351.607	3.494	.065
	Within Groups	34038.393	88	386.800		
	Total	35390.000	89			
NASA_TD	Between Groups	2057.222	1	2057.222	2.533	.115
	Within Groups	71467.500	88	812.131		
	Total	73524.722	89			
NASA_Performance	Between Groups	6446.429	1	6446.429	5.397	.022
	Within Groups	105113.571	88	1194.472		
	Total	111560.000	89			
NASA_Effort	Between Groups	422.937	1	422.937	1.811	.182
	Within Groups	20551.786	88	233.543		
	Total	20974.722	89			
NASA_Frustration	Between Groups	9666.746	1	9666.746	12.314	.001
	Within Groups	69082.143	88	785.024		
	Total	78748.889	89			
NASA_Score	Between Groups	2448.180	1	2448.180	6.217	.015
	Within Groups	34654.107	88	393.797		
	Total	37102.287	89			

Task * InformationProcessing - i* concrete syntaxes, GenderMag information processing facet, creation task						
Dependent Variable	Task	InformationProcessing	Mean	Std. Error	95% Confidence Interval	
Precision	i* 1.0 Create	Abby	.465	.034	.397	.533
		Tim	.216	.063	.090	.341
	iStar 2.0 Create	Abby	.534	.030	.474	.595
		Tim	.351	.057	.237	.465
Recall	i* 1.0 Create	Abby	.503	.040	.423	.583
		Tim	.387	.075	.239	.535
	iStar 2.0 Create	Abby	.580	.036	.509	.651
		Tim	.722	.067	.588	.856
FMeasure	i* 1.0 Create	Abby	.433	.026	.382	.484
		Tim	.259	.048	.164	.354
	iStar 2.0 Create	Abby	.500	.023	.454	.546
		Tim	.435	.043	.348	.521
Duration	i* 1.0 Create	Abby	1203.226	89.759	1024.791	1381.661
		Tim	1350.778	166.585	1019.617	1681.939
	iStar 2.0 Create	Abby	1703.564	80.025	1544.480	1862.649
		Tim	2099.455	150.682	1799.908	2399.001
FirstActDet	i* 1.0 Create	Abby	683.742	30.289	623.530	743.954
		Tim	824.889	56.214	713.140	936.638
	iStar 2.0 Create	Abby	224.846	27.004	171.164	278.529
		Tim	259.545	50.847	158.464	360.626
LastActDet	i* 1.0 Create	Abby	1185.484	90.956	1004.669	1366.299
		Tim	1327.444	168.807	991.866	1663.023
	iStar 2.0 Create	Abby	1262.692	81.092	1101.486	1423.899
		Tim	2026.636	152.692	1723.094	2330.178
ProcDur	i* 1.0 Create	Abby	17.742	37.650	-57.104	92.587
		Tim	23.333	69.875	-115.574	162.241
	iStar 2.0 Create	Abby	440.872	33.567	374.143	507.601
		Tim	72.818	63.205	-52.828	198.465
FixRel	i* 1.0 Create	Abby	5.013	.109	4.797	5.229
		Tim	4.712	.202	4.311	5.113
	iStar 2.0 Create	Abby	1.894	.097	1.702	2.087
		Tim	1.742	.182	1.379	2.104
FixIrrel	i* 1.0 Create	Abby	7.146	.699	5.757	8.535
		Tim	3.271	1.297	.694	5.849
	iStar 2.0 Create	Abby	5.948	.623	4.710	7.186
		Tim	1.471	1.173	-.861	3.802
AvDurRelFix	i* 1.0 Create	Abby	453.556	32.114	389.716	517.397
		Tim	490.444	59.601	371.962	608.927
	iStar 2.0 Create	Abby	506.559	28.631	449.642	563.476
		Tim	907.655	53.911	800.483	1014.826
AvDurIrrelFix	i* 1.0 Create	Abby	768.669	51.771	665.752	871.587
		Tim	879.333	96.083	688.326	1070.340
	iStar 2.0 Create	Abby	879.526	46.157	787.769	971.283
		Tim	468.981	86.911	296.208	641.753
TotSac	i* 1.0 Create	Abby	117.452	2.018	113.441	121.462
		Tim	117.333	3.744	109.890	124.777
	iStar 2.0 Create	Abby	75.538	1.799	71.963	79.114
		Tim	76.909	3.387	70.176	83.642
Sac2Key	i* 1.0 Create	Abby	98.903	1.874	95.178	102.628

