

**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
AvDurlrelFix	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			
AvDurlrelFix	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
AvDurlIrrelFix	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

**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	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	
					Lower Bound	Upper Bound
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
AvDurlIrrelFix	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
AvAttention	iStar 2.0 Create	Abby	34.949	1.670	31.628	38.270
		Tim	36.545	3.145	30.293	42.798
	i* 1.0 Create	Abby	.810	.029	.752	.868
		Tim	.544	.054	.437	.652
AvMentWL	iStar 2.0 Create	Abby	.785	.026	.733	.836
		Tim	.600	.049	.502	.698
	i* 1.0 Create	Abby	.813	.032	.750	.876
		Tim	.756	.059	.639	.873
AvFam	iStar 2.0 Create	Abby	.723	.028	.667	.779
		Tim	.582	.053	.476	.688
	i* 1.0 Create	Abby	.445	.027	.391	.500
		Tim	.578	.051	.477	.679
AvSCL	iStar 2.0 Create	Abby	.390	.024	.341	.438
		Tim	.418	.046	.327	.510
	i* 1.0 Create	Abby	661.484	23.419	614.928	708.040
		Tim	653.222	43.464	566.818	739.626
HRVar_RMSSD	iStar 2.0 Create	Abby	768.744	20.879	727.237	810.251
		Tim	868.636	39.315	790.481	946.792
	i* 1.0 Create	Abby	41.273	3.847	33.626	48.920
		Tim	31.432	7.139	17.240	45.625
HRVar_NN50	iStar 2.0 Create	Abby	43.190	3.430	36.372	50.008
		Tim	41.620	6.458	28.782	54.457
	i* 1.0 Create	Abby	25.311	3.460	18.432	32.190
		Tim	16.422	6.422	3.655	29.189
NASA_MD	iStar 2.0 Create	Abby	23.625	3.085	17.492	29.758
		Tim	36.810	5.809	25.262	48.358
	i* 1.0 Create	Abby	84.839	2.146	80.572	89.106
		Tim	76.667	3.983	68.748	84.586
NASA_PD	iStar 2.0 Create	Abby	83.462	1.914	79.657	87.266
		Tim	75.000	3.603	67.837	82.163
	i* 1.0 Create	Abby	17.419	3.410	10.640	24.199
		Tim	42.222	6.329	29.640	54.805
NASA_TD	iStar 2.0 Create	Abby	23.718	3.041	17.674	29.762
		Tim	20.455	5.725	9.073	31.836
	i* 1.0 Create	Abby	50.806	5.149	40.571	61.042
		Tim	47.222	9.556	28.226	66.218
NASA_Performance	iStar 2.0 Create	Abby	53.846	4.590	44.721	62.972
		Tim	35.909	8.643	18.727	53.092
	i* 1.0 Create	Abby	26.774	5.125	16.587	36.962
		Tim	33.889	9.511	14.982	52.796
NASA_Effort	iStar 2.0 Create	Abby	71.795	4.569	62.712	80.877
		Tim	29.545	8.603	12.443	46.647
	i* 1.0 Create	Abby	75.968	2.776	70.450	81.486
		Tim	71.667	5.152	61.426	81.908
NASA_Frustration	iStar 2.0 Create	Abby	76.410	2.475	71.491	81.330
		Tim	70.455	4.660	61.191	79.718
	i* 1.0 Create	Abby	59.194	4.751	49.749	68.638
		Tim	59.444	8.817	41.916	76.973
NASA_Score	iStar 2.0 Create	Abby	75.769	4.236	67.349	84.190
		Tim	30.455	7.976	14.599	46.310
	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. Error	95% Confidence Interval	
					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
AvDurlIrrelFix	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

**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	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
AvDurlIrrelFix	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

**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
AvDurlIrrelFix	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

64.947

2.804

59.373

70.522

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag motivation facet, modification task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	5.061	1	81.807	.027
Recall	Welch	.616	1	78.466	.435
FMeasure	Welch	.629	1	82.312	.430
Duration	Welch	1.551	1	53.378	.218
FirstActDet	Welch	.274	1	70.457	.602
LastActDet	Welch	2.151	1	47.687	.149
ProcDur	Welch	.420	1	75.428	.519
FixRel	Welch	.032	1	70.051	.858
FixIrrel	Welch	.608	1	57.035	.439
AvDurRelFix	Welch	.002	1	67.174	.960
AvDurIrrelFix	Welch	.556	1	69.564	.458
TotSac	Welch	.192	1	71.365	.662
Sac2Key	Welch	.158	1	69.469	.692
AvAttention	Welch	.009	1	79.357	.926
AvMentWL	Welch	.020	1	72.964	.888
AvFam	Welch	1.544	1	71.328	.218
AvSCL	Welch	.092	1	63.869	.762
HRVar_RMSSD	Welch	2.638	1	70.723	.109
HRVar_NN50	Welch	1.755	1	74.166	.189
NASA_MD	Welch	.171	1	74.875	.680
NASA_PD	Welch	.267	1	67.820	.607
NASA_TD	Welch	.120	1	70.928	.730
NASA_Performance	Welch	1.002	1	77.586	.320
NASA_Effort	Welch	1.409	1	69.735	.239
NASA_Frustration	Welch	1.444	1	75.103	.233
NASA_Score	Welch	.209	1	81.135	.649

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.233	1	.233	4.519	.036
	Within Groups	4.529	88	.051		
	Total	4.762	89			
Recall	Between Groups	.041	1	.041	.569	.453
	Within Groups	6.284	88	.071		
	Total	6.325	89			
FMeasure	Between Groups	.024	1	.024	.558	.457
	Within Groups	3.772	88	.043		
	Total	3.796	89			
Duration	Between Groups	481717.064	1	481717.064	1.825	.180
	Within Groups	23226862.936	88	263941.624		
	Total	23708580.000	89			
FirstActDet	Between Groups	22168.242	1	22168.242	.273	.603
	Within Groups	7157848.747	88	81339.190		
	Total	7180016.989	89			
LastActDet	Between Groups	727053.110	1	727053.110	2.717	.103
	Within Groups	23549473.112	88	267607.649		
	Total	24276526.222	89			
ProcDur	Between Groups	25158.938	1	25158.938	.399	.529
	Within Groups	5547532.618	88	63040.143		
	Total	5572691.556	89			
FixRel	Between Groups	.101	1	.101	.032	.859
	Within Groups	278.868	88	3.169		
	Total	278.969	89			
FixIrrel	Between Groups	11.266	1	11.266	.688	.409
	Within Groups	1441.690	88	16.383		
	Total	1452.956	89			
AvDurRelFix	Between Groups	191.854	1	191.854	.003	.960
	Within Groups	6641445.123	88	75470.967		
	Total	6641636.977	89			
AvDurIrrelFix	Between Groups	73213.312	1	73213.312	.558	.457
	Within Groups	11556250.709	88	131321.031		
	Total	11629464.021	89			
TotSac	Between Groups	113.081	1	113.081	.190	.664
	Within Groups	52439.541	88	595.904		
	Total	52552.622	89			
Sac2Key	Between Groups	144.378	1	144.378	.158	.692
	Within Groups	80207.722	88	911.451		
	Total	80352.100	89			
AvAttention	Between Groups	.000	1	.000	.008	.929
	Within Groups	3.545	88	.040		
	Total	3.545	89			
AvMentWL	Between Groups	.001	1	.001	.019	.890
	Within Groups	3.103	88	.035		
	Total	3.104	89			
AvFam	Between Groups	.045	1	.045	1.523	.220
	Within Groups	2.600	88	.030		
	Total	2.645	89			
AvSCL	Between Groups	2053.353	1	2053.353	.098	.756
	Within Groups	1852855.936	88	21055.181		

	Total	1854909.289	89			
HRVar_RMSSD	Between Groups	1124.678	1	1124.678	2.616	.109
	Within Groups	37828.454	88	429.869		
	Total	38953.132	89			
HRVar_NN50	Between Groups	650.891	1	650.891	1.688	.197
	Within Groups	33938.591	88	385.666		
	Total	34589.481	89			
NASA_MD	Between Groups	35.603	1	35.603	.163	.687
	Within Groups	19172.453	88	217.869		
	Total	19208.056	89			
NASA_PD	Between Groups	141.835	1	141.835	.272	.603
	Within Groups	45937.054	88	522.012		
	Total	46078.889	89			
NASA_TD	Between Groups	69.057	1	69.057	.119	.731
	Within Groups	51192.332	88	581.731		
	Total	51261.389	89			
NASA_Performance	Between Groups	762.400	1	762.400	.933	.337
	Within Groups	71890.100	88	816.933		
	Total	72652.500	89			
NASA_Effort	Between Groups	356.865	1	356.865	1.410	.238
	Within Groups	22267.857	88	253.044		
	Total	22624.722	89			
NASA_Frustration	Between Groups	830.561	1	830.561	1.376	.244
	Within Groups	53114.995	88	603.579		
	Total	53945.556	89			
NASA_Score	Between Groups	55.768	1	55.768	.188	.666
	Within Groups	26148.930	88	297.147		
	Total	26204.698	89			

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

Dependent Variable	Task	Motivation	Mean	95% Confidence Interval		
				Std. Error	Lower Bound	Upper Bound
Precision	i* 1.0 Modify	Abby	.630 ^a	.055	.520	.741
		Tim	.364 ^a	.041	.281	.446
	iStar 2.0 Modify	Abby	.619 ^a	.043	.533	.705
		Tim	.608 ^a	.032	.543	.672
Recall	i* 1.0 Modify	Abby	.529 ^a	.095	.340	.717
		Tim	.561 ^a	.071	.419	.702
	iStar 2.0 Modify	Abby	.627 ^a	.074	.480	.775
		Tim	.713 ^a	.055	.603	.823
FMeasure	i* 1.0 Modify	Abby	.530 ^a	.064	.402	.659
		Tim	.427 ^a	.048	.331	.524
	iStar 2.0 Modify	Abby	.569 ^a	.050	.469	.670
		Tim	.621 ^a	.038	.546	.696
Duration	i* 1.0 Modify	Abby	1118.256 ^a	123.443	871.862	1364.649
		Tim	1219.779 ^a	92.330	1035.488	1404.069
	iStar 2.0 Modify	Abby	1675.150 ^a	96.391	1482.753	1867.547
		Tim	1291.989 ^a	72.177	1147.923	1436.056
FirstActDet	i* 1.0 Modify	Abby	580.767 ^a	33.271	514.357	647.176
		Tim	639.911 ^a	24.885	590.239	689.582
	iStar 2.0 Modify	Abby	175.292 ^a	25.980	123.435	227.148
		Tim	193.824 ^a	19.454	154.994	232.654
LastActDet	i* 1.0 Modify	Abby	1080.128 ^a	102.727	875.084	1285.172
		Tim	1195.543 ^a	76.835	1042.180	1348.906
	iStar 2.0 Modify	Abby	1398.871 ^a	80.215	1238.761	1558.980
		Tim	861.964 ^a	60.065	742.075	981.854
ProcDur	i* 1.0 Modify	Abby	38.128 ^a	57.594	-76.830	153.085
		Tim	24.236 ^a	43.077	-61.747	110.218
	iStar 2.0 Modify	Abby	276.279 ^a	44.972	186.514	366.044
		Tim	430.025 ^a	33.675	362.809	497.241
FixRel	i* 1.0 Modify	Abby	5.088 ^a	.234	4.620	5.555
		Tim	4.951 ^a	.175	4.601	5.301
	iStar 2.0 Modify	Abby	1.744 ^a	.183	1.379	2.109
		Tim	1.552 ^a	.137	1.279	1.826
FixIrrel	i* 1.0 Modify	Abby	7.864 ^a	1.159	5.552	10.177
		Tim	3.968 ^a	.867	2.238	5.698
	iStar 2.0 Modify	Abby	3.386 ^a	.905	1.581	5.192
		Tim	4.244 ^a	.677	2.892	5.596
AvDurRelFix	i* 1.0 Modify	Abby	337.814 ^a	80.577	176.982	498.646
		Tim	363.195 ^a	60.268	242.900	483.490
	iStar 2.0 Modify	Abby	559.942 ^a	62.919	434.355	685.528
		Tim	490.158 ^a	47.113	396.119	584.196
AvDurlIrrelFix	i* 1.0 Modify	Abby	661.442 ^a	117.239	427.432	895.451

	Tim	737.584 ^a	87.689	562.556	912.612
iStar 2.0 Modify	Abby	718.726 ^a	91.546	535.999	901.454
	Tim	614.173 ^a	68.550	477.347	750.999
TotSac	i* 1.0 Modify	105.089 ^a	4.066	96.974	113.204
	Tim	104.843 ^a	3.041	98.773	110.913
iStar 2.0 Modify	Abby	61.600 ^a	3.175	55.263	67.937
	Tim	61.482 ^a	2.377	56.737	66.227
Sac2Key	i* 1.0 Modify	88.028 ^a	3.391	81.259	94.797
	Tim	88.450 ^a	2.537	83.387	93.513
iStar 2.0 Modify	Abby	27.958 ^a	2.648	22.673	33.244
	Tim	30.249 ^a	1.983	26.291	34.207
AvAttention	i* 1.0 Modify	.712 ^a	.057	.599	.825
	Tim	.681 ^a	.042	.597	.766
iStar 2.0 Modify	Abby	.627 ^a	.044	.539	.715
	Tim	.689 ^a	.033	.623	.755
AvMentWL	i* 1.0 Modify	.602 ^a	.059	.484	.720
	Tim	.675 ^a	.044	.587	.764
iStar 2.0 Modify	Abby	.629 ^a	.046	.537	.722
	Tim	.674 ^a	.035	.604	.743
AvFam	i* 1.0 Modify	.457 ^a	.053	.351	.563
	Tim	.585 ^a	.040	.505	.664
iStar 2.0 Modify	Abby	.360 ^a	.042	.277	.443
	Tim	.390 ^a	.031	.328	.452
AvSCL	i* 1.0 Modify	655.506 ^a	46.651	562.390	748.621
	Tim	632.282 ^a	34.893	562.636	701.928
iStar 2.0 Modify	Abby	799.517 ^a	36.427	726.807	872.226
	Tim	776.933 ^a	27.277	722.489	831.378
HRVar_RMSSD	i* 1.0 Modify	20.012 ^a	6.104	7.828	32.195
	Tim	43.482 ^a	4.565	34.370	52.595
iStar 2.0 Modify	Abby	39.428 ^a	4.766	29.914	48.941
	Tim	40.761 ^a	3.569	33.638	47.885
HRVar_NN50	i* 1.0 Modify	9.201 ^a	6.458	-3.689	22.092
	Tim	26.525 ^a	4.830	16.884	36.167
iStar 2.0 Modify	Abby	24.947 ^a	5.043	14.881	35.012
	Tim	27.255 ^a	3.776	19.718	34.793
NASA_MD	i* 1.0 Modify	81.278 ^a	4.838	71.621	90.934
	Tim	79.018 ^a	3.619	71.795	86.240
iStar 2.0 Modify	Abby	71.625 ^a	3.778	64.085	79.165
	Tim	76.238 ^a	2.829	70.592	81.884
NASA_PD	i* 1.0 Modify	20.056 ^a	5.991	8.097	32.014
	Tim	35.000 ^a	4.481	26.056	43.944
iStar 2.0 Modify	Abby	27.208 ^a	4.678	17.871	36.546
	Tim	26.726 ^a	3.503	19.734	33.718
NASA_TD	i* 1.0 Modify	53.194 ^a	7.489	38.247	68.142
	Tim	37.768 ^a	5.601	26.588	48.948

	iStar 2.0 Modify	Abby	49.062 ^a	5.847	37.391	60.734
		Tim	49.530 ^a	4.379	40.790	58.269
NASA_Performance	i* 1.0 Modify	Abby	45.361 ^a	9.005	27.387	63.336
		Tim	30.268 ^a	6.735	16.824	43.712
	iStar 2.0 Modify	Abby	58.729 ^a	7.032	44.694	72.765
		Tim	51.042 ^a	5.265	40.532	61.551
NASA_Effort	i* 1.0 Modify	Abby	68.417 ^a	5.192	58.054	78.779
		Tim	72.768 ^a	3.883	65.017	80.519
	iStar 2.0 Modify	Abby	64.562 ^a	4.054	56.471	72.654
		Tim	70.518 ^a	3.036	64.459	76.577
NASA_Frustration	i* 1.0 Modify	Abby	67.111 ^a	8.154	50.836	83.386
		Tim	50.357 ^a	6.099	38.184	62.530
	iStar 2.0 Modify	Abby	66.813 ^a	6.367	54.104	79.521
		Tim	61.173 ^a	4.768	51.657	70.689
NASA_Score	i* 1.0 Modify	Abby	55.903 ^a	5.480	44.964	66.841
		Tim	50.863 ^a	4.099	42.682	59.045
	iStar 2.0 Modify	Abby	65.011 ^a	4.279	56.470	73.552
		Tim	63.784 ^a	3.204	57.388	70.180

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag information processing facet, modification task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	32.419	1	68.433	.000
Recall	Welch	2.925	1	51.769	.093
FMeasure	Welch	14.152	1	51.085	.000
Duration	Welch	4.832	1	58.734	.032
FirstActDet	Welch	15.779	1	50.648	.000
LastActDet	Welch	18.786	1	51.248	.000
ProcDur	Welch	38.101	1	72.257	.000
FixRel	Welch	2.783	1	59.222	.101
FixIrrel	Welch	29.999	1	80.686	.000
AvDurRelFix	Welch	7.466	1	45.909	.009
AvDurIrrelFix	Welch	.890	1	71.510	.349
TotSac	Welch	7.333	1	70.603	.008
Sac2Key	Welch	6.834	1	64.750	.011
AvAttention	Welch	36.308	1	55.291	.000
AvMentWL	Welch	14.085	1	66.011	.000
AvFam	Welch	17.831	1	63.033	.000
AvSCL	Welch	1.686	1	61.603	.199
HRVar_RMSSD	Welch	4.736	1	78.097	.033
HRVar_NN50	Welch	3.532	1	69.298	.064
NASA_MD	Welch	5.472	1	82.657	.022
NASA_PD	Welch	21.444	1	56.741	.000
NASA_TD	Welch	.684	1	85.496	.410
NASA_Performance	Welch	.628	1	75.770	.430
NASA_Effort	Welch	3.731	1	87.498	.057
NASA_Frustration	Welch	2.244	1	53.462	.140
NASA_Score	Welch	2.260	1	85.712	.136

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	1.207	1	1.207	29.872	.000
	Within Groups	3.555	88	.040		
	Total	4.762	89			
Recall	Between Groups	.229	1	.229	3.301	.073
	Within Groups	6.096	88	.069		
	Total	6.325	89			
FMeasure	Between Groups	.588	1	.588	16.138	.000
	Within Groups	3.208	88	.036		
	Total	3.796	89			
Duration	Between Groups	1267529.120	1	1267529.120	4.970	.028
	Within Groups	22441050.880	88	255011.942		
	Total	23708580.000	89			
FirstActDet	Between Groups	1225532.010	1	1225532.010	18.112	.000
	Within Groups	5954484.979	88	67664.602		
	Total	7180016.989	89			
LastActDet	Between Groups	4743452.096	1	4743452.096	21.370	.000
	Within Groups	19533074.126	88	221966.751		
	Total	24276526.222	89			
ProcDur	Between Groups	1106916.102	1	1106916.102	21.812	.000
	Within Groups	4465775.453	88	50747.448		
	Total	5572691.556	89			
FixRel	Between Groups	8.737	1	8.737	2.845	.095
	Within Groups	270.232	88	3.071		
	Total	278.969	89			
FixIrrel	Between Groups	250.385	1	250.385	18.322	.000
	Within Groups	1202.571	88	13.666		
	Total	1452.956	89			
AvDurRelFix	Between Groups	632537.399	1	632537.399	9.263	.003
	Within Groups	6009099.577	88	68285.222		
	Total	6641636.977	89			
AvDurlrelFix	Between Groups	103927.419	1	103927.419	.794	.375
	Within Groups	11525536.602	88	130972.007		
	Total	11629464.021	89			
TotSac	Between Groups	3667.962	1	3667.962	6.603	.012
	Within Groups	48884.660	88	555.508		
	Total	52552.622	89			
Sac2Key	Between Groups	5569.636	1	5569.636	6.554	.012
	Within Groups	74782.464	88	849.801		
	Total	80352.100	89			
AvAttention	Between Groups	1.089	1	1.089	39.024	.000
	Within Groups	2.456	88	.028		
	Total	3.545	89			
AvMentWL	Between Groups	.408	1	.408	13.323	.000
	Within Groups	2.696	88	.031		
	Total	3.104	89			
AvFam	Between Groups	.437	1	.437	17.435	.000
	Within Groups	2.207	88	.025		
	Total	2.645	89			
AvSCL	Between Groups	34667.358	1	34667.358	1.676	.199

	Within Groups	1820241.931	88	20684.567		
	Total	1854909.289	89			
HRVar_RMSSD	Between Groups	1667.546	1	1667.546	3.936	.050
	Within Groups	37285.585	88	423.700		
	Total	38953.132	89			
HRVar_NN50	Between Groups	1222.714	1	1222.714	3.225	.076
	Within Groups	33366.767	88	379.168		
	Total	34589.481	89			
NASA_MD	Between Groups	715.819	1	715.819	3.406	.068
	Within Groups	18492.236	88	210.139		
	Total	19208.056	89			
NASA_PD	Between Groups	9420.961	1	9420.961	22.616	.000
	Within Groups	36657.928	88	416.567		
	Total	46078.889	89			
NASA_TD	Between Groups	298.950	1	298.950	.516	.474
	Within Groups	50962.438	88	579.119		
	Total	51261.389	89			
NASA_Performance	Between Groups	439.433	1	439.433	.535	.466
	Within Groups	72213.067	88	820.603		
	Total	72652.500	89			
NASA_Effort	Between Groups	670.403	1	670.403	2.687	.105
	Within Groups	21954.319	88	249.481		
	Total	22624.722	89			
NASA_Frustration	Between Groups	1474.615	1	1474.615	2.473	.119
	Within Groups	52470.940	88	596.261		
	Total	53945.556	89			
NASA_Score	Between Groups	496.145	1	496.145	1.698	.196
	Within Groups	25708.553	88	292.143		
	Total	26204.698	89			

Task * InformationProcessing - i* concrete syntaxes, GenderMag information processing facet, modification task

Dependent Variable	Task	InformationProcessing	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Modify	Abby	.591 ^a	.048	.495	.687
		Tim	.320 ^a	.043	.234	.407
	iStar 2.0 Modify	Abby	.668 ^a	.030	.608	.728
		Tim	.390 ^a	.050	.291	.490
Recall	i* 1.0 Modify	Abby	.590 ^a	.082	.427	.754
		Tim	.474 ^a	.074	.326	.623
	iStar 2.0 Modify	Abby	.697 ^a	.051	.595	.800
		Tim	.604 ^a	.085	.434	.774
FMeasure	i* 1.0 Modify	Abby	.543 ^a	.056	.432	.654
		Tim	.366 ^a	.051	.265	.467
	iStar 2.0 Modify	Abby	.637 ^a	.035	.567	.707
		Tim	.453 ^a	.058	.337	.569
Duration	i* 1.0 Modify	Abby	1125.650 ^a	106.930	912.216	1339.084
		Tim	1248.557 ^a	96.851	1055.240	1441.873
	iStar 2.0 Modify	Abby	1343.906 ^a	66.948	1210.278	1477.535
		Tim	1850.643 ^a	111.079	1628.929	2072.357
FirstActDet	i* 1.0 Modify	Abby	557.903 ^a	28.821	500.377	615.429
		Tim	700.150 ^a	26.104	648.046	752.254
	iStar 2.0 Modify	Abby	169.933 ^a	18.044	133.917	205.950
		Tim	252.321 ^a	29.939	192.564	312.079
LastActDet	i* 1.0 Modify	Abby	1096.325 ^a	88.986	918.709	1273.941
		Tim	1215.793 ^a	80.598	1054.919	1376.668
	iStar 2.0 Modify	Abby	899.404 ^a	55.713	788.201	1010.608
		Tim	1786.018 ^a	92.438	1601.512	1970.524
ProcDur	i* 1.0 Modify	Abby	29.325 ^a	49.889	-70.255	128.905
		Tim	32.763 ^a	45.187	-57.430	122.957
	iStar 2.0 Modify	Abby	444.502 ^a	31.235	382.156	506.848
		Tim	64.625 ^a	51.825	-38.818	168.068
FixRel	i* 1.0 Modify	Abby	5.146 ^a	.203	4.741	5.551
		Tim	4.802 ^a	.184	4.435	5.169
	iStar 2.0 Modify	Abby	1.702 ^a	.127	1.449	1.956
		Tim	1.334 ^a	.211	.914	1.755
FixIrrel	i* 1.0 Modify	Abby	7.354 ^a	1.004	5.351	9.357
		Tim	3.227 ^a	.909	1.413	5.041
	iStar 2.0 Modify	Abby	4.813 ^a	.628	3.559	6.067
		Tim	.253 ^a	1.042	-1.828	2.334
AvDurRelFix	i* 1.0 Modify	Abby	339.663 ^a	69.798	200.344	478.981
		Tim	370.389 ^a	63.219	244.203	496.576
	iStar 2.0 Modify	Abby	433.785 ^a	43.700	346.559	521.011
		Tim	855.216 ^a	72.506	710.493	999.938

AvDurlrelFix	i* 1.0	Abby	666.988 ^a	101.556	464.281	869.694
	Modify	Tim	759.168 ^a	91.984	575.567	942.768
	iStar 2.0	Abby	729.249 ^a	63.583	602.337	856.162
		Tim	362.974 ^a	105.496	152.403	573.544
TotSac	i* 1.0 Modify	Abby	104.806 ^a	3.522	97.777	111.836
		Tim	105.197 ^a	3.190	98.830	111.564
	iStar 2.0 Modify	Abby	61.081 ^a	2.205	56.680	65.482
		Tim	63.321 ^a	3.658	56.019	70.624
Sac2Key	i* 1.0 Modify	Abby	88.062 ^a	2.938	82.199	93.926
		Tim	88.563 ^a	2.661	83.252	93.874
	iStar 2.0 Modify	Abby	29.148 ^a	1.839	25.477	32.819
		Tim	30.071 ^a	3.052	23.980	36.163
AvAttention	i* 1.0 Modify	Abby	.779 ^a	.049	.681	.877
		Tim	.561 ^a	.044	.472	.650
	iStar 2.0 Modify	Abby	.712 ^a	.031	.651	.774
		Tim	.473 ^a	.051	.372	.575
AvMentWL	i* 1.0 Modify	Abby	.640 ^a	.051	.537	.742
		Tim	.645 ^a	.046	.552	.737
	iStar 2.0 Modify	Abby	.680 ^a	.032	.615	.744
		Tim	.561 ^a	.053	.454	.667
AvFam	i* 1.0 Modify	Abby	.478 ^a	.046	.386	.570
		Tim	.603 ^a	.042	.519	.686
	iStar 2.0 Modify	Abby	.360 ^a	.029	.302	.417
		Tim	.452 ^a	.048	.356	.547
AvSCL	i* 1.0 Modify	Abby	649.791 ^a	40.410	569.131	730.450
		Tim	632.137 ^a	36.601	559.080	705.193
	iStar 2.0 Modify	Abby	790.396 ^a	25.300	739.896	840.896
		Tim	768.250 ^a	41.978	684.462	852.038
HRVar_RMSSD	i* 1.0 Modify	Abby	34.888 ^a	5.287	24.334	45.441
		Tim	29.069 ^a	4.789	19.510	38.628
	iStar 2.0 Modify	Abby	40.120 ^a	3.310	33.512	46.727
		Tim	40.660 ^a	5.493	29.697	51.623
HRVar_NN50	i* 1.0 Modify	Abby	20.632 ^a	5.594	9.465	31.798
		Tim	15.167 ^a	5.067	5.053	25.281
	iStar 2.0 Modify	Abby	26.860 ^a	3.503	19.869	33.851
		Tim	24.220 ^a	5.811	12.621	35.820
NASA_MD	i* 1.0 Modify	Abby	83.328 ^a	4.191	74.963	91.693
		Tim	74.833 ^a	3.796	67.257	82.410
	iStar 2.0 Modify	Abby	75.000 ^a	2.624	69.763	80.237
		Tim	71.964 ^a	4.353	63.275	80.654
NASA_PD	i* 1.0 Modify	Abby	16.656 ^a	5.190	6.298	27.015
		Tim	46.417 ^a	4.701	37.034	55.799
	iStar 2.0 Modify	Abby	23.917 ^a	3.249	17.431	30.402
		Tim	38.929 ^a	5.391	28.168	49.689
NASA_TD	i* 1.0 Modify	Abby	45.859 ^a	6.487	32.912	58.807

	Tim	43.333 ^a	5.875	31.606	55.061
NASA_Performance	iStar 2.0 Modify	Abby	51.969 ^a	4.061	43.862
		Tim	38.839 ^a	6.738	25.389
NASA_Effort	i* 1.0 Modify	Abby	37.016 ^a	7.801	21.446
		Tim	37.583 ^a	7.065	23.481
NASA_Frustration	iStar 2.0 Modify	Abby	56.240 ^a	4.884	46.491
		Tim	45.625 ^a	8.103	29.451
NASA_Score	i* 1.0 Modify	Abby	73.266 ^a	4.497	64.289
		Tim	66.750 ^a	4.073	58.620
NASA_Frustration	iStar 2.0 Modify	Abby	68.719 ^a	2.816	63.099
		Tim	65.804 ^a	4.672	56.479
NASA_Score	i* 1.0 Modify	Abby	60.281 ^a	7.063	46.183
		Tim	54.583 ^a	6.397	41.814
NASA_Effort	iStar 2.0 Modify	Abby	67.344 ^a	4.422	58.517
		Tim	47.768 ^a	7.337	33.123
NASA_Score	i* 1.0 Modify	Abby	52.734 ^a	4.747	43.259
		Tim	53.917 ^a	4.300	45.334
NASA_Performance	iStar 2.0 Modify	Abby	66.022 ^a	2.972	60.090
		Tim	57.286 ^a	4.931	47.443

a. Based on modified population marginal mean.