		Tim	99.667	3.477	92.754	106.579
		iStar 2.0 Create Abby	34.949	1.670	31.628	38.270
		Tim	36.545	3.145	30.293	42.798
AvAttention	i* 1.0 Create	Abby	.810	.029	.752	.868
		Tim	.544	.054	.437	.652
	iStar 2.0 Create	Abby	.785	.026	.733	.836
		Tim	.600	.049	.502	.698
AvMentWL	i* 1.0 Create	Abby	.813	.032	.750	.876
		Tim	.756	.059	.639	.873
	iStar 2.0 Create	Abby	.723	.028	.667	.779
		Tim	.582	.053	.476	.688
AvFam	i* 1.0 Create	Abby	.445	.027	.391	.500
		Tim	.578	.051	.477	.679
	iStar 2.0 Create	Abby	.390	.024	.341	.438
		Tim	.418	.046	.327	.510
AvSCL	i* 1.0 Create	Abby	661.484	23.419	614.928	708.040
		Tim	653.222	43.464	566.818	739.626
	iStar 2.0 Create	Abby	768.744	20.879	727.237	810.251
		Tim	868.636	39.315	790.481	946.792
HRVar_RMSSD	i* 1.0 Create	Abby	41.273	3.847	33.626	48.920
		Tim	31.432	7.139	17.240	45.625
	iStar 2.0 Create	Abby	43.190	3.430	36.372	50.008
		Tim	41.620	6.458	28.782	54.457
HRVar_NN50	i* 1.0 Create	Abby	25.311	3.460	18.432	32.190
		Tim	16.422	6.422	3.655	29.189
	iStar 2.0 Create	Abby	23.625	3.085	17.492	29.758
		Tim	36.810	5.809	25.262	48.358
NASA_MD	i* 1.0 Create	Abby	84.839	2.146	80.572	89.106
		Tim	76.667	3.983	68.748	84.586
	iStar 2.0 Create	Abby	83.462	1.914	79.657	87.266
		Tim	75.000	3.603	67.837	82.163
NASA_PD	i* 1.0 Create	Abby	17.419	3.410	10.640	24.199
		Tim	42.222	6.329	29.640	54.805
	iStar 2.0 Create	Abby	23.718	3.041	17.674	29.762
		Tim	20.455	5.725	9.073	31.836
NASA_TD	i* 1.0 Create	Abby	50.806	5.149	40.571	61.042
		Tim	47.222	9.556	28.226	66.218
	iStar 2.0 Create	Abby	53.846	4.590	44.721	62.972
		Tim	35.909	8.643	18.727	53.092
NASA_Performance	i* 1.0 Create	Abby	26.774	5.125	16.587	36.962
		Tim	33.889	9.511	14.982	52.796
	iStar 2.0 Create	Abby	71.795	4.569	62.712	80.877
		Tim	29.545	8.603	12.443	46.647
NASA_Effort	i* 1.0 Create	Abby	75.968	2.776	70.450	81.486
		Tim	71.667	5.152	61.426	81.908
	iStar 2.0 Create	Abby	76.410	2.475	71.491	81.330
		Tim	70.455	4.660	61.191	79.718
NASA_Frustration	i* 1.0 Create	Abby	59.194	4.751	49.749	68.638
		Tim	59.444	8.817	41.916	76.973
	iStar 2.0 Create	Abby	75.769	4.236	67.349	84.190
		Tim	30.455	7.976	14.599	46.310
NASA_Score	i* 1.0 Create	Abby	52.500	3.072	46.394	58.606
		Tim	55.185	5.701	43.853	66.518

iStar 2.0 Create	Abby	75.855	2.739	70.411	81.299
	Tim	51.152	5.156	40.901	61.402

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag self-efficacy facet, creation task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	7.379	1	67.312	.008
Recall	Welch	1.559	1	55.241	.217
FMeasure	Welch	1.477	1	60.474	.229
Duration	Welch	4.290	1	49.323	.044
FirstActDet	Welch	.024	1	57.953	.877
LastActDet	Welch	18.589	1	42.723	.000
ProcDur	Welch	35.443	1	63.275	.000
FixRel	Welch	.158	1	70.068	.692
FixIrrel	Welch	7.834	1	76.757	.006
AvDurRelFix	Welch	13.500	1	40.080	.001
AvDurIrrelFix	Welch	2.238	1	51.825	.141
TotSac	Welch	.040	1	68.304	.843
Sac2Key	Welch	.058	1	68.591	.811
AvAttention	Welch	6.541	1	54.416	.013
AvMentWL	Welch	4.163	1	55.796	.046
AvFam	Welch	.733	1	53.454	.396
AvSCL	Welch	2.246	1	79.863	.138
HRVar_RMSSD	Welch	.454	1	68.807	.503
HRVar_NN50	Welch	1.614	1	70.383	.208
NASA_MD	Welch	3.581	1	80.155	.062
NASA_PD	Welch	2.264	1	67.286	.137
NASA_TD	Welch	4.503	1	79.334	.037
NASA_Performance	Welch	8.560	1	70.796	.005
NASA_Effort	Welch	1.391	1	81.679	.242
NASA_Frustration	Welch	10.776	1	54.133	.002
NASA_Score	Welch	7.468	1	77.520	.008

a. Asymptotically F distributed.

ANOVA - i* concrete syntaxes, GenderMag self-efficacy facet, creation task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.308	1	.308	7.353	.008
	Within Groups	3.681	88	.042		
	Total	3.988	89			
Recall	Between Groups	.098	1	.098	1.765	.187
	Within Groups	4.868	88	.055		
	Total	4.966	89			
FMeasure	Between Groups	.039	1	.039	1.577	.213
	Within Groups	2.173	88	.025		
	Total	2.212	89			
Duration	Between Groups	1675162.153	1	1675162.153	5.241	.024
	Within Groups	28126631.847	88	319620.816		
	Total	29801794.000	89			
FirstActDet	Between Groups	2355.254	1	2355.254	.027	.871
	Within Groups	7777392.568	88	88379.461		
	Total	7779747.822	89			
LastActDet	Between Groups	6278143.861	1	6278143.861	25.185	.000
	Within Groups	21937052.861	88	249284.692		
	Total	28215196.722	89			
ProcDur	Between Groups	1467349.188	1	1467349.188	21.319	.000
	Within Groups	6056744.201	88	68826.639		
	Total	7524093.389	89			
FixRel	Between Groups	.424	1	.424	.153	.696
	Within Groups	243.294	88	2.765		
	Total	243.718	89			
FixIrrel	Between Groups	121.060	1	121.060	7.126	.009
	Within Groups	1495.037	88	16.989		
	Total	1616.098	89			
AvDurRelFix	Between Groups	812458.243	1	812458.243	19.222	.000
	Within Groups	3719569.101	88	42267.831		
	Total	4532027.344	89			
AvDurIrrelFix	Between Groups	253108.947	1	253108.947	2.644	.108
	Within Groups	8424423.762	88	95732.088		
	Total	8677532.710	89			
TotSac	Between Groups	21.844	1	21.844	.039	.844
	Within Groups	49275.812	88	559.952		
	Total	49297.656	89			
Sac2Key	Between Groups	64.562	1	64.562	.057	.812
	Within Groups	99704.061	88	1133.001		
	Total	99768.622	89			
AvAttention	Between Groups	.240	1	.240	7.481	.008
	Within Groups	2.824	88	.032		
	Total	3.064	89			
AvMentWL	Between Groups	.158	1	.158	4.684	.033
	Within Groups	2.978	88	.034		
	Total	3.136	89			
AvFam	Between Groups	.022	1	.022	.848	.360
	Within Groups	2.251	88	.026		
	Total	2.273	89			
AvSCL	Between Groups	42454.603	1	42454.603	1.979	.163
	Within Groups	1887731.719	88	21451.497		