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

		Statistic ^a	df1	df2	Sig.
Precision	Welch	3.301	1	75.270	.073
Recall	Welch	.104	1	64.732	.748
FMeasure	Welch	.324	1	66.756	.571
Duration	Welch	10.165	1	60.944	.002
FirstActDet	Welch	.952	1	62.659	.333
LastActDet	Welch	18.521	1	54.281	.000
ProcDur	Welch	6.208	1	85.943	.015
FixRel	Welch	.260	1	63.290	.612
FixIrrel	Welch	20.037	1	81.899	.000
AvDurRelFix	Welch	11.669	1	51.769	.001
AvDurIrrelFix	Welch	.530	1	69.594	.469
TotSac	Welch	.699	1	80.491	.406
Sac2Key	Welch	.074	1	70.780	.786
AvAttention	Welch	8.433	1	64.524	.005
AvMentWL	Welch	12.579	1	73.882	.001
AvFam	Welch	1.048	1	66.235	.310
AvSCL	Welch	1.006	1	55.187	.320
HRVar_RMSSD	Welch	2.075	1	76.062	.154
HRVar_NN50	Welch	.340	1	70.001	.561
NASA_MD	Welch	5.136	1	87.615	.026
NASA_PD	Welch	4.476	1	66.611	.038
NASA_TD	Welch	.004	1	84.342	.948
NASA_Performance	Welch	.088	1	76.383	.768
NASA_Effort	Welch	2.725	1	84.262	.103
NASA_Frustration	Welch	.772	1	63.638	.383
NASA_Score	Welch	.841	1	86.029	.362

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.164	1	.164	3.142	.080
	Within Groups	4.598	88	.052		
	Total	4.762	89			
Recall	Between Groups	.008	1	.008	.109	.742
	Within Groups	6.317	88	.072		
	Total	6.325	89			
FMeasure	Between Groups	.014	1	.014	.333	.565
	Within Groups	3.782	88	.043		
	Total	3.796	89			
Duration	Between Groups	2642828.908	1	2642828.908	11.040	.001
	Within Groups	21065751.092	88	239383.535		
	Total	23708580.000	89			
FirstActDet	Between Groups	82009.536	1	82009.536	1.017	.316
	Within Groups	7098007.453	88	80659.176		
	Total	7180016.989	89			
LastActDet	Between Groups	4778923.924	1	4778923.924	21.569	.000
	Within Groups	19497602.298	88	221563.662		
	Total	24276526.222	89			
ProcDur	Between Groups	314044.820	1	314044.820	5.255	.024
	Within Groups	5258646.735	88	59757.349		
	Total	5572691.556	89			
FixRel	Between Groups	.873	1	.873	.276	.601
	Within Groups	278.097	88	3.160		
	Total	278.969	89			
FixIrrel	Between Groups	203.380	1	203.380	14.323	.000
	Within Groups	1249.576	88	14.200		
	Total	1452.956	89			
AvDurRelFix	Between Groups	911050.562	1	911050.562	13.990	.000
	Within Groups	5730586.415	88	65120.300		
	Total	6641636.977	89			
AvDurIrrelFix	Between Groups	69700.487	1	69700.487	.531	.468
	Within Groups	11559763.534	88	131360.949		
	Total	11629464.021	89			
TotSac	Between Groups	375.165	1	375.165	.633	.428
	Within Groups	52177.457	88	592.926		
	Total	52552.622	89			
Sac2Key	Between Groups	67.302	1	67.302	.074	.787
	Within Groups	80284.798	88	912.327		
	Total	80352.100	89			
AvAttention	Between Groups	.324	1	.324	8.850	.004
	Within Groups	3.221	88	.037		
	Total	3.545	89			
AvMentWL	Between Groups	.376	1	.376	12.125	.001
	Within Groups	2.728	88	.031		
	Total	3.104	89			
AvFam	Between Groups	.032	1	.032	1.082	.301
	Within Groups	2.612	88	.030		
	Total	2.645	89			
AvSCL	Between Groups	24126.008	1	24126.008	1.160	.284
	Within Groups	1830783.280	88	20804.355		

	Total	1854909.289	89			
HRVar_RMSSD	Between Groups	849.006	1	849.006	1.961	.165
	Within Groups	38104.125	88	433.001		
	Total	38953.132	89			
HRVar_NN50	Between Groups	133.047	1	133.047	.340	.561
	Within Groups	34456.435	88	391.550		
	Total	34589.481	89			
NASA_MD	Between Groups	829.169	1	829.169	3.970	.049
	Within Groups	18378.887	88	208.851		
	Total	19208.056	89			
NASA_PD	Between Groups	2292.439	1	2292.439	4.607	.035
	Within Groups	43786.450	88	497.573		
	Total	46078.889	89			
NASA_TD	Between Groups	2.171	1	2.171	.004	.951
	Within Groups	51259.217	88	582.491		
	Total	51261.389	89			
NASA_Performance	Between Groups	68.256	1	68.256	.083	.774
	Within Groups	72584.244	88	824.821		
	Total	72652.500	89			
NASA_Effort	Between Groups	591.765	1	591.765	2.364	.128
	Within Groups	22032.957	88	250.375		
	Total	22624.722	89			
NASA_Frustration	Between Groups	496.081	1	496.081	.817	.369
	Within Groups	53449.475	88	607.380		
	Total	53945.556	89			
NASA_Score	Between Groups	209.991	1	209.991	.711	.401
	Within Groups	25994.707	88	295.394		
	Total	26204.698	89			

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

Dependent Variable	Task	SelfEfficacy	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Modify	Abby	.513 ^a	.044	.425	.601
		Tim	.464 ^a	.050	.364	.565
	iStar 2.0 Modify	Abby	.676 ^a	.031	.614	.738
		Tim	.548 ^a	.042	.465	.632
Recall	i* 1.0 Modify	Abby	.472 ^a	.075	.321	.623
		Tim	.609 ^a	.086	.437	.781
	iStar 2.0 Modify	Abby	.689 ^a	.053	.583	.795
		Tim	.668 ^a	.071	.526	.811
FMeasure	i* 1.0 Modify	Abby	.423 ^a	.051	.320	.525
		Tim	.520 ^a	.059	.403	.637
	iStar 2.0 Modify	Abby	.648 ^a	.036	.576	.720
		Tim	.552 ^a	.049	.455	.649
Duration	i* 1.0 Modify	Abby	1127.442 ^a	98.406	931.022	1323.861
		Tim	1211.905 ^a	112.274	987.804	1436.005
	iStar 2.0 Modify	Abby	1201.250 ^a	69.093	1063.340	1339.160
		Tim	1689.257 ^a	93.136	1503.357	1875.157
FirstActDet	i* 1.0 Modify	Abby	574.329 ^a	26.523	521.389	627.270
		Tim	645.429 ^a	30.261	585.027	705.830
	iStar 2.0 Modify	Abby	207.760 ^a	18.622	170.589	244.931
		Tim	165.062 ^a	25.103	114.957	215.167
LastActDet	i* 1.0 Modify	Abby	1095.650 ^a	81.892	932.193	1259.107
		Tim	1182.238 ^a	93.433	995.746	1368.730
	iStar 2.0 Modify	Abby	751.080 ^a	57.498	636.313	865.847
		Tim	1402.374 ^a	77.506	1247.671	1557.077
ProcDur	i* 1.0 Modify	Abby	31.792 ^a	45.912	-59.850	123.433
		Tim	29.667 ^a	52.383	-74.890	134.223
	iStar 2.0 Modify	Abby	450.170 ^a	32.236	385.826	514.514
		Tim	286.883 ^a	43.454	200.150	373.617
FixRel	i* 1.0 Modify	Abby	4.830 ^a	.187	4.457	5.202
		Tim	5.172 ^a	.213	4.747	5.597
	iStar 2.0 Modify	Abby	1.596 ^a	.131	1.334	1.858
		Tim	1.662 ^a	.177	1.309	2.014
FixIrrel	i* 1.0 Modify	Abby	7.996 ^a	.924	6.153	9.840
		Tim	3.855 ^a	1.054	1.752	5.958
	iStar 2.0 Modify	Abby	5.478 ^a	.648	4.183	6.772
		Tim	2.324 ^a	.874	.579	4.069
AvDurRelFix	i* 1.0 Modify	Abby	340.110 ^a	64.234	211.898	468.323
		Tim	361.226 ^a	73.287	214.946	507.507
	iStar 2.0 Modify	Abby	384.513 ^a	45.100	294.493	474.534
		Tim	651.629 ^a	60.794	530.284	772.975
AvDurlIrrelFix	i* 1.0 Modify	Abby	668.331 ^a	93.460	481.783	854.879

		Tim	731.679 ^a	106.631	518.841	944.516
TotSac	iStar 2.0	Abby	718.361 ^a	65.621	587.382	849.340
	Modify	Tim	593.627 ^a	88.455	417.070	770.184
TotSac	i* 1.0	Abby	104.017 ^a	3.241	97.547	110.486
	Modify	Tim	105.762 ^a	3.698	98.381	113.143
Sac2Key	iStar 2.0	Abby	58.830 ^a	2.276	54.288	63.372
	Modify	Tim	64.229 ^a	3.068	58.106	70.351
Sac2Key	i* 1.0	Abby	86.358 ^a	2.704	80.962	91.755
	Modify	Tim	89.881 ^a	3.085	83.724	96.038
AvAttention	iStar 2.0	Abby	30.070 ^a	1.898	26.281	33.859
	Modify	Tim	28.595 ^a	2.559	23.488	33.702
AvAttention	i* 1.0	Abby	.698 ^a	.045	.608	.788
	Modify	Tim	.693 ^a	.051	.590	.796
AvAttention	iStar 2.0	Abby	.753 ^a	.032	.690	.816
	Modify	Tim	.576 ^a	.043	.491	.661
AvMentWL	i* 1.0	Abby	.639 ^a	.047	.544	.733
	Modify	Tim	.644 ^a	.054	.536	.752
AvMentWL	iStar 2.0	Abby	.754 ^a	.033	.688	.820
	Modify	Tim	.558 ^a	.045	.468	.647
AvFam	i* 1.0	Abby	.505 ^a	.042	.420	.589
	Modify	Tim	.544 ^a	.048	.447	.641
AvFam	iStar 2.0	Abby	.402 ^a	.030	.343	.461
	Modify	Tim	.354 ^a	.040	.274	.434
AvSCL	i* 1.0	Abby	679.613 ^a	37.189	605.383	753.842
	Modify	Tim	611.619 ^a	42.430	526.929	696.309
AvSCL	iStar 2.0	Abby	782.300 ^a	26.111	730.182	834.418
	Modify	Tim	789.633 ^a	35.197	719.379	859.887
HRVar_RMSSD	i* 1.0	Abby	32.059 ^a	4.866	22.346	41.771
	Modify	Tim	33.156 ^a	5.552	22.075	44.237
HRVar_RMSSD	iStar 2.0	Abby	41.152 ^a	3.416	34.332	47.971
	Modify	Tim	39.304 ^a	4.605	30.112	48.496
HRVar_NN50	i* 1.0	Abby	19.349 ^a	5.148	9.073	29.625
	Modify	Tim	17.827 ^a	5.874	6.103	29.552
HRVar_NN50	iStar 2.0	Abby	22.584 ^a	3.615	15.369	29.799
	Modify	Tim	30.080 ^a	4.873	20.354	39.806
NASA_MD	i* 1.0	Abby	84.021 ^a	3.857	76.323	91.719
	Modify	Tim	76.667 ^a	4.400	67.884	85.450
NASA_MD	iStar 2.0	Abby	77.000 ^a	2.708	71.595	82.405
	Modify	Tim	71.786 ^a	3.650	64.500	79.071
NASA_PD	i* 1.0	Abby	22.000 ^a	4.776	12.467	31.533
	Modify	Tim	33.333 ^a	5.449	22.457	44.210
NASA_PD	iStar 2.0	Abby	27.100 ^a	3.353	20.407	33.793
	Modify	Tim	26.738 ^a	4.520	17.716	35.761
NASA_TD	i* 1.0	Abby	45.729 ^a	5.970	33.814	57.645
	Modify	Tim	44.167 ^a	6.811	30.572	57.762

	iStar 2.0 Modify	Abby	51.150 ^a	4.191	42.784	59.516
		Tim	47.536 ^a	5.650	36.258	58.813
NASA_Performance	i* 1.0 Modify	Abby	35.396 ^a	7.179	21.067	49.725
		Tim	38.810 ^a	8.190	22.461	55.158
	iStar 2.0 Modify	Abby	60.150 ^a	5.040	50.089	70.211
		Tim	48.083 ^a	6.794	34.522	61.645
NASA_Effort	i* 1.0 Modify	Abby	73.729 ^a	4.139	65.468	81.990
		Tim	68.214 ^a	4.722	58.789	77.639
	iStar 2.0 Modify	Abby	70.450 ^a	2.906	64.650	76.250
		Tim	65.821 ^a	3.917	58.003	73.640
NASA_Frustration	i* 1.0 Modify	Abby	59.750 ^a	6.500	46.776	72.724
		Tim	56.667 ^a	7.416	41.864	71.469
	iStar 2.0 Modify	Abby	67.250 ^a	4.564	58.141	76.359
		Tim	59.607 ^a	6.152	47.328	71.886
NASA_Score	i* 1.0 Modify	Abby	53.438 ^a	4.369	44.718	62.157
		Tim	52.976 ^a	4.984	43.027	62.925
	iStar 2.0 Modify	Abby	68.280 ^a	3.067	62.158	74.402
		Tim	60.270 ^a	4.135	52.017	68.523

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag risk facet, modification task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	9.038	1	55.795	.004
Recall	Welch	1.828	1	79.628	.180
FMeasure	Welch	.821	1	63.547	.368
Duration	Welch	3.948	1	56.320	.052
FirstActDet	Welch	19.760	1	66.997	.000
LastActDet	Welch	8.068	1	55.602	.006
ProcDur	Welch	3.567	1	83.828	.062
FixRel	Welch	3.814	1	77.705	.054
FixIrrel	Welch	.771	1	60.686	.383
AvDurRelFix	Welch	1.338	1	59.189	.252
AvDurIrrelFix	Welch	.276	1	87.466	.600
TotSac	Welch	3.479	1	80.107	.066
Sac2Key	Welch	4.675	1	78.135	.034
AvAttention	Welch	1.048	1	72.183	.309
AvMentWL	Welch	2.751	1	83.022	.101
AvFam	Welch	11.137	1	76.666	.001
AvSCL	Welch	.162	1	78.099	.689
HRVar_RMSSD	Welch	37.070	1	85.058	.000
HRVar_NN50	Welch	16.000	1	86.630	.000
NASA_MD	Welch	.094	1	63.558	.760
NASA_PD	Welch	21.163	1	55.789	.000
NASA_TD	Welch	22.181	1	60.391	.000
NASA_Performance	Welch	12.920	1	75.310	.001
NASA_Effort	Welch	1.813	1	68.042	.183
NASA_Frustration	Welch	14.825	1	76.532	.000
NASA_Score	Welch	7.869	1	63.205	.007

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.510	1	.510	10.546	.002
	Within Groups	4.252	88	.048		
	Total	4.762	89			
Recall	Between Groups	.124	1	.124	1.764	.188
	Within Groups	6.201	88	.070		
	Total	6.325	89			
FMeasure	Between Groups	.038	1	.038	.898	.346
	Within Groups	3.758	88	.043		
	Total	3.796	89			
Duration	Between Groups	1174134.074	1	1174134.074	4.585	.035
	Within Groups	22534445.926	88	256073.249		
	Total	23708580.000	89			
FirstActDet	Between Groups	1385024.267	1	1385024.267	21.032	.000
	Within Groups	5794992.722	88	65852.190		
	Total	7180016.989	89			
LastActDet	Between Groups	2349600.741	1	2349600.741	9.430	.003
	Within Groups	21926925.481	88	249169.608		
	Total	24276526.222	89			
ProcDur	Between Groups	201840.000	1	201840.000	3.307	.072
	Within Groups	5370851.556	88	61032.404		
	Total	5572691.556	89			
FixRel	Between Groups	11.366	1	11.366	3.738	.056
	Within Groups	267.603	88	3.041		
	Total	278.969	89			
FixIrrel	Between Groups	14.109	1	14.109	.863	.355
	Within Groups	1438.847	88	16.351		
	Total	1452.956	89			
AvDurRelFix	Between Groups	112481.922	1	112481.922	1.516	.222
	Within Groups	6529155.055	88	74194.944		
	Total	6641636.977	89			
AvDurIrrelFix	Between Groups	32001.124	1	32001.124	.243	.623
	Within Groups	11597462.897	88	131789.351		
	Total	11629464.021	89			
TotSac	Between Groups	1922.891	1	1922.891	3.342	.071
	Within Groups	50629.731	88	575.338		
	Total	52552.622	89			
Sac2Key	Between Groups	3963.646	1	3963.646	4.566	.035
	Within Groups	76388.454	88	868.051		
	Total	80352.100	89			
AvAttention	Between Groups	.043	1	.043	1.072	.303
	Within Groups	3.502	88	.040		
	Total	3.545	89			
AvMentWL	Between Groups	.088	1	.088	2.573	.112
	Within Groups	3.016	88	.034		
	Total	3.104	89			
AvFam	Between Groups	.294	1	.294	11.007	.001
	Within Groups	2.351	88	.027		
	Total	2.645	89			
AvSCL	Between Groups	3320.224	1	3320.224	.158	.692
	Within Groups	1851589.065	88	21040.785		

	Total	1854909.289	89			
HRVar_RMSSD	Between Groups	9834.949	1	9834.949	29.723	.000
	Within Groups	29118.183	88	330.888		
	Total	38953.132	89			
HRVar_NN50	Between Groups	4836.173	1	4836.173	14.304	.000
	Within Groups	29753.309	88	338.106		
	Total	34589.481	89			
NASA_MD	Between Groups	22.407	1	22.407	.103	.749
	Within Groups	19185.648	88	218.019		
	Total	19208.056	89			
NASA_PD	Between Groups	10096.713	1	10096.713	24.693	.000
	Within Groups	35982.176	88	408.888		
	Total	46078.889	89			
NASA_TD	Between Groups	11297.963	1	11297.963	24.878	.000
	Within Groups	39963.426	88	454.130		
	Total	51261.389	89			
NASA_Performance	Between Groups	9291.852	1	9291.852	12.905	.001
	Within Groups	63360.648	88	720.007		
	Total	72652.500	89			
NASA_Effort	Between Groups	481.667	1	481.667	1.914	.170
	Within Groups	22143.056	88	251.626		
	Total	22624.722	89			
NASA_Frustration	Between Groups	7706.667	1	7706.667	14.667	.000
	Within Groups	46238.889	88	525.442		
	Total	53945.556	89			
NASA_Score	Between Groups	2339.585	1	2339.585	8.627	.004
	Within Groups	23865.113	88	271.194		
	Total	26204.698	89			

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

Dependent Variable	Task	Risk	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Modify	Abby	.587 ^a	.044	.499	.676
		Tim	.401 ^a	.050	.301	.501
	iStar 2.0 Modify	Abby	.777 ^a	.044	.688	.866
		Tim	.502 ^a	.032	.439	.565
Recall	i* 1.0 Modify	Abby	.510 ^a	.076	.359	.662
		Tim	.576 ^a	.086	.405	.747
	iStar 2.0 Modify	Abby	.622 ^a	.076	.470	.774
		Tim	.717 ^a	.054	.609	.825
FMeasure	i* 1.0 Modify	Abby	.493 ^a	.052	.390	.596
		Tim	.460 ^a	.058	.343	.576
	iStar 2.0 Modify	Abby	.647 ^a	.052	.543	.750
		Tim	.569 ^a	.037	.496	.643
Duration	i* 1.0 Modify	Abby	1199.789 ^a	99.142	1001.900	1397.678
		Tim	1149.893 ^a	111.797	926.744	1373.042
	iStar 2.0 Modify	Abby	1554.937 ^a	99.069	1357.195	1752.680
		Tim	1372.131 ^a	70.547	1231.318	1512.944
FirstActDet	i* 1.0 Modify	Abby	657.100 ^a	26.722	603.764	710.436
		Tim	574.482 ^a	30.132	514.338	634.627
	iStar 2.0 Modify	Abby	248.437 ^a	26.702	195.141	301.734
		Tim	145.060 ^a	19.014	107.107	183.013
LastActDet	i* 1.0 Modify	Abby	1152.094 ^a	82.505	987.415	1316.774
		Tim	1133.857 ^a	93.036	948.157	1319.558
	iStar 2.0 Modify	Abby	1241.875 ^a	82.443	1077.317	1406.433
		Tim	966.628 ^a	58.708	849.446	1083.810
ProcDur	i* 1.0 Modify	Abby	47.694 ^a	46.256	-44.633	140.022
		Tim	16.036 ^a	52.160	-88.077	120.148
	iStar 2.0 Modify	Abby	313.063 ^a	46.222	220.804	405.321
		Tim	405.503 ^a	32.915	339.805	471.201
FixRel	i* 1.0 Modify	Abby	4.652 ^a	.188	4.276	5.027
		Tim	5.324 ^a	.212	4.901	5.748
	iStar 2.0 Modify	Abby	1.588 ^a	.188	1.212	1.963
		Tim	1.656 ^a	.134	1.389	1.924
FixIrrel	i* 1.0 Modify	Abby	6.934 ^a	.930	5.077	8.792
		Tim	4.765 ^a	1.049	2.671	6.860
	iStar 2.0 Modify	Abby	4.266 ^a	.930	2.410	6.122
		Tim	3.658 ^a	.662	2.336	4.979
AvDurRelFix	i* 1.0 Modify	Abby	358.197 ^a	64.715	229.026	487.369
		Tim	345.723 ^a	72.975	200.064	491.383
	iStar 2.0 Modify	Abby	605.549 ^a	64.667	476.473	734.625
		Tim	459.753 ^a	46.049	367.838	551.668
AvDurlIrrelFix	i* 1.0 Modify	Abby	722.592 ^a	94.160	534.648	910.535

		Tim	685.170 ^a	106.179	473.236	897.103
TotSac	iStar 2.0	Abby	578.426 ^a	94.090	390.622	766.230
	Modify	Tim	707.706 ^a	67.002	573.971	841.442
Sac2Key	i* 1.0	Abby	103.656 ^a	3.265	97.138	110.173
	Modify	Tim	106.071 ^a	3.682	98.722	113.421
	iStar 2.0	Abby	60.812 ^a	3.263	54.300	67.325
	Modify	Tim	62.007 ^a	2.324	57.369	66.645
AvAttention	i* 1.0	Abby	86.261 ^a	2.724	80.824	91.698
	Modify	Tim	89.964 ^a	3.071	83.834	96.095
	iStar 2.0	Abby	29.750 ^a	2.722	24.317	35.183
	Modify	Tim	29.054 ^a	1.938	25.186	32.923
AvMentWL	i* 1.0	Abby	.625 ^a	.045	.534	.716
	Modify	Tim	.755 ^a	.051	.653	.858
	iStar 2.0	Abby	.694 ^a	.045	.603	.784
	Modify	Tim	.645 ^a	.032	.580	.709
AvFam	i* 1.0	Abby	.588 ^a	.048	.493	.683
	Modify	Tim	.688 ^a	.054	.580	.795
	iStar 2.0	Abby	.662 ^a	.048	.568	.757
	Modify	Tim	.651 ^a	.034	.584	.719
AvSCL	i* 1.0	Abby	.566 ^a	.043	.481	.652
	Modify	Tim	.491 ^a	.048	.395	.587
	iStar 2.0	Abby	.412 ^a	.043	.327	.498
	Modify	Tim	.355 ^a	.030	.294	.416
HRVar_RMSSD	i* 1.0	Abby	675.189 ^a	37.467	600.404	749.974
	Modify	Tim	615.411 ^a	42.250	531.080	699.741
	iStar 2.0	Abby	787.125 ^a	37.439	712.396	861.854
	Modify	Tim	785.194 ^a	26.661	731.979	838.409
HRVar_NN50	i* 1.0	Abby	24.647 ^a	4.902	14.862	34.432
	Modify	Tim	39.509 ^a	5.528	28.475	50.543
	iStar 2.0	Abby	32.483 ^a	4.899	22.705	42.260
	Modify	Tim	45.391 ^a	3.488	38.429	52.354
NASA_MD	i* 1.0	Abby	12.875 ^a	5.187	2.522	23.228
	Modify	Tim	23.377 ^a	5.849	11.702	35.051
	iStar 2.0	Abby	18.472 ^a	5.183	8.127	28.818
	Modify	Tim	31.572 ^a	3.691	24.205	38.939
NASA_PD	i* 1.0	Abby	81.278 ^a	3.886	73.522	89.033
	Modify	Tim	79.018 ^a	4.382	70.272	87.763
	iStar 2.0	Abby	76.250 ^a	3.883	68.500	84.000
	Modify	Tim	73.155 ^a	2.765	67.636	78.673
NASA_TD	i* 1.0	Abby	35.889 ^a	4.812	26.285	45.493
	Modify	Tim	21.429 ^a	5.426	10.598	32.259
	iStar 2.0	Abby	34.375 ^a	4.808	24.778	43.972
	Modify	Tim	21.948 ^a	3.424	15.114	28.783

	iStar 2.0 Modify	Abby	63.125 ^a	6.010	51.129	75.121
		Tim	40.155 ^a	4.280	31.612	48.697
NASA_Performance	i* 1.0 Modify	Abby	52.861 ^a	7.232	38.425	67.297
		Tim	23.839 ^a	8.156	7.561	40.118
	iStar 2.0 Modify	Abby	73.438 ^a	7.227	59.012	87.863
		Tim	41.236 ^a	5.146	30.964	51.508
NASA_Effort	i* 1.0 Modify	Abby	70.917 ^a	4.170	62.594	79.239
		Tim	70.625 ^a	4.702	61.240	80.010
	iStar 2.0 Modify	Abby	67.812 ^a	4.167	59.496	76.129
		Tim	68.351 ^a	2.967	62.429	74.273
NASA_Frustration	i* 1.0 Modify	Abby	74.611 ^a	6.549	61.540	87.682
		Tim	43.929 ^a	7.385	29.189	58.668
	iStar 2.0 Modify	Abby	75.938 ^a	6.544	62.876	88.999
		Tim	55.089 ^a	4.660	45.788	64.390
NASA_Score	i* 1.0 Modify	Abby	63.125 ^a	4.401	54.340	71.910
		Tim	44.673 ^a	4.963	34.766	54.579
	iStar 2.0 Modify	Abby	74.167 ^a	4.398	65.388	82.945
		Tim	57.680 ^a	3.132	51.429	63.932