	Total	1930186.322	89			
HRVar_RMSSD	Between Groups	203.790	1	203.790	.445	.506
	Within Groups	40261.783	88	457.520		
	Total	40465.573	89			
HRVar_NN50	Between Groups	596.331	1	596.331	1.562	.215
	Within Groups	33599.627	88	381.814		
	Total	34195.958	89			
NASA_MD	Between Groups	462.653	1	462.653	3.146	.080
	Within Groups	12942.903	88	147.078		
	Total	13405.556	89			
NASA_PD	Between Groups	884.976	1	884.976	2.257	.137
	Within Groups	34505.024	88	392.103		
	Total	35390.000	89			
NASA_TD	Between Groups	3188.997	1	3188.997	3.990	.049
	Within Groups	70335.726	88	799.270		
	Total	73524.722	89			
NASA_Performance	Between Groups	9560.239	1	9560.239	8.248	.005
	Within Groups	101999.761	88	1159.088		
	Total	111560.000	89			
NASA_Effort	Between Groups	282.457	1	282.457	1.201	.276
	Within Groups	20692.265	88	235.139		
	Total	20974.722	89			
NASA_Frustration	Between Groups	9703.355	1	9703.355	12.367	.001
	Within Groups	69045.534	88	784.608		
	Total	78748.889	89			
NASA_Score	Between Groups	2639.971	1	2639.971	6.741	.011
	Within Groups	34462.315	88	391.617		
	Total	37102.287	89			

Task * SelfEfficacy - i* concrete syntaxes, GenderMag self-efficacy facet, creation task

Dependent Variable	Task	SelfEfficacy	Mean	Std.	95% Confidence Interval	
				Error	Lower Bound	Upper Bound
Precision	i* 1.0 Create	Abby	.465	.040	.384	.545
		Tim	.316	.052	.212	.420
	iStar 2.0 Create	Abby	.529	.036	.458	.600
		Tim	.432	.048	.338	.527
Recall	i* 1.0 Create	Abby	.473	.045	.383	.563
		Tim	.484	.058	.368	.600
	iStar 2.0 Create	Abby	.568	.040	.489	.648
		Tim	.687	.053	.581	.793
FMeasure	i* 1.0 Create	Abby	.418	.030	.357	.478
		Tim	.355	.039	.277	.432
	iStar 2.0 Create	Abby	.494	.027	.441	.548
		Tim	.470	.036	.399	.541
Duration	i* 1.0 Create	Abby	1241.440	95.498	1051.595	1431.285
		Tim	1228.067	123.288	982.978	1473.155
	iStar 2.0 Create	Abby	1596.063	84.410	1428.262	1763.863
		Tim	2136.611	112.546	1912.877	2360.345
FirstActDet	i* 1.0 Create	Abby	688.560	34.196	620.580	756.540
		Tim	760.400	44.147	672.639	848.161
	iStar 2.0 Create	Abby	251.625	30.225	191.539	311.711
		Tim	198.444	40.300	118.330	278.559
LastActDet	i* 1.0 Create	Abby	1221.320	84.840	1052.664	1389.976
		Tim	1210.933	109.528	993.200	1428.667
	iStar 2.0 Create	Abby	1067.531	74.988	918.459	1216.603
		Tim	2076.500	99.985	1877.737	2275.263
ProcDur	i* 1.0 Create	Abby	20.120	33.507	-46.489	86.729
		Tim	17.133	43.257	-68.859	103.126
	iStar 2.0 Create	Abby	528.531	29.616	469.656	587.406
		Tim	60.111	39.488	-18.389	138.611
FixRel	i* 1.0 Create	Abby	5.056	.121	4.816	5.296
		Tim	4.761	.156	4.451	5.071
	iStar 2.0 Create	Abby	1.899	.107	1.687	2.112
		Tim	1.792	.142	1.509	2.075
FixIrrel	i* 1.0 Create	Abby	6.737	.816	5.115	8.358
		Tim	5.503	1.053	3.409	7.596
	iStar 2.0 Create	Abby	6.187	.721	4.754	7.620
		Tim	2.787	.961	.876	4.698
AvDurRelFix	i* 1.0 Create	Abby	463.110	34.846	393.839	532.381
		Tim	459.767	44.985	370.339	549.195
	iStar 2.0 Create	Abby	463.663	30.799	402.436	524.890
		Tim	827.932	41.066	746.296	909.568
AvDurIrrelFix	i* 1.0 Create	Abby	797.330	61.957	674.163	920.497
		Tim	787.300	79.986	628.292	946.308
	iStar 2.0 Create	Abby	858.188	54.763	749.323	967.053
		Tim	666.572	73.017	521.418	811.725
TotSac	i* 1.0 Create	Abby	117.720	2.246	113.256	122.184
		Tim	116.933	2.899	111.170	122.697
	iStar 2.0 Create	Abby	75.375	1.985	71.429	79.321
		Tim	76.667	2.647	71.405	81.928
Sac2Key	i* 1.0 Create	Abby	99.240	2.085	95.094	103.386
		Tim	98.800	2.692	93.448	104.152