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag learning style facet, modification task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	.302	1	42.077	.586
Recall	Welch	.000	1	44.396	.990
FMeasure	Welch	.276	1	42.398	.602
Duration	Welch	14.042	1	30.855	.001
FirstActDet	Welch	14.347	1	72.591	.000
LastActDet	Welch	13.462	1	32.817	.001
ProcDur	Welch	.092	1	32.032	.763
FixRel	Welch	.367	1	42.894	.548
FixIrrel	Welch	2.361	1	49.179	.131
AvDurRelFix	Welch	2.140	1	30.212	.154
AvDurIrrelFix	Welch	4.322	1	40.230	.044
TotSac	Welch	.153	1	42.883	.698
Sac2Key	Welch	.593	1	46.172	.445
AvAttention	Welch	.293	1	40.604	.592
AvMentWL	Welch	4.256	1	60.510	.043
AvFam	Welch	1.713	1	50.243	.197
AvSCL	Welch	.001	1	43.899	.975
HRVar_RMSSD	Welch	3.985	1	49.472	.051
HRVar_NN50	Welch	4.212	1	48.948	.045
NASA_MD	Welch	.551	1	35.660	.463
NASA_PD	Welch	2.592	1	39.511	.115
NASA_TD	Welch	.636	1	40.428	.430
NASA_Performance	Welch	1.680	1	40.621	.202
NASA_Effort	Welch	.566	1	36.417	.457
NASA_Frustration	Welch	.197	1	37.611	.659
NASA_Score	Welch	.096	1	36.874	.758

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.017	1	.017	.313	.577
	Within Groups	4.745	88	.054		
	Total	4.762	89			
Recall	Between Groups	.000	1	.000	.000	.990
	Within Groups	6.325	88	.072		
	Total	6.325	89			
FMeasure	Between Groups	.012	1	.012	.284	.596
	Within Groups	3.784	88	.043		
	Total	3.796	89			
Duration	Between Groups	4677907.945	1	4677907.945	21.631	.000
	Within Groups	19030672.055	88	216257.637		
	Total	23708580.000	89			
FirstActDet	Between Groups	684397.543	1	684397.543	9.272	.003
	Within Groups	6495619.446	88	73813.857		
	Total	7180016.989	89			
LastActDet	Between Groups	4287901.607	1	4287901.607	18.878	.000
	Within Groups	19988624.615	88	227143.462		
	Total	24276526.222	89			
ProcDur	Between Groups	8486.516	1	8486.516	.134	.715
	Within Groups	5564205.040	88	63229.603		
	Total	5572691.556	89			
FixRel	Between Groups	1.177	1	1.177	.373	.543
	Within Groups	277.793	88	3.157		
	Total	278.969	89			
FixIrrel	Between Groups	33.982	1	33.982	2.107	.150
	Within Groups	1418.974	88	16.125		
	Total	1452.956	89			
AvDurRelFix	Between Groups	247994.735	1	247994.735	3.413	.068
	Within Groups	6393642.242	88	72655.025		
	Total	6641636.977	89			
AvDurIrrelFix	Between Groups	589574.561	1	589574.561	4.700	.033
	Within Groups	11039889.460	88	125453.289		
	Total	11629464.021	89			
TotSac	Between Groups	92.598	1	92.598	.155	.694
	Within Groups	52460.025	88	596.137		
	Total	52552.622	89			
Sac2Key	Between Groups	508.654	1	508.654	.561	.456
	Within Groups	79843.446	88	907.312		
	Total	80352.100	89			
AvAttention	Between Groups	.013	1	.013	.315	.576
	Within Groups	3.532	88	.040		
	Total	3.545	89			
AvMentWL	Between Groups	.109	1	.109	3.189	.078
	Within Groups	2.995	88	.034		
	Total	3.104	89			
AvFam	Between Groups	.044	1	.044	1.500	.224
	Within Groups	2.600	88	.030		
	Total	2.645	89			
AvSCL	Between Groups	20.464	1	20.464	.001	.975
	Within Groups	1854888.825	88	21078.282		

	Total	1854909.289	89			
HRVar_RMSSD	Between Groups	1505.252	1	1505.252	3.537	.063
	Within Groups	37447.880	88	425.544		
	Total	38953.132	89			
HRVar_NN50	Between Groups	1422.833	1	1422.833	3.775	.055
	Within Groups	33166.649	88	376.894		
	Total	34589.481	89			
NASA_MD	Between Groups	149.440	1	149.440	.690	.408
	Within Groups	19058.615	88	216.575		
	Total	19208.056	89			
NASA_PD	Between Groups	1457.504	1	1457.504	2.874	.094
	Within Groups	44621.385	88	507.061		
	Total	46078.889	89			
NASA_TD	Between Groups	397.543	1	397.543	.688	.409
	Within Groups	50863.846	88	577.998		
	Total	51261.389	89			
NASA_Performance	Between Groups	1462.500	1	1462.500	1.808	.182
	Within Groups	71190.000	88	808.977		
	Total	72652.500	89			
NASA_Effort	Between Groups	176.107	1	176.107	.690	.408
	Within Groups	22448.615	88	255.098		
	Total	22624.722	89			
NASA_Frustration	Between Groups	141.556	1	141.556	.232	.632
	Within Groups	53804.000	88	611.409		
	Total	53945.556	89			
NASA_Score	Between Groups	34.334	1	34.334	.115	.735
	Within Groups	26170.364	88	297.390		
	Total	26204.698	89			

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

Dependent Variable	Task	LearningStyle	Mean	95% Confidence Interval		
				Std. Error	Lower Bound	Upper Bound
Precision	i* 1.0 Modify	Abby	.472 ^a	.059	.355	.589
		Tim	.496 ^a	.041	.414	.578
	iStar 2.0 Modify	Abby	.612 ^a	.046	.520	.704
		Tim	.612 ^a	.032	.549	.675
Recall	i* 1.0 Modify	Abby	.532 ^a	.100	.332	.733
		Tim	.554 ^a	.070	.414	.694
	iStar 2.0 Modify	Abby	.684 ^a	.078	.528	.841
		Tim	.676 ^a	.054	.569	.784
FMeasure	i* 1.0 Modify	Abby	.426 ^a	.068	.289	.562
		Tim	.506 ^a	.048	.410	.601
	iStar 2.0 Modify	Abby	.611 ^a	.053	.504	.717
		Tim	.596 ^a	.037	.523	.669
Duration	i* 1.0 Modify	Abby	1288.717 ^a	131.031	1027.178	1550.256
		Tim	1100.550 ^a	91.605	917.705	1283.395
	iStar 2.0 Modify	Abby	1988.000 ^a	102.318	1783.772	2192.228
		Tim	1212.648 ^a	70.274	1072.381	1352.915
FirstActDet	i* 1.0 Modify	Abby	636.550 ^a	35.316	566.058	707.042
		Tim	597.653 ^a	24.690	548.371	646.935
	iStar 2.0 Modify	Abby	383.583 ^a	27.577	328.538	438.628
		Tim	101.909 ^a	18.941	64.103	139.714
LastActDet	i* 1.0 Modify	Abby	1258.433 ^a	109.042	1040.785	1476.081
		Tim	1069.675 ^a	76.232	917.515	1221.835
	iStar 2.0 Modify	Abby	1565.000 ^a	85.147	1395.045	1734.955
		Tim	867.467 ^a	58.481	750.739	984.195
ProcDur	i* 1.0 Modify	Abby	30.283 ^a	61.134	-91.740	152.307
		Tim	30.875 ^a	42.739	-54.433	116.183
	iStar 2.0 Modify	Abby	423.000 ^a	47.738	327.715	518.285
		Tim	345.181 ^a	32.787	279.738	410.624
FixRel	i* 1.0 Modify	Abby	5.017 ^a	.249	4.521	5.514
		Tim	5.012 ^a	.174	4.665	5.359
	iStar 2.0 Modify	Abby	1.550 ^a	.194	1.162	1.937
		Tim	1.663 ^a	.133	1.397	1.929
FixIrrel	i* 1.0 Modify	Abby	6.651 ^a	1.230	4.196	9.106
		Tim	5.214 ^a	.860	3.498	6.930
	iStar 2.0 Modify	Abby	2.404 ^a	.960	.488	4.321
		Tim	4.542 ^a	.660	3.226	5.859
AvDurRelFix	i* 1.0 Modify	Abby	380.429 ^a	85.530	209.711	551.148
		Tim	333.388 ^a	59.795	214.036	452.739
	iStar 2.0 Modify	Abby	654.849 ^a	66.788	521.540	788.158
		Tim	459.452 ^a	45.871	367.893	551.011
AvDurlIrrelFix	i* 1.0 Modify	Abby	789.288 ^a	124.445	540.893	1037.682

		Tim	648.163 ^a	87.001	474.507	821.818
TotSac	iStar 2.0	Abby	812.657 ^a	97.176	618.694	1006.620
	Modify	Tim	588.853 ^a	66.742	455.635	722.071
Sac2Key	i* 1.0	Abby	104.117 ^a	4.316	95.503	112.731
	Modify	Tim	105.481 ^a	3.017	99.459	111.503
AvAttention	iStar 2.0	Abby	59.083 ^a	3.370	52.357	65.810
	Modify	Tim	62.578 ^a	2.315	57.958	67.197
AvMentWL	i* 1.0	Abby	83.683 ^a	3.600	76.498	90.869
	Modify	Tim	91.113 ^a	2.517	86.089	96.136
AvFam	iStar 2.0	Abby	30.750 ^a	2.811	25.139	36.361
	Modify	Tim	28.725 ^a	1.931	24.872	32.579
AvSCL	i* 1.0	Abby	.645 ^a	.060	.525	.765
	Modify	Tim	.727 ^a	.042	.643	.810
HRVar_RMSSD	iStar 2.0	Abby	.700 ^a	.047	.606	.794
	Modify	Tim	.649 ^a	.032	.585	.714
HRVar_NN50	i* 1.0	Abby	.562 ^a	.063	.436	.687
	Modify	Tim	.692 ^a	.044	.604	.779
NASA_MD	iStar 2.0	Abby	.658 ^a	.049	.560	.756
	Modify	Tim	.655 ^a	.034	.587	.722
NASA_PD	i* 1.0	Abby	.532 ^a	.056	.419	.644
	Modify	Tim	.522 ^a	.039	.443	.601
NASA_TD	iStar 2.0	Abby	.433 ^a	.044	.345	.521
	Modify	Tim	.354 ^a	.030	.294	.415
NASA_TD	i* 1.0	Abby	710.117 ^a	49.518	611.278	808.956
	Modify	Tim	601.053 ^a	34.619	531.954	670.153
NASA_TD	iStar 2.0	Abby	801.167 ^a	38.667	723.986	878.347
	Modify	Tim	779.452 ^a	26.557	726.444	832.461
NASA_TD	i* 1.0	Abby	36.060 ^a	6.479	23.128	48.993
	Modify	Tim	30.518 ^a	4.530	21.477	39.559
NASA_TD	iStar 2.0	Abby	33.992 ^a	5.059	23.894	44.091
	Modify	Tim	42.900 ^a	3.475	35.965	49.836
NASA_TD	i* 1.0	Abby	18.819 ^a	6.855	5.136	32.502
	Modify	Tim	18.349 ^a	4.793	8.783	27.915
NASA_TD	iStar 2.0	Abby	17.774 ^a	5.353	7.090	28.459
	Modify	Tim	29.999 ^a	3.677	22.661	37.338
NASA_TD	i* 1.0	Abby	76.833 ^a	5.135	66.583	87.083
	Modify	Tim	82.078 ^a	3.590	74.912	89.244
NASA_TD	iStar 2.0	Abby	74.167 ^a	4.010	66.163	82.171
	Modify	Tim	74.490 ^a	2.754	68.992	79.987
NASA_TD	i* 1.0	Abby	26.417 ^a	6.359	13.723	39.110
	Modify	Tim	29.156 ^a	4.446	20.282	38.030
NASA_TD	iStar 2.0	Abby	37.500 ^a	4.966	27.588	47.412
	Modify	Tim	22.384 ^a	3.411	15.577	29.192
NASA_TD	i* 1.0	Abby	43.333 ^a	7.949	27.467	59.199
	Modify	Tim	45.859 ^a	5.557	34.767	56.952

	iStar 2.0 Modify	Abby	55.833 ^a	6.207	43.444	68.223
		Tim	46.561 ^a	4.263	38.052	55.070
NASA_Performance	i* 1.0 Modify	Abby	37.583 ^a	9.559	18.504	56.663
		Tim	37.016 ^a	6.683	23.677	50.354
	iStar 2.0 Modify	Abby	66.250 ^a	7.464	51.352	81.148
		Tim	48.917 ^a	5.126	38.684	59.149
NASA_Effort	i* 1.0 Modify	Abby	67.750 ^a	5.511	56.750	78.750
		Tim	72.641 ^a	3.853	64.951	80.331
	iStar 2.0 Modify	Abby	66.667 ^a	4.303	58.077	75.256
		Tim	68.765 ^a	2.956	62.866	74.665
NASA_Frustration	i* 1.0 Modify	Abby	55.583 ^a	8.655	38.308	72.859
		Tim	59.656 ^a	6.051	47.579	71.734
	iStar 2.0 Modify	Abby	69.583 ^a	6.758	56.094	83.073
		Tim	60.791 ^a	4.642	51.526	70.056
NASA_Score	i* 1.0 Modify	Abby	51.250 ^a	5.817	39.639	62.861
		Tim	54.401 ^a	4.067	46.284	62.518
	iStar 2.0 Modify	Abby	68.861 ^a	4.542	59.795	77.928
		Tim	62.309 ^a	3.120	56.082	68.537

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag motivation facet, understanding task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	.801	1	68.944	.374
Recall	Welch	.053	1	69.286	.818
FMeasure	Welch	.759	1	68.135	.387
Duration	Welch	4.120	1	57.053	.047
FirstActDet	Welch	26.102	1	43.004	.000
LastActDet	Welch	3.379	1	58.331	.071
ProcDur	Welch	17.952	1	45.932	.000
FixRel	Welch	.370	1	56.483	.546
FixIrrel	Welch	1.498	1	63.791	.226
AvDurRelFix	Welch	3.852	1	56.830	.055
AvDurIrrelFix	Welch	5.562	1	58.491	.022
TotSac	Welch	.428	1	62.561	.515
Sac2Key	Welch	.047	1	53.438	.829
AvAttention	Welch	1.204	1	52.471	.277
AvMentWL	Welch	1.864	1	59.094	.177
AvFam	Welch	3.719	1	49.838	.059
AvSCL	Welch	.308	1	54.218	.581
HRVar_RMSSD	Welch	7.512	1	72.558	.008
HRVar_NN50	Welch	1.543	1	57.940	.219
NASA_MD	Welch	5.143	1	45.624	.028
NASA_PD	Welch	10.520	1	40.784	.002
NASA_TD	Welch	5.811	1	53.463	.019
NASA_Performance	Welch	7.437	1	56.384	.009
NASA_Effort	Welch	4.243	1	45.885	.045
NASA_Frustration	Welch	5.591	1	55.799	.022
NASA_Score	Welch	2.608	1	58.946	.112

a. Asymptotically F distributed.