	iStar 2.0 Create	Abby	34.688	1.843	31.023	38.352
		Tim	36.389	2.458	31.503	41.275
AvAttention	i* 1.0 Create	Abby	.788	.036	.716	.860
		Tim	.687	.047	.594	.780
	iStar 2.0 Create	Abby	.784	.032	.721	.848
		Tim	.672	.043	.587	.757
AvMentWL	i* 1.0 Create	Abby	.792	.034	.724	.860
		Tim	.813	.044	.726	.901
	iStar 2.0 Create	Abby	.756	.030	.696	.816
		Tim	.578	.040	.498	.658
AvFam	i* 1.0 Create	Abby	.464	.031	.402	.526
		Tim	.493	.040	.413	.574
	iStar 2.0 Create	Abby	.384	.028	.329	.439
		Tim	.417	.037	.343	.490
AvSCL	i* 1.0 Create	Abby	633.960	26.361	581.555	686.365
		Tim	702.400	34.032	634.746	770.054
	iStar 2.0 Create	Abby	779.969	23.300	733.649	826.288
		Tim	809.833	31.067	748.074	871.593
HRVar_RMSSD	i* 1.0 Create	Abby	37.226	4.307	28.663	45.788
		Tim	42.114	5.561	31.060	53.168
	iStar 2.0 Create	Abby	42.198	3.807	34.630	49.766
		Tim	43.994	5.076	33.904	54.085
HRVar_NN50	i* 1.0 Create	Abby	22.482	3.929	14.672	30.293
		Tim	24.691	5.072	14.608	34.774
	iStar 2.0 Create	Abby	23.651	3.473	16.747	30.554
		Tim	31.637	4.630	22.433	40.841
NASA_MD	i* 1.0 Create	Abby	83.800	2.438	78.953	88.647
		Tim	81.667	3.148	75.409	87.924
	iStar 2.0 Create	Abby	84.063	2.155	79.779	88.346
		Tim	77.222	2.873	71.510	82.934
NASA_PD	i* 1.0 Create	Abby	16.400	3.883	8.681	24.119
		Tim	34.000	5.013	24.035	43.965
	iStar 2.0 Create	Abby	23.906	3.432	17.084	30.729
		Tim	21.389	4.576	12.292	30.485
NASA_TD	i* 1.0 Create	Abby	48.600	5.538	37.591	59.609
		Tim	52.333	7.149	38.121	66.545
	iStar 2.0 Create	Abby	59.063	4.895	49.332	68.793
		Tim	33.611	6.526	20.637	46.585
NASA_Performance	i* 1.0 Create	Abby	29.600	5.760	18.149	41.051
		Tim	26.333	7.437	11.550	41.117
	iStar 2.0 Create	Abby	75.156	5.092	65.035	85.278
		Tim	40.000	6.789	26.504	53.496
NASA_Effort	i* 1.0 Create	Abby	76.000	3.101	69.835	82.165
		Tim	73.333	4.003	65.375	81.292
	iStar 2.0 Create	Abby	76.719	2.741	71.270	82.168
		Tim	72.222	3.655	64.957	79.487
NASA_Frustration	i* 1.0 Create	Abby	59.400	5.311	48.842	69.958
		Tim	59.000	6.857	45.369	72.631
	iStar 2.0 Create	Abby	79.688	4.695	70.355	89.020
		Tim	41.111	6.259	28.668	53.554
NASA_Score	i* 1.0 Create	Abby	52.300	3.410	45.521	59.079
		Tim	54.444	4.403	45.692	63.197
	iStar 2.0 Create	Abby	78.208	3.014	72.216	84.201

Tim	56.574	4.019	48.584	64.564
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**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag risk facet, creation task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	21.686	1	38.794	.000
Recall	Welch	17.505	1	60.766	.000
FMeasure	Welch	.029	1	43.244	.865
Duration	Welch	.609	1	41.649	.440
FirstActDet	Welch	5.803	1	59.117	.019
LastActDet	Welch	1.442	1	42.725	.236
ProcDur	Welch	.812	1	71.707	.371
FixRel	Welch	.808	1	69.775	.372
FixIrrel	Welch	3.370	1	43.435	.073
AvDurRelFix	Welch	.555	1	47.718	.460
AvDurIrrelFix	Welch	.508	1	74.218	.478
TotSac	Welch	1.469	1	70.275	.230
Sac2Key	Welch	2.547	1	66.355	.115
AvAttention	Welch	2.047	1	67.827	.157
AvMentWL	Welch	.705	1	54.792	.405
AvFam	Welch	.528	1	57.709	.470
AvSCL	Welch	2.225	1	69.634	.140
HRVar_RMSSD	Welch	8.789	1	62.137	.004
HRVar_NN50	Welch	2.004	1	70.146	.161
NASA_MD	Welch	2.827	1	47.170	.099
NASA_PD	Welch	4.393	1	39.863	.042
NASA_TD	Welch	11.275	1	49.288	.002
NASA_Performance	Welch	10.992	1	79.824	.001
NASA_Effort	Welch	1.486	1	46.227	.229
NASA_Frustration	Welch	22.997	1	87.213	.000
NASA_Score	Welch	11.042	1	65.133	.001

a. Asymptotically F distributed.

ANOVA - i* concrete syntaxes, GenderMag risk facet, creation task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	1.044	1	1.044	31.223	.000
	Within Groups	2.944	88	.033		
	Total	3.988	89			
Recall	Between Groups	.826	1	.826	17.571	.000
	Within Groups	4.139	88	.047		
	Total	4.966	89			
FMeasure	Between Groups	.001	1	.001	.038	.845
	Within Groups	2.211	88	.025		
	Total	2.212	89			
Duration	Between Groups	275382.225	1	275382.225	.821	.367
	Within Groups	29526411.775	88	335527.407		
	Total	29801794.000	89			
FirstActDet	Between Groups	492041.086	1	492041.086	5.941	.017
	Within Groups	7287706.736	88	82814.849		
	Total	7779747.822	89			
LastActDet	Between Groups	596509.058	1	596509.058	1.901	.172
	Within Groups	27618687.664	88	313848.723		
	Total	28215196.722	89			
ProcDur	Between Groups	61291.526	1	61291.526	.723	.398
	Within Groups	7462801.863	88	84804.567		
	Total	7524093.389	89			
FixRel	Between Groups	2.015	1	2.015	.734	.394
	Within Groups	241.703	88	2.747		
	Total	243.718	89			
FixIrrel	Between Groups	76.624	1	76.624	4.380	.039
	Within Groups	1539.474	88	17.494		
	Total	1616.098	89			
AvDurRelFix	Between Groups	34142.124	1	34142.124	.668	.416
	Within Groups	4497885.220	88	51112.332		
	Total	4532027.344	89			
AvDurIrrelFix	Between Groups	43236.076	1	43236.076	.441	.509
	Within Groups	8634296.634	88	98117.007		
	Total	8677532.710	89			
TotSac	Between Groups	732.534	1	732.534	1.327	.252
	Within Groups	48565.122	88	551.876		
	Total	49297.656	89			
Sac2Key	Between Groups	2649.037	1	2649.037	2.400	.125
	Within Groups	97119.586	88	1103.632		
	Total	99768.622	89			
AvAttention	Between Groups	.065	1	.065	1.898	.172
	Within Groups	2.999	88	.034		
	Total	3.064	89			
AvMentWL	Between Groups	.027	1	.027	.763	.385
	Within Groups	3.109	88	.035		
	Total	3.136	89			
AvFam	Between Groups	.014	1	.014	.550	.460
	Within Groups	2.259	88	.026		
	Total	2.273	89			
AvSCL	Between Groups	43398.332	1	43398.332	2.024	.158
	Within Groups	1886787.990	88	21440.773		
	Total					

	Total	1930186.322	89			
HRVar_RMSSD	Between Groups	3634.001	1	3634.001	8.683	.004
	Within Groups	36831.572	88	418.541		
	Total	40465.573	89			
HRVar_NN50	Between Groups	690.498	1	690.498	1.814	.182
	Within Groups	33505.459	88	380.744		
	Total	34195.958	89			
NASA_MD	Between Groups	503.068	1	503.068	3.431	.067
	Within Groups	12902.488	88	146.619		
	Total	13405.556	89			
NASA_PD	Between Groups	2317.119	1	2317.119	6.165	.015
	Within Groups	33072.881	88	375.828		
	Total	35390.000	89			
NASA_TD	Between Groups	9601.239	1	9601.239	13.218	.000
	Within Groups	63923.483	88	726.403		
	Total	73524.722	89			
NASA_Performance	Between Groups	10306.884	1	10306.884	8.958	.004
	Within Groups	101253.116	88	1150.604		
	Total	111560.000	89			
NASA_Effort	Between Groups	428.139	1	428.139	1.834	.179
	Within Groups	20546.583	88	233.484		
	Total	20974.722	89			
NASA_Frustration	Between Groups	12571.169	1	12571.169	16.717	.000
	Within Groups	66177.720	88	752.020		
	Total	78748.889	89			
NASA_Score	Between Groups	3970.358	1	3970.358	10.545	.002
	Within Groups	33131.928	88	376.499		
	Total	37102.287	89			

Task * Risk - i* concrete syntaxes, GenderMag risk facet, creation task

Dependent Variable	Task	Risk	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Create	Abby	.543	.042	.459	.627
		Tim	.310	.036	.238	.382
	iStar 2.0 Create	Abby	.680	.047	.587	.773
		Tim	.422	.029	.364	.480
Recall	i* 1.0 Create	Abby	.402	.051	.301	.504
		Tim	.532	.044	.445	.620
	iStar 2.0 Create	Abby	.440	.056	.328	.552
		Tim	.678	.035	.608	.748
FMeasure	i* 1.0 Create	Abby	.419	.037	.345	.492
		Tim	.376	.032	.312	.439
	iStar 2.0 Create	Abby	.486	.041	.405	.567
		Tim	.485	.025	.435	.536
Duration	i* 1.0 Create	Abby	1218.882	119.856	980.617	1457.148
		Tim	1249.391	103.043	1044.548	1454.235
	iStar 2.0 Create	Abby	2108.500	132.075	1845.944	2371.056
		Tim	1667.056	82.363	1503.323	1830.788
FirstActDet	i* 1.0 Create	Abby	718.588	40.139	638.795	798.382
		Tim	713.217	34.509	644.617	781.818
	iStar 2.0 Create	Abby	343.429	44.231	255.500	431.357
		Tim	189.333	27.583	134.500	244.166
LastActDet	i* 1.0 Create	Abby	1183.529	130.599	923.908	1443.151
		Tim	1242.478	112.279	1019.275	1465.682
	iStar 2.0 Create	Abby	1769.714	143.913	1483.625	2055.803
		Tim	1298.944	89.745	1120.537	1477.352
ProcDur	i* 1.0 Create	Abby	35.353	58.040	-80.027	150.733
		Tim	6.913	49.899	-92.283	106.109
	iStar 2.0 Create	Abby	338.786	63.957	211.643	465.929
		Tim	368.111	39.884	288.824	447.399
FixRel	i* 1.0 Create	Abby	4.673	.143	4.388	4.958
		Tim	5.147	.123	4.902	5.391
	iStar 2.0 Create	Abby	1.939	.158	1.625	2.252
		Tim	1.831	.098	1.635	2.026
FixIrrel	i* 1.0 Create	Abby	7.649	1.016	5.630	9.668
		Tim	5.257	.873	3.522	6.993
	iStar 2.0 Create	Abby	5.810	1.119	3.585	8.035
		Tim	4.634	.698	3.246	6.021
AvDurRelFix	i* 1.0 Create	Abby	457.471	52.055	353.988	560.953
		Tim	465.098	44.753	376.131	554.064
	iStar 2.0 Create	Abby	690.221	57.362	576.189	804.254
		Tim	557.691	35.772	486.580	628.803
AvDurIrrelFix	i* 1.0 Create	Abby	780.412	76.783	627.772	933.052
		Tim	803.293	66.013	672.065	934.522
	iStar 2.0 Create	Abby	737.224	84.611	569.023	905.425
		Tim	809.421	52.764	704.530	914.313
TotSac	i* 1.0 Create	Abby	114.588	2.680	109.261	119.916
		Tim	119.522	2.304	114.941	124.102
	iStar 2.0 Create	Abby	78.429	2.953	72.558	84.299
		Tim	74.833	1.842	71.172	78.494
Sac2Key	i* 1.0 Create	Abby	97.235	2.475	92.316	102.155
		Tim	100.435	2.128	96.205	104.664