ANOVA - I* concrete syntaxes, GenderMag motivation facet, understanding task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.045	1	.045	.682	.411
	Within Groups	5.092	78	.065		
	Total	5.136	79			
Recall	Between Groups	.003	1	.003	.045	.832
	Within Groups	5.833	78	.075		
	Total	5.837	79			
FMeasure	Between Groups	.034	1	.034	.652	.422
	Within Groups	4.019	78	.052		
	Total	4.053	79			
Duration	Between Groups	380786.786	1	380786.786	4.036	.048
	Within Groups	7359518.102	78	94352.796		
	Total	7740304.888	79			
FirstActDet	Between Groups	650122.200	1	650122.200	31.349	.000
	Within Groups	1617556.000	78	20737.897		
	Total	2267678.200	79			
LastActDet	Between Groups	300574.352	1	300574.352	3.259	.075
	Within Groups	7193147.198	78	92219.836		
	Total	7493721.550	79			
ProcDur	Between Groups	4737.930	1	4737.930	20.518	.000
	Within Groups	18011.058	78	230.911		
	Total	22748.988	79			
FixRel	Between Groups	1.052	1	1.052	.365	.548
	Within Groups	225.020	78	2.885		
	Total	226.072	79			
FixIrrel	Between Groups	25.990	1	25.990	1.354	.248
	Within Groups	1497.114	78	19.194		
	Total	1523.104	79			
AvDurRelFix	Between Groups	24527.897	1	24527.897	3.784	.055
	Within Groups	505588.659	78	6481.906		
	Total	530116.555	79			
AvDurIrrelFix	Between Groups	184692.384	1	184692.384	5.354	.023
	Within Groups	2690949.865	78	34499.357		
	Total	2875642.249	79			
TotSac	Between Groups	51.113	1	51.113	.393	.533
	Within Groups	10155.637	78	130.200		
	Total	10206.750	79			
Sac2Key	Between Groups	11.873	1	11.873	.048	.827
	Within Groups	19232.077	78	246.565		
	Total	19243.950	79			
AvAttention	Between Groups	.051	1	.051	1.251	.267
	Within Groups	3.157	78	.040		
	Total	3.208	79			
AvMentWL	Between Groups	.090	1	.090	1.781	.186
	Within Groups	3.942	78	.051		
	Total	4.032	79			
AvFam	Between Groups	.109	1	.109	4.007	.049
	Within Groups	2.126	78	.027		
	Total	2.235	79			
AvSCL	Between Groups	5608.805	1	5608.805	.312	.578
	Within Groups	1401087.945	78	17962.666		

	Total	1406696.750	79			
HRVar_RMSSD	Between Groups	2263.673	1	2263.673	6.099	.016
	Within Groups	28951.625	78	371.175		
	Total	31215.298	79			
HRVar_NN50	Between Groups	507.894	1	507.894	1.495	.225
	Within Groups	26495.536	78	339.686		
	Total	27003.430	79			
NASA_MD	Between Groups	774.811	1	774.811	5.908	.017
	Within Groups	10229.876	78	131.152		
	Total	11004.687	79			
NASA_PD	Between Groups	5077.802	1	5077.802	13.168	.001
	Within Groups	30077.198	78	385.605		
	Total	35155.000	79			
NASA_TD	Between Groups	2944.629	1	2944.629	5.957	.017
	Within Groups	38554.121	78	494.284		
	Total	41498.750	79			
NASA_Performance	Between Groups	5857.266	1	5857.266	7.346	.008
	Within Groups	62191.484	78	797.327		
	Total	68048.750	79			
NASA_Effort	Between Groups	982.916	1	982.916	4.853	.031
	Within Groups	15796.772	78	202.523		
	Total	16779.688	79			
NASA_Frustration	Between Groups	2806.374	1	2806.374	5.563	.021
	Within Groups	39348.626	78	504.470		
	Total	42155.000	79			
NASA_Score	Between Groups	572.794	1	572.794	2.496	.118
	Within Groups	17897.045	78	229.449		
	Total	18469.839	79			

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

Dependent Variable	Task	Motivation	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Understand	Abby	.724 ^a	.051	.622	.826
		Tim	.590 ^a	.034	.522	.659
	iStar 2.0 Understand	Abby	.771 ^a	.051	.669	.873
		Tim	.662 ^a	.043	.576	.747
Recall	i* 1.0 Understand	Abby	.720 ^a	.084	.552	.889
		Tim	.652 ^a	.057	.538	.766
	iStar 2.0 Understand	Abby	.747 ^a	.085	.578	.916
		Tim	.744 ^a	.071	.602	.886
FMeasure	i* 1.0 Understand	Abby	.713 ^a	.059	.594	.831
		Tim	.579 ^a	.040	.499	.659
	iStar 2.0 Understand	Abby	.728 ^a	.059	.609	.847
		Tim	.685 ^a	.050	.585	.785
Duration	i* 1.0 Understand	Abby	1126.389 ^a	65.099	996.078	1256.700
		Tim	1061.908 ^a	43.890	974.054	1149.763
	iStar 2.0 Understand	Abby	737.100 ^a	65.309	606.370	867.830
		Tim	662.661 ^a	54.711	553.146	772.177
FirstActDet	i* 1.0 Understand	Abby	550.852 ^a	36.101	478.588	623.116
		Tim	435.662 ^a	24.339	386.943	484.382
	iStar 2.0 Understand	Abby	586.856 ^a	36.217	514.359	659.352
		Tim	469.664 ^a	30.340	408.932	530.395
LastActDet	i* 1.0 Understand	Abby	1089.954 ^a	64.380	961.082	1218.825
		Tim	1037.346 ^a	43.405	950.462	1124.230
	iStar 2.0 Understand	Abby	702.256 ^a	64.588	572.969	831.542
		Tim	639.254 ^a	54.106	530.949	747.560
ProcDur	i* 1.0 Understand	Abby	36.435 ^a	2.479	31.472	41.398
		Tim	24.563 ^a	1.672	21.217	27.908
	iStar 2.0 Understand	Abby	34.844 ^a	2.487	29.866	39.823
		Tim	23.407 ^a	2.084	19.236	27.578
FixRel	i* 1.0 Understand	Abby	4.517 ^a	.212	4.092	4.942
		Tim	4.911 ^a	.143	4.624	5.198
	iStar 2.0 Understand	Abby	1.503 ^a	.213	1.077	1.930
		Tim	1.558 ^a	.178	1.201	1.915
FixIrrel	i* 1.0 Understand	Abby	4.381 ^a	1.160	2.058	6.703
		Tim	6.770 ^a	.782	5.204	8.336
	iStar 2.0 Understand	Abby	5.155 ^a	1.164	2.825	7.485
		Tim	2.588 ^a	.975	.636	4.539
AvDurRelFix	i* 1.0 Understand	Abby	291.597 ^a	16.275	259.020	324.175
		Tim	275.477 ^a	10.972	253.513	297.441
	iStar 2.0 Understand	Abby	184.275 ^a	16.327	151.592	216.958
		Tim	165.665 ^a	13.678	138.287	193.044
AvDurlrelFix	i* 1.0 Understand	Abby	678.792 ^a	48.825	581.059	776.525
		Tim		32.917	564.540	696.322

		630.431 ^a			
TotSac	iStar 2.0 Understand	Abby	527.825 ^a	48.982	429.777
		Tim	471.996 ^a	41.033	389.860
TotSac	i* 1.0 Understand	Abby	92.509 ^a	3.429	85.645
		Tim	92.177 ^a	2.312	87.549
Sac2Key	iStar 2.0 Understand	Abby	85.489 ^a	3.440	78.602
		Tim	86.988 ^a	2.882	81.218
Sac2Key	i* 1.0 Understand	Abby	87.139 ^a	2.867	81.400
		Tim	84.515 ^a	1.933	80.645
AvAttention	iStar 2.0 Understand	Abby	58.067 ^a	2.876	52.309
		Tim	59.653 ^a	2.410	54.830
AvAttention	i* 1.0 Understand	Abby	.656 ^a	.051	.554
		Tim	.639 ^a	.034	.570
AvAttention	iStar 2.0 Understand	Abby	.529 ^a	.051	.427
		Tim	.456 ^a	.043	.371
AvMentWL	i* 1.0 Understand	Abby	.626 ^a	.066	.494
		Tim	.638 ^a	.045	.549
AvMentWL	iStar 2.0 Understand	Abby	.470 ^a	.066	.337
		Tim	.499 ^a	.056	.387
AvFam	i* 1.0 Understand	Abby	.649 ^a	.049	.551
		Tim	.557 ^a	.033	.491
AvFam	iStar 2.0 Understand	Abby	.517 ^a	.049	.418
		Tim	.542 ^a	.041	.459
AvSCL	i* 1.0 Understand	Abby	631.454 ^a	42.157	547.067
		Tim	640.394 ^a	28.422	583.501
AvSCL	iStar 2.0 Understand	Abby	675.556 ^a	42.293	590.897
		Tim	677.765 ^a	35.429	606.845
HRVar_RMSSD	i* 1.0 Understand	Abby	34.032 ^a	5.600	22.823
		Tim	37.998 ^a	3.775	30.441
HRVar_RMSSD	iStar 2.0 Understand	Abby	31.893 ^a	5.618	20.648
		Tim	35.372 ^a	4.706	25.951
HRVar_NN50	i* 1.0 Understand	Abby	23.985 ^a	5.397	13.181
		Tim	22.380 ^a	3.639	15.095
HRVar_NN50	iStar 2.0 Understand	Abby	21.056 ^a	5.415	10.217
		Tim	21.340 ^a	4.536	12.260
NASA_MD	i* 1.0 Understand	Abby	74.537 ^a	2.854	68.824
		Tim	71.698 ^a	1.924	67.847
NASA_MD	iStar 2.0 Understand	Abby	59.444 ^a	2.863	53.714
		Tim	66.016 ^a	2.398	61.215
NASA_PD	i* 1.0 Understand	Abby	25.185 ^a	5.306	14.563
		Tim	13.781 ^a	3.578	6.620
NASA_PD	iStar 2.0 Understand	Abby	20.889 ^a	5.324	10.233
		Tim	22.958 ^a	4.460	14.031
NASA_TD	i* 1.0 Understand	Abby	48.704 ^a	6.195	36.304
		Tim	30.427 ^a	4.176	22.067
NASA_TD	iStar 2.0	Abby	35.444 ^a	6.215	23.005
					47.884

	Understand	Tim	33.245 ^a	5.206	22.824	43.666
NASA_Performance	i* 1.0 Understand	Abby	65.093 ^a	8.448	48.183	82.002
		Tim	41.094 ^a	5.695	29.693	52.494
	iStar 2.0 Understand	Abby	69.333 ^a	8.475	52.369	86.298
		Tim	57.682 ^a	7.100	43.471	71.894
NASA_Effort	i* 1.0 Understand	Abby	73.056 ^a	4.086	64.876	81.235
		Tim	69.052 ^a	2.755	63.538	74.567
	iStar 2.0 Understand	Abby	55.833 ^a	4.099	47.628	64.039
		Tim	64.932 ^a	3.434	58.058	71.806
NASA_Frustration	i* 1.0 Understand	Abby	64.815 ^a	6.650	51.503	78.127
		Tim	41.688 ^a	4.484	32.713	50.662
	iStar 2.0 Understand	Abby	54.167 ^a	6.672	40.812	67.522
		Tim	49.698 ^a	5.589	38.510	60.886
NASA_Score	i* 1.0 Understand	Abby	58.565 ^a	4.215	50.127	67.003
		Tim	44.623 ^a	2.842	38.934	50.312
	iStar 2.0 Understand	Abby	55.562 ^a	4.229	47.096	64.027
		Tim	54.560 ^a	3.543	47.469	61.651

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag information processing facet, understanding task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	26.500	1	41.101	.000
Recall	Welch	4.625	1	36.368	.038
FMeasure	Welch	14.033	1	33.544	.001
Duration	Welch	8.275	1	65.402	.005
FirstActDet	Welch	20.937	1	45.466	.000
LastActDet	Welch	7.576	1	66.345	.008
ProcDur	Welch	9.569	1	58.905	.003
FixRel	Welch	.625	1	51.231	.433
FixIrrel	Welch	35.094	1	60.139	.000
AvDurRelFix	Welch	7.579	1	64.285	.008
AvDurIrrelFix	Welch	12.634	1	72.297	.001
TotSac	Welch	.382	1	58.727	.539
Sac2Key	Welch	.692	1	52.094	.409
AvAttention	Welch	38.022	1	50.987	.000
AvMentWL	Welch	15.750	1	68.936	.000
AvFam	Welch	6.712	1	54.033	.012
AvSCL	Welch	.539	1	50.633	.466
HRVar_RMSSD	Welch	4.814	1	73.788	.031
HRVar_NN50	Welch	.854	1	56.494	.359
NASA_MD	Welch	15.070	1	77.228	.000
NASA_PD	Welch	21.692	1	43.474	.000
NASA_TD	Welch	.373	1	73.937	.543
NASA_Performance	Welch	.003	1	50.925	.960
NASA_Effort	Welch	6.421	1	72.069	.013
NASA_Frustration	Welch	.830	1	48.761	.367
NASA_Score	Welch	.997	1	64.496	.322

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	1.526	1	1.526	32.969	.000
	Within Groups	3.610	78	.046		
	Total	5.136	79			
Recall	Between Groups	.441	1	.441	6.370	.014
	Within Groups	5.396	78	.069		
	Total	5.837	79			
FMeasure	Between Groups	.854	1	.854	20.809	.000
	Within Groups	3.199	78	.041		
	Total	4.053	79			
Duration	Between Groups	665999.473	1	665999.473	7.343	.008
	Within Groups	7074305.415	78	90696.223		
	Total	7740304.887	79			
FirstActDet	Between Groups	535474.464	1	535474.464	24.112	.000
	Within Groups	1732203.736	78	22207.740		
	Total	2267678.200	79			
LastActDet	Between Groups	588564.528	1	588564.528	6.648	.012
	Within Groups	6905157.022	78	88527.654		
	Total	7493721.550	79			
ProcDur	Between Groups	2392.023	1	2392.023	9.165	.003
	Within Groups	20356.964	78	260.987		
	Total	22748.988	79			
FixRel	Between Groups	1.897	1	1.897	.660	.419
	Within Groups	224.175	78	2.874		
	Total	226.072	79			
FixIrrel	Between Groups	311.204	1	311.204	20.030	.000
	Within Groups	1211.900	78	15.537		
	Total	1523.104	79			
AvDurRelFix	Between Groups	42586.931	1	42586.931	6.813	.011
	Within Groups	487529.624	78	6250.380		
	Total	530116.555	79			
AvDurlrelFix	Between Groups	335258.394	1	335258.394	10.294	.002
	Within Groups	2540383.855	78	32569.024		
	Total	2875642.249	79			
TotSac	Between Groups	47.816	1	47.816	.367	.546
	Within Groups	10158.934	78	130.243		
	Total	10206.750	79			
Sac2Key	Between Groups	176.642	1	176.642	.723	.398
	Within Groups	19067.308	78	244.453		
	Total	19243.950	79			
AvAttention	Between Groups	1.093	1	1.093	40.306	.000
	Within Groups	2.115	78	.027		
	Total	3.208	79			
AvMentWL	Between Groups	.591	1	.591	13.400	.000
	Within Groups	3.441	78	.044		
	Total	4.032	79			
AvFam	Between Groups	.180	1	.180	6.831	.011
	Within Groups	2.055	78	.026		
	Total	2.236	79			
AvSCL	Between Groups	10277.816	1	10277.816	.574	.451

	Within Groups	1396418.934	78	17902.807		
	Total	1406696.750	79			
HRVar_RMSSD	Between Groups	1464.227	1	1464.227	3.839	.054
	Within Groups	29751.072	78	381.424		
	Total	31215.298	79			
HRVar_NN50	Between Groups	288.359	1	288.359	.842	.362
	Within Groups	26715.071	78	342.501		
	Total	27003.430	79			
NASA_MD	Between Groups	1384.701	1	1384.701	11.227	.001
	Within Groups	9619.986	78	123.333		
	Total	11004.687	79			
NASA_PD	Between Groups	8747.308	1	8747.308	25.837	.000
	Within Groups	26407.692	78	338.560		
	Total	35155.000	79			
NASA_TD	Between Groups	157.266	1	157.266	.297	.588
	Within Groups	41341.484	78	530.019		
	Total	41498.750	79			
NASA_Performance	Between Groups	2.321	1	2.321	.003	.959
	Within Groups	68046.429	78	872.390		
	Total	68048.750	79			
NASA_Effort	Between Groups	1057.778	1	1057.778	5.248	.025
	Within Groups	15721.909	78	201.563		
	Total	16779.687	79			
NASA_Frustration	Between Groups	485.495	1	485.495	.909	.343
	Within Groups	41669.505	78	534.224		
	Total	42155.000	79			
NASA_Score	Between Groups	209.359	1	209.359	.894	.347
	Within Groups	18260.481	78	234.109		
	Total	18469.839	79			

Task * InformationProcessing - i* concrete syntaxes, GenderMag information processing facet, understanding task

Dependent Variable	Task	InformationProcessing	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Understand	Abby	.732 ^a	.034	.664	.801
		Tim	.346 ^a	.051	.244	.447
	iStar 2.0 Understand	Abby	.803 ^a	.040	.722	.884
		Tim	.558 ^a	.057	.444	.671
Recall	i* 1.0 Understand	Abby	.732 ^a	.057	.618	.845
		Tim	.509 ^a	.084	.340	.678
	iStar 2.0 Understand	Abby	.806 ^a	.067	.671	.940
		Tim	.672 ^a	.094	.483	.861
FMeasure	i* 1.0 Understand	Abby	.696 ^a	.040	.616	.775
		Tim	.402 ^a	.059	.283	.520
	iStar 2.0 Understand	Abby	.778 ^a	.047	.683	.872
		Tim	.599 ^a	.066	.467	.732
Duration	i* 1.0 Understand	Abby	1045.721 ^a	43.890	957.866	1133.575
		Tim	1169.556 ^a	65.099	1039.245	1299.866
	iStar 2.0 Understand	Abby	602.849 ^a	51.928	498.903	706.795
		Tim	779.100 ^a	72.905	633.164	925.036
FirstActDet	i* 1.0 Understand	Abby	440.600 ^a	24.339	391.880	489.320
		Tim	537.685 ^a	36.101	465.421	609.949
	iStar 2.0 Understand	Abby	432.174 ^a	28.797	374.530	489.817
		Tim	584.967 ^a	40.430	504.038	665.896
LastActDet	i* 1.0 Understand	Abby	1018.315 ^a	43.405	931.430	1105.199
		Tim	1140.704 ^a	64.380	1011.832	1269.575
	iStar 2.0 Understand	Abby	580.911 ^a	51.355	478.113	683.709
		Tim	747.067 ^a	72.100	602.743	891.391
ProcDur	i* 1.0 Understand	Abby	27.406 ^a	1.672	24.060	30.752
		Tim	28.852 ^a	2.479	23.889	33.815
	iStar 2.0 Understand	Abby	21.937 ^a	1.978	17.979	25.896
		Tim	32.033 ^a	2.777	26.475	37.591
FixRel	i* 1.0 Understand	Abby	4.904 ^a	.143	4.618	5.191
		Tim	4.535 ^a	.212	4.110	4.960
	iStar 2.0 Understand	Abby	1.780 ^a	.169	1.441	2.119
		Tim	1.259 ^a	.238	.783	1.735
FixIrrel	i* 1.0 Understand	Abby	7.288 ^a	.782	5.722	8.853
		Tim	3.001 ^a	1.160	.678	5.323
	iStar 2.0 Understand	Abby	5.142 ^a	.926	3.289	6.994
		Tim	1.063 ^a	1.299	-1.538	3.664
AvDurRelFix	i* 1.0 Understand	Abby	271.430 ^a	10.972	249.467	293.394
		Tim	302.389 ^a	16.275	269.811	334.967
	iStar 2.0 Understand	Abby	150.712 ^a	12.982	124.726	176.699
		Tim	194.775 ^a	18.226	158.291	231.259
AvDurlrelFix	i* 1.0	Abby	618.291 ^a	32.917	552.400	684.182

	Understand	Tim	711.167 ^a	48.825	613.434	808.900
iStar 2.0 Understand	Abby	427.136 ^a	38.946	349.177	505.096	
	Tim	559.325 ^a	54.679	449.873	668.777	
TotSac	i* 1.0 Understand	Abby	90.802 ^a	2.312	86.174	95.430
		Tim	96.176 ^a	3.429	89.311	103.041
	iStar 2.0 Understand	Abby	85.978 ^a	2.736	80.502	91.454
		Tim	87.300 ^a	3.841	79.612	94.988
Sac2Key	i* 1.0 Understand	Abby	83.827 ^a	1.933	79.958	87.697
		Tim	88.972 ^a	2.867	83.233	94.712
	iStar 2.0 Understand	Abby	59.238 ^a	2.287	54.659	63.816
		Tim	59.200 ^a	3.211	52.772	65.628
AvAttention	i* 1.0 Understand	Abby	.714 ^a	.034	.645	.782
		Tim	.456 ^a	.051	.354	.557
	iStar 2.0 Understand	Abby	.575 ^a	.040	.494	.656
		Tim	.357 ^a	.057	.243	.470
AvMentWL	i* 1.0 Understand	Abby	.672 ^a	.045	.583	.762
		Tim	.534 ^a	.066	.402	.666
	iStar 2.0 Understand	Abby	.586 ^a	.053	.480	.691
		Tim	.377 ^a	.074	.229	.525
AvFam	i* 1.0 Understand	Abby	.566 ^a	.033	.500	.633
		Tim	.624 ^a	.049	.526	.722
	iStar 2.0 Understand	Abby	.505 ^a	.039	.427	.584
		Tim	.570 ^a	.055	.460	.680
AvSCL	i* 1.0 Understand	Abby	648.706 ^a	28.422	591.814	705.599
		Tim	609.287 ^a	42.157	524.901	693.673
	iStar 2.0 Understand	Abby	684.936 ^a	33.628	617.623	752.249
		Tim	667.833 ^a	47.212	573.328	762.338
HRVar_RMSSD	i* 1.0 Understand	Abby	38.761 ^a	3.775	31.204	46.318
		Tim	31.995 ^a	5.600	20.787	43.204
	iStar 2.0 Understand	Abby	35.986 ^a	4.467	27.045	44.927
		Tim	32.548 ^a	6.271	19.995	45.101
HRVar_NN50	i* 1.0 Understand	Abby	23.920 ^a	3.639	16.636	31.205
		Tim	19.876 ^a	5.397	9.072	30.680
	iStar 2.0 Understand	Abby	21.166 ^a	4.305	12.547	29.784
		Tim	21.379 ^a	6.045	9.280	33.479
NASA_MD	i* 1.0 Understand	Abby	74.354 ^a	1.924	70.503	78.206
		Tim	67.454 ^a	2.854	61.741	73.166
	iStar 2.0 Understand	Abby	67.604 ^a	2.276	63.047	72.161
		Tim	60.167 ^a	3.196	53.769	66.564
NASA_PD	i* 1.0 Understand	Abby	12.687 ^a	3.578	5.526	19.849
		Tim	28.102 ^a	5.306	17.480	38.724
	iStar 2.0 Understand	Abby	11.056 ^a	4.233	2.583	19.528
		Tim	36.000 ^a	5.943	24.104	47.896
NASA_TD	i* 1.0 Understand	Abby	37.458 ^a	4.176	29.099	45.818
		Tim	29.954 ^a	6.195	17.554	42.353
	iStar 2.0	Abby	36.354 ^a	4.941	26.463	46.245

	Understand	Tim	30.833 ^a	6.937	16.947	44.720
NASA_Performance	i* 1.0 Understand	Abby	48.750 ^a	5.695	37.350	60.150
		Tim	44.676 ^a	8.448	27.766	61.586
	iStar 2.0 Understand	Abby	59.215 ^a	6.738	45.727	72.704
		Tim	62.833 ^a	9.461	43.896	81.771
NASA_Effort	i* 1.0 Understand	Abby	71.083 ^a	2.755	65.569	76.598
		Tim	67.639 ^a	4.086	59.460	75.818
	iStar 2.0 Understand	Abby	65.604 ^a	3.259	59.080	72.129
		Tim	58.667 ^a	4.576	49.507	67.827
NASA_Frustration	i* 1.0 Understand	Abby	51.062 ^a	4.484	42.088	60.037
		Tim	39.815 ^a	6.650	26.503	53.127
	iStar 2.0 Understand	Abby	53.625 ^a	5.305	43.006	64.244
		Tim	47.667 ^a	7.448	32.758	62.575
NASA_Score	i* 1.0 Understand	Abby	49.233 ^a	2.842	43.544	54.921
		Tim	46.273 ^a	4.215	37.835	54.711
	iStar 2.0 Understand	Abby	56.868 ^a	3.362	50.137	63.599
		Tim	52.391 ^a	4.721	42.942	61.841

a. Based on modified population marginal mean.

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

		Statistic ^a	df1	df2	Sig.
Precision	Welch	3.230	1	76.714	.076
Recall	Welch	.001	1	74.624	.970
FMeasure	Welch	.802	1	74.436	.373
Duration	Welch	3.679	1	74.986	.059
FirstActDet	Welch	15.474	1	60.576	.000
LastActDet	Welch	3.427	1	75.479	.068
ProcDur	Welch	3.093	1	68.666	.083
FixRel	Welch	.392	1	72.234	.533
FixIrrel	Welch	7.520	1	74.246	.008
AvDurRelFix	Welch	3.287	1	74.838	.074
AvDurIrrelFix	Welch	6.207	1	75.808	.015
TotSac	Welch	.034	1	77.711	.854
Sac2Key	Welch	.333	1	76.218	.566
AvAttention	Welch	4.275	1	66.052	.043
AvMentWL	Welch	5.743	1	76.649	.019
AvFam	Welch	1.834	1	71.173	.180
AvSCL	Welch	.007	1	76.327	.936
HRVar_RMSSD	Welch	3.147	1	77.988	.080
HRVar_NN50	Welch	2.740	1	76.813	.102
NASA_MD	Welch	17.040	1	77.994	.000
NASA_PD	Welch	8.926	1	63.361	.004
NASA_TD	Welch	.173	1	76.661	.678
NASA_Performance	Welch	.005	1	74.499	.943
NASA_Effort	Welch	7.715	1	76.986	.007
NASA_Frustration	Welch	1.566	1	70.979	.215
NASA_Score	Welch	1.030	1	77.614	.313

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.198	1	.198	3.130	.081
	Within Groups	4.938	78	.063		
	Total	5.136	79			
Recall	Between Groups	.000	1	.000	.001	.971
	Within Groups	5.836	78	.075		
	Total	5.837	79			
FMeasure	Between Groups	.041	1	.041	.795	.375
	Within Groups	4.012	78	.051		
	Total	4.053	79			
Duration	Between Groups	344075.288	1	344075.288	3.629	.060
	Within Groups	7396229.600	78	94823.456		
	Total	7740304.888	79			
FirstActDet	Between Groups	399289.603	1	399289.603	16.669	.000
	Within Groups	1868388.597	78	23953.700		
	Total	2267678.200	79			
LastActDet	Between Groups	309918.350	1	309918.350	3.365	.070
	Within Groups	7183803.200	78	92100.041		
	Total	7493721.550	79			
ProcDur	Between Groups	892.588	1	892.588	3.185	.078
	Within Groups	21856.400	78	280.210		
	Total	22748.987	79			
FixRel	Between Groups	1.138	1	1.138	.394	.532
	Within Groups	224.934	78	2.884		
	Total	226.072	79			
FixIrrel	Between Groups	120.473	1	120.473	6.699	.011
	Within Groups	1402.631	78	17.982		
	Total	1523.104	79			
AvDurRelFix	Between Groups	21175.475	1	21175.475	3.245	.075
	Within Groups	508941.080	78	6524.886		
	Total	530116.555	79			
AvDurlrelFix	Between Groups	207774.956	1	207774.956	6.075	.016
	Within Groups	2667867.293	78	34203.427		
	Total	2875642.249	79			
TotSac	Between Groups	4.229	1	4.229	.032	.858
	Within Groups	10202.521	78	130.802		
	Total	10206.750	79			
Sac2Key	Between Groups	79.753	1	79.753	.325	.570
	Within Groups	19164.197	78	245.695		
	Total	19243.950	79			
AvAttention	Between Groups	.174	1	.174	4.469	.038
	Within Groups	3.034	78	.039		
	Total	3.208	79			
AvMentWL	Between Groups	.269	1	.269	5.569	.021
	Within Groups	3.763	78	.048		
	Total	4.032	79			
AvFam	Between Groups	.052	1	.052	1.860	.177
	Within Groups	2.183	78	.028		
	Total	2.235	79			
AvSCL	Between Groups	115.207	1	115.207	.006	.936
	Within Groups	1406581.543	78	18033.097		