	iStar 2.0 Create	Abby	39.429	2.727	34.007	44.850
		Tim	33.694	1.701	30.314	37.075
AvAttention	i* 1.0 Create	Abby	.712	.045	.622	.802
		Tim	.778	.039	.701	.856
	iStar 2.0 Create	Abby	.707	.050	.608	.806
		Tim	.758	.031	.697	.820
AvMentWL	i* 1.0 Create	Abby	.741	.044	.655	.828
		Tim	.843	.037	.769	.918
	iStar 2.0 Create	Abby	.686	.048	.590	.781
		Tim	.694	.030	.635	.754
AvFam	i* 1.0 Create	Abby	.529	.037	.456	.603
		Tim	.435	.032	.371	.498
	iStar 2.0 Create	Abby	.350	.041	.269	.431
		Tim	.414	.025	.363	.464
AvSCL	i* 1.0 Create	Abby	654.235	32.344	589.937	718.534
		Tim	663.609	27.807	608.329	718.888
	iStar 2.0 Create	Abby	760.357	35.642	689.503	831.211
		Tim	802.528	22.227	758.343	846.713
HRVar_RMSSD	i* 1.0 Create	Abby	24.638	4.821	15.055	34.222
		Tim	49.717	4.145	41.478	57.957
	iStar 2.0 Create	Abby	41.816	5.312	31.255	52.376
		Tim	43.245	3.313	36.659	49.831
HRVar_NN50	i* 1.0 Create	Abby	11.420	4.447	2.580	20.260
		Tim	32.100	3.823	24.500	39.699
	iStar 2.0 Create	Abby	33.243	4.900	23.502	42.984
		Tim	23.913	3.056	17.839	29.988
NASA_MD	i* 1.0 Create	Abby	83.529	2.935	77.695	89.364
		Tim	82.609	2.523	77.593	87.625
	iStar 2.0 Create	Abby	87.857	3.234	81.428	94.286
		Tim	79.167	2.017	75.157	83.176
NASA_PD	i* 1.0 Create	Abby	31.471	4.732	22.063	40.878
		Tim	16.739	4.068	8.651	24.827
	iStar 2.0 Create	Abby	28.214	5.215	17.848	38.581
		Tim	20.972	3.252	14.508	27.437
NASA_TD	i* 1.0 Create	Abby	67.941	6.521	54.979	80.904
		Tim	36.739	5.606	25.595	47.883
	iStar 2.0 Create	Abby	59.643	7.185	45.359	73.927
		Tim	46.111	4.481	37.203	55.019
NASA_Performance	i* 1.0 Create	Abby	46.765	6.881	33.085	60.445
		Tim	14.783	5.916	3.022	26.544
	iStar 2.0 Create	Abby	80.714	7.583	65.640	95.789
		Tim	55.417	4.729	46.016	64.817
NASA_Effort	i* 1.0 Create	Abby	73.824	3.666	66.535	81.112
		Tim	75.870	3.152	69.603	82.136
	iStar 2.0 Create	Abby	83.214	4.040	75.183	91.246
		Tim	71.944	2.520	66.936	76.953
NASA_Frustration	i* 1.0 Create	Abby	75.000	6.607	61.866	88.134
		Tim	47.609	5.680	36.317	58.900
	iStar 2.0 Create	Abby	84.286	7.280	69.813	98.759
		Tim	58.611	4.540	49.586	67.637
NASA_Score	i* 1.0 Create	Abby	63.088	4.104	54.930	71.246
		Tim	45.725	3.528	38.711	52.738
	iStar 2.0 Create	Abby	82.571	4.522	73.582	91.561

	Tim	65.694	2.820	60.088	71.300
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**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag learning style facet, creation task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	3.954	1	43.097	.053
Recall	Welch	2.937	1	50.435	.093
FMeasure	Welch	3.846	1	39.739	.057
Duration	Welch	5.633	1	35.010	.023
FirstActDet	Welch	30.001	1	69.257	.000
LastActDet	Welch	6.508	1	38.490	.015
ProcDur	Welch	.004	1	46.072	.949
FixRel	Welch	1.407	1	53.352	.241
FixIrrel	Welch	15.386	1	87.735	.000
AvDurRelFix	Welch	1.506	1	39.560	.227
AvDurIrrelFix	Welch	2.905	1	46.621	.095
TotSac	Welch	1.804	1	48.948	.185
Sac2Key	Welch	2.342	1	48.656	.132
AvAttention	Welch	.059	1	47.991	.809
AvMentWL	Welch	.041	1	44.896	.840
AvFam	Welch	.081	1	39.657	.777
AvSCL	Welch	.946	1	53.735	.335
HRVar_RMSSD	Welch	.323	1	44.284	.573
HRVar_NN50	Welch	.685	1	54.148	.411
NASA_MD	Welch	.498	1	53.459	.483
NASA_PD	Welch	5.689	1	37.528	.022
NASA_TD	Welch	5.534	1	53.652	.022
NASA_Performance	Welch	1.771	1	50.047	.189
NASA_Effort	Welch	2.562	1	50.496	.116
NASA_Frustration	Welch	3.681	1	63.378	.060
NASA_Score	Welch	2.399	1	47.486	.128

a. Asymptotically F distributed.

ANOVA - i* concrete syntaxes, GenderMag learning style facet, creation task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.202	1	.202	4.697	.033
	Within Groups	3.786	88	.043		
	Total	3.988	89			
Recall	Between Groups	.165	1	.165	3.023	.086
	Within Groups	4.801	88	.055		
	Total	4.966	89			
FMeasure	Between Groups	.118	1	.118	4.962	.028
	Within Groups	2.094	88	.024		
	Total	2.212	89			
Duration	Between Groups	2599942.540	1	2599942.540	8.411	.005
	Within Groups	27201851.460	88	309111.948		
	Total	29801794.000	89			
FirstActDet	Between Groups	1663558.584	1	1663558.584	23.935	.000
	Within Groups	6116189.238	88	69502.150		
	Total	7779747.822	89			
LastActDet	Between Groups	2536372.504	1	2536372.504	8.692	.004
	Within Groups	25678824.218	88	291804.821		
	Total	28215196.722	89			
ProcDur	Between Groups	393.405	1	393.405	.005	.946
	Within Groups	7523699.984	88	85496.591		
	Total	7524093.389	89			
FixRel	Between Groups	3.767	1	3.767	1.381	.243
	Within Groups	239.952	88	2.727		
	Total	243.718	89			
FixIrrel	Between Groups	156.039	1	156.039	9.405	.003
	Within Groups	1460.059	88	16.592		
	Total	1616.098	89			
AvDurRelFix	Between Groups	98387.906	1	98387.906	1.953	.166
	Within Groups	4433639.438	88	50382.266		
	Total	4532027.344	89			
AvDurIrrelFix	Between Groups	304896.256	1	304896.256	3.205	.077
	Within Groups	8372636.454	88	95143.596		
	Total	8677532.710	89			
TotSac	Between Groups	1045.042	1	1045.042	1.906	.171
	Within Groups	48252.614	88	548.325		
	Total	49297.656	89			
Sac2Key	Between Groups	2741.452	1	2741.452	2.486	.118
	Within Groups	97027.171	88	1102.581		
	Total	99768.622	89			
AvAttention	Between Groups	.002	1	.002	.064	.801
	Within Groups	3.062	88	.035		
	Total	3.064	89			
AvMentWL	Between Groups	.002	1	.002	.047	.829
	Within Groups	3.134	88	.036		
	Total	3.136	89			
AvFam	Between Groups	.003	1	.003	.105	.746
	Within Groups	2.270	88	.026		
	Total	2.273	89			
AvSCL	Between Groups	20041.588	1	20041.588	.923	.339
	Within Groups	1910144.734	88	21706.190		

	Total	1930186.322	89			
HRVar_RMSSD	Between Groups	171.200	1	171.200	.374	.542
	Within Groups	40294.373	88	457.891		
	Total	40465.573	89			
HRVar_NN50	Between Groups	256.407	1	256.407	.665	.417
	Within Groups	33939.550	88	385.677		
	Total	34195.958	89			
NASA_MD	Between Groups	73.989	1	73.989	.488	.486
	Within Groups	13331.567	88	151.495		
	Total	13405.556	89			
NASA_PD	Between Groups	2887.465	1	2887.465	7.818	.006
	Within Groups	32502.535	88	369.347		
	Total	35390.000	89			
NASA_TD	Between Groups	4257.067	1	4257.067	5.408	.022
	Within Groups	69267.656	88	787.132		
	Total	73524.722	89			
NASA_Performance	Between Groups	2279.038	1	2279.038	1.835	.179
	Within Groups	109280.962	88	1241.829		
	Total	111560.000	89			
NASA_Effort	Between Groups	609.688	1	609.688	2.635	.108
	Within Groups	20365.035	88	231.421		
	Total	20974.722	89			
NASA_Frustration	Between Groups	2721.354	1	2721.354	3.150	.079
	Within Groups	76027.535	88	863.949		
	Total	78748.889	89			
NASA_Score	Between Groups	1065.973	1	1065.973	2.603	.110
	Within Groups	36036.314	88	409.504		
	Total	37102.287	89			

Task * LearningStyle - i* concrete syntaxes, GenderMag learning style facet, creation task