	Total	1406696.750	79			
HRVar_RMSSD	Between Groups	1135.915	1	1135.915	2.946	.090
	Within Groups	30079.383	78	385.633		
	Total	31215.298	79			
HRVar_NN50	Between Groups	887.679	1	887.679	2.651	.108
	Within Groups	26115.751	78	334.817		
	Total	27003.430	79			
NASA_MD	Between Groups	1876.116	1	1876.116	16.031	.000
	Within Groups	9128.571	78	117.033		
	Total	11004.687	79			
NASA_PD	Between Groups	3806.429	1	3806.429	9.471	.003
	Within Groups	31348.571	78	401.905		
	Total	35155.000	79			
NASA_TD	Between Groups	83.829	1	83.829	.158	.692
	Within Groups	41414.921	78	530.961		
	Total	41498.750	79			
NASA_Performance	Between Groups	4.464	1	4.464	.005	.943
	Within Groups	68044.286	78	872.363		
	Total	68048.750	79			
NASA_Effort	Between Groups	1462.545	1	1462.545	7.448	.008
	Within Groups	15317.143	78	196.374		
	Total	16779.687	79			
NASA_Frustration	Between Groups	841.984	1	841.984	1.590	.211
	Within Groups	41313.016	78	529.654		
	Total	42155.000	79			
NASA_Score	Between Groups	229.984	1	229.984	.983	.324
	Within Groups	18239.855	78	233.844		
	Total	18469.839	79			

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

Dependent Variable	Task	SelfEfficacy	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Understand	Abby	.695 ^a	.036	.623	.767
		Tim	.508 ^a	.046	.415	.601
	iStar 2.0 Understand	Abby	.719 ^a	.045	.629	.808
		Tim	.669 ^a	.050	.569	.769
Recall	i* 1.0 Understand	Abby	.653 ^a	.060	.533	.773
		Tim	.702 ^a	.077	.548	.857
	iStar 2.0 Understand	Abby	.754 ^a	.074	.605	.903
		Tim	.737 ^a	.083	.571	.903
FMeasure	i* 1.0 Understand	Abby	.635 ^a	.042	.550	.719
		Tim	.582 ^a	.054	.473	.690
	iStar 2.0 Understand	Abby	.719 ^a	.052	.614	.823
		Tim	.678 ^a	.058	.562	.795
Duration	i* 1.0 Understand	Abby	1050.133 ^a	46.253	957.548	1142.719
		Tim	1130.875 ^a	59.475	1011.822	1249.928
	iStar 2.0 Understand	Abby	635.485 ^a	57.380	520.626	750.344
		Tim	722.528 ^a	64.041	594.336	850.719
FirstActDet	i* 1.0 Understand	Abby	425.067 ^a	25.650	373.723	476.410
		Tim	540.597 ^a	32.982	474.576	606.618
	iStar 2.0 Understand	Abby	493.508 ^a	31.820	429.813	557.203
		Tim	508.389 ^a	35.514	437.300	579.478
LastActDet	i* 1.0 Understand	Abby	1020.455 ^a	45.742	928.892	1112.017
		Tim	1106.361 ^a	58.818	988.623	1224.099
	iStar 2.0 Understand	Abby	612.393 ^a	56.746	498.803	725.983
		Tim	693.139 ^a	63.333	566.363	819.915
ProcDur	i* 1.0 Understand	Abby	29.679 ^a	1.762	26.153	33.205
		Tim	24.514 ^a	2.265	19.980	29.048
	iStar 2.0 Understand	Abby	23.092 ^a	2.185	18.717	27.466
		Tim	29.389 ^a	2.439	24.507	34.271
FixRel	i* 1.0 Understand	Abby	4.834 ^a	.151	4.532	5.136
		Tim	4.751 ^a	.194	4.363	5.139
	iStar 2.0 Understand	Abby	1.577 ^a	.187	1.202	1.952
		Tim	1.514 ^a	.209	1.096	1.932
FixIrrel	i* 1.0 Understand	Abby	7.016 ^a	.824	5.366	8.667
		Tim	4.547 ^a	1.060	2.425	6.669
	iStar 2.0 Understand	Abby	3.885 ^a	1.023	1.838	5.932
		Tim	2.790 ^a	1.141	.505	5.074
AvDurRelFix	i* 1.0 Understand	Abby	272.533 ^a	11.563	249.387	295.680
		Tim	292.719 ^a	14.869	262.956	322.482
	iStar 2.0 Understand	Abby	158.871 ^a	14.345	130.157	187.586
		Tim	180.632 ^a	16.010	148.584	212.680
AvDurlrelFix	i* 1.0 Understand	Abby	621.600 ^a	34.690	552.161	691.039
		Tim		44.606	592.867	771.446

		682.156 ^a			
TotSac	iStar 2.0 Understand	Abby	451.614 ^a	43.035	365.470
		Tim	516.896 ^a	48.031	420.752
TotSac	i* 1.0 Understand	Abby	91.405 ^a	2.437	86.527
		Tim	93.778 ^a	3.133	87.506
TotSac	iStar 2.0 Understand	Abby	87.707 ^a	3.023	81.656
		Tim	85.639 ^a	3.374	78.886
Sac2Key	i* 1.0 Understand	Abby	84.695 ^a	2.037	80.617
		Tim	86.167 ^a	2.620	80.923
Sac2Key	iStar 2.0 Understand	Abby	60.685 ^a	2.527	55.626
		Tim	58.000 ^a	2.821	52.354
AvAttention	i* 1.0 Understand	Abby	.675 ^a	.036	.603
		Tim	.588 ^a	.046	.495
AvAttention	iStar 2.0 Understand	Abby	.477 ^a	.045	.387
		Tim	.475 ^a	.050	.375
AvMentWL	i* 1.0 Understand	Abby	.658 ^a	.047	.564
		Tim	.594 ^a	.060	.474
AvMentWL	iStar 2.0 Understand	Abby	.520 ^a	.058	.403
		Tim	.467 ^a	.065	.337
AvFam	i* 1.0 Understand	Abby	.578 ^a	.035	.508
		Tim	.589 ^a	.045	.499
AvFam	iStar 2.0 Understand	Abby	.507 ^a	.043	.420
		Tim	.558 ^a	.048	.462
AvSCL	i* 1.0 Understand	Abby	631.462 ^a	29.952	571.506
		Tim	649.319 ^a	38.515	572.223
AvSCL	iStar 2.0 Understand	Abby	682.290 ^a	37.158	607.910
		Tim	672.889 ^a	41.471	589.875
HRVar_RMSSD	i* 1.0 Understand	Abby	39.029 ^a	3.979	31.065
		Tim	33.218 ^a	5.116	22.978
HRVar_RMSSD	iStar 2.0 Understand	Abby	38.224 ^a	4.936	28.344
		Tim	31.256 ^a	5.509	20.229
HRVar_NN50	i* 1.0 Understand	Abby	26.267 ^a	3.835	18.591
		Tim	16.781 ^a	4.931	6.910
HRVar_NN50	iStar 2.0 Understand	Abby	27.063 ^a	4.757	17.540
		Tim	16.429 ^a	5.310	5.800
NASA_MD	i* 1.0 Understand	Abby	76.226 ^a	2.028	72.167
		Tim	65.903 ^a	2.607	60.684
NASA_MD	iStar 2.0 Understand	Abby	67.125 ^a	2.515	62.090
		Tim	61.806 ^a	2.807	56.186
NASA_PD	i* 1.0 Understand	Abby	12.298 ^a	3.770	4.751
		Tim	24.931 ^a	4.848	15.226
NASA_PD	iStar 2.0 Understand	Abby	23.267 ^a	4.677	13.904
		Tim	21.667 ^a	5.220	11.217
NASA_TD	i* 1.0 Understand	Abby	37.155 ^a	4.401	28.345
		Tim	32.361 ^a	5.659	21.033
NASA_TD	iStar 2.0	Abby	33.292 ^a	5.460	22.362
					44.221

	Understand	Tim	34.306 ^a	6.094	22.107	46.504
NASA_Performance	i* 1.0 Understand	Abby	48.036 ^a	6.002	36.021	60.050
		Tim	46.944 ^a	7.718	31.496	62.393
	iStar 2.0 Understand	Abby	67.558 ^a	7.446	52.654	82.463
		Tim	55.278 ^a	8.310	38.643	71.913
NASA_Effort	i* 1.0 Understand	Abby	72.488 ^a	2.903	66.677	78.299
		Tim	66.042 ^a	3.733	58.569	73.514
	iStar 2.0 Understand	Abby	64.392 ^a	3.602	57.182	71.601
		Tim	60.833 ^a	4.020	52.787	68.880
NASA_Frustration	i* 1.0 Understand	Abby	52.405 ^a	4.725	42.947	61.863
		Tim	40.278 ^a	6.076	28.116	52.440
	iStar 2.0 Understand	Abby	55.017 ^a	5.862	43.283	66.750
		Tim	47.500 ^a	6.542	34.404	60.596
NASA_Score	i* 1.0 Understand	Abby	49.768 ^a	2.995	43.773	55.763
		Tim	46.076 ^a	3.851	38.367	53.785
	iStar 2.0 Understand	Abby	58.630 ^a	3.715	51.193	66.068
		Tim	51.669 ^a	4.147	43.368	59.970

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag risk facet, understanding task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	14.628	1	72.534	.000
Recall	Welch	.261	1	77.983	.611
FMeasure	Welch	3.314	1	77.546	.073
Duration	Welch	1.993	1	63.686	.163
FirstActDet	Welch	7.660	1	42.061	.008
LastActDet	Welch	.997	1	63.756	.322
ProcDur	Welch	243.946	1	44.054	.000
FixRel	Welch	.350	1	67.492	.556
FixIrrel	Welch	1.165	1	49.319	.286
AvDurRelFix	Welch	1.936	1	64.115	.169
AvDurIrrelFix	Welch	2.183	1	61.251	.145
TotSac	Welch	.693	1	77.985	.408
Sac2Key	Welch	.030	1	74.379	.863
AvAttention	Welch	2.618	1	70.974	.110
AvMentWL	Welch	4.175	1	70.674	.045
AvFam	Welch	4.839	1	67.998	.031
AvSCL	Welch	.186	1	69.812	.668
HRVar_RMSSD	Welch	43.931	1	61.525	.000
HRVar_NN50	Welch	16.448	1	77.508	.000
NASA_MD	Welch	.186	1	52.031	.668
NASA_PD	Welch	18.414	1	44.861	.000
NASA_TD	Welch	19.846	1	47.560	.000
NASA_Performance	Welch	20.554	1	68.243	.000
NASA_Effort	Welch	3.389	1	57.260	.071
NASA_Frustration	Welch	16.015	1	63.576	.000
NASA_Score	Welch	12.856	1	53.387	.001

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.791	1	.791	14.190	.000
	Within Groups	4.346	78	.056		
	Total	5.136	79			
Recall	Between Groups	.017	1	.017	.230	.633
	Within Groups	5.819	78	.075		
	Total	5.837	79			
FMeasure	Between Groups	.150	1	.150	3.007	.087
	Within Groups	3.903	78	.050		
	Total	4.053	79			
Duration	Between Groups	200859.294	1	200859.294	2.078	.153
	Within Groups	7539445.594	78	96659.559		
	Total	7740304.887	79			
FirstActDet	Between Groups	248749.741	1	248749.741	9.610	.003
	Within Groups	2018928.459	78	25883.698		
	Total	2267678.200	79			
LastActDet	Between Groups	98481.091	1	98481.091	1.039	.311
	Within Groups	7395240.459	78	94810.775		
	Total	7493721.550	79			
ProcDur	Between Groups	18051.619	1	18051.619	299.748	.000
	Within Groups	4697.368	78	60.223		
	Total	22748.987	79			
FixRel	Between Groups	1.023	1	1.023	.355	.553
	Within Groups	225.049	78	2.885		
	Total	226.072	79			
FixIrrel	Between Groups	26.141	1	26.141	1.362	.247
	Within Groups	1496.963	78	19.192		
	Total	1523.104	79			
AvDurRelFix	Between Groups	13328.701	1	13328.701	2.012	.160
	Within Groups	516787.854	78	6625.485		
	Total	530116.555	79			
AvDurIrrelFix	Between Groups	82999.239	1	82999.239	2.318	.132
	Within Groups	2792643.010	78	35803.116		
	Total	2875642.249	79			
TotSac	Between Groups	79.969	1	79.969	.616	.435
	Within Groups	10126.781	78	129.831		
	Total	10206.750	79			
Sac2Key	Between Groups	7.031	1	7.031	.029	.866
	Within Groups	19236.919	78	246.627		
	Total	19243.950	79			
AvAttention	Between Groups	.103	1	.103	2.576	.113
	Within Groups	3.105	78	.040		
	Total	3.208	79			
AvMentWL	Between Groups	.202	1	.202	4.118	.046
	Within Groups	3.830	78	.049		
	Total	4.032	79			
AvFam	Between Groups	.132	1	.132	4.880	.030
	Within Groups	2.104	78	.027		
	Total	2.235	79			
AvSCL	Between Groups	3324.437	1	3324.437	.185	.668
	Within Groups	1403372.313	78	17991.953		

	Total	1406696.750	79			
HRVar_RMSSD	Between