Dependent Variable	Task	LearningStyle	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Create	Abby	.285	.050	.186	.384
		Tim	.492	.041	.411	.572
	iStar 2.0 Create	Abby	.520	.057	.406	.634
		Tim	.486	.032	.422	.550
Recall	i* 1.0 Create	Abby	.450	.057	.337	.563
		Tim	.495	.046	.403	.587
	iStar 2.0 Create	Abby	.538	.066	.408	.669
		Tim	.634	.037	.561	.708
FMeasure	i* 1.0 Create	Abby	.322	.037	.249	.396
		Tim	.442	.030	.382	.502
	iStar 2.0 Create	Abby	.482	.043	.397	.567
		Tim	.486	.024	.439	.534
Duration	i* 1.0 Create	Abby	1291.688	106.404	1080.164	1503.211
		Tim	1199.583	86.878	1026.875	1372.291
	iStar 2.0 Create	Abby	2471.333	122.864	2227.087	2715.579
		Tim	1575.711	69.044	1438.456	1712.965
FirstActDet	i* 1.0 Create	Abby	771.125	32.882	705.758	836.492
		Tim	678.417	26.848	625.045	731.788
	iStar 2.0 Create	Abby	487.250	37.969	411.771	562.729
		Tim	152.026	21.337	109.611	194.442
LastActDet	i* 1.0 Create	Abby	1274.313	126.397	1023.044	1525.581
		Tim	1179.500	103.203	974.340	1384.660
	iStar 2.0 Create	Abby	2001.000	145.951	1710.860	2291.140
		Tim	1250.684	82.017	1087.640	1413.729
ProcDur	i* 1.0 Create	Abby	17.375	58.748	-99.411	134.161
		Tim	20.083	47.967	-75.272	115.439
	iStar 2.0 Create	Abby	470.333	67.836	335.480	605.187
		Tim	325.026	38.120	249.245	400.807
FixRel	i* 1.0 Create	Abby	4.822	.152	4.519	5.124
		Tim	5.027	.124	4.780	5.275
	iStar 2.0 Create	Abby	1.822	.176	1.472	2.171
		Tim	1.873	.099	1.677	2.069
FixIrrel	i* 1.0 Create	Abby	4.011	1.002	2.019	6.003
		Tim	7.782	.818	6.156	9.409
	iStar 2.0 Create	Abby	3.020	1.157	.720	5.320
		Tim	5.577	.650	4.284	6.869
AvDurRelFix	i* 1.0 Create	Abby	475.672	52.849	370.612	580.731
		Tim	452.646	43.151	366.865	538.427
	iStar 2.0 Create	Abby	730.570	61.024	609.258	851.882
		Tim	551.925	34.293	483.753	620.097
AvDurIrrelFix	i* 1.0 Create	Abby	835.016	77.651	680.650	989.381
		Tim	765.938	63.402	639.899	891.976
	iStar 2.0 Create	Abby	934.743	89.664	756.497	1112.988
		Tim	743.247	50.387	643.082	843.413
TotSac	i* 1.0 Create	Abby	118.000	2.806	112.422	123.578
		Tim	117.042	2.291	112.487	121.596
	iStar 2.0 Create	Abby	74.583	3.240	68.142	81.025
		Tim	76.237	1.821	72.617	79.857
Sac2Key	i* 1.0 Create	Abby	100.250	2.603	95.076	105.424
		Tim	98.292	2.125	94.067	102.516

	iStar 2.0 Create	Abby	34.000	3.005	28.025	39.975
		Tim	35.711	1.689	32.353	39.068
AvAttention	i* 1.0 Create	Abby	.713	.047	.620	.805
		Tim	.775	.038	.699	.851
	iStar 2.0 Create	Abby	.775	.054	.668	.882
		Tim	.734	.030	.674	.795
AvMentWL	i* 1.0 Create	Abby	.819	.045	.728	.909
		Tim	.788	.037	.714	.861
	iStar 2.0 Create	Abby	.650	.052	.546	.754
		Tim	.705	.029	.647	.764
AvFam	i* 1.0 Create	Abby	.513	.039	.436	.589
		Tim	.450	.032	.387	.513
	iStar 2.0 Create	Abby	.342	.045	.253	.430
		Tim	.413	.025	.363	.463
AvSCL	i* 1.0 Create	Abby	654.812	33.530	588.157	721.468
		Tim	662.833	27.377	608.409	717.257
	iStar 2.0 Create	Abby	784.167	38.717	707.200	861.134
		Tim	792.789	21.757	749.538	836.041
HRVar_RMSSD	i* 1.0 Create	Abby	36.134	5.386	25.427	46.842
		Tim	41.008	4.398	32.266	49.751
	iStar 2.0 Create	Abby	43.077	6.219	30.713	55.440
		Tim	42.771	3.495	35.824	49.719
HRVar_NN50	i* 1.0 Create	Abby	19.524	4.940	9.703	29.345
		Tim	25.835	4.034	17.816	33.854
	iStar 2.0 Create	Abby	26.666	5.705	15.326	38.007
		Tim	26.481	3.206	20.109	32.854
NASA_MD	i* 1.0 Create	Abby	80.000	3.003	74.031	85.969
		Tim	85.000	2.452	80.126	89.874
	iStar 2.0 Create	Abby	88.333	3.467	81.441	95.226
		Tim	79.474	1.948	75.600	83.347
NASA_PD	i* 1.0 Create	Abby	31.563	4.849	21.922	41.203
		Tim	17.292	3.960	9.420	25.163
	iStar 2.0 Create	Abby	31.250	5.600	20.118	42.382
		Tim	20.395	3.147	14.139	26.650
NASA_TD	i* 1.0 Create	Abby	45.938	6.579	32.859	59.016
		Tim	52.708	5.372	42.029	63.387
	iStar 2.0 Create	Abby	79.167	7.597	64.064	94.269
		Tim	40.658	4.269	32.171	49.145
NASA_Performance	i* 1.0 Create	Abby	28.750	7.338	14.162	43.338
		Tim	28.125	5.992	16.214	40.036
	iStar 2.0 Create	Abby	89.583	8.473	72.739	106.428
		Tim	53.947	4.762	44.482	63.413
NASA_Effort	i* 1.0 Create	Abby	74.688	3.770	67.194	82.181
		Tim	75.208	3.078	69.090	81.327
	iStar 2.0 Create	Abby	84.583	4.353	75.931	93.236
		Tim	72.105	2.446	67.243	76.968
NASA_Frustration	i* 1.0 Create	Abby	56.563	7.032	42.584	70.541
		Tim	61.042	5.741	49.628	72.455
	iStar 2.0 Create	Abby	90.417	8.119	74.276	106.558
		Tim	58.026	4.563	48.956	67.097
NASA_Score	i* 1.0 Create	Abby	52.917	4.321	44.326	61.507
		Tim	53.229	3.528	46.215	60.243
	iStar 2.0 Create	Abby	87.750	4.990	77.830	97.670
		Tim				

	Tim	64.947	2.804	59.373	70.522
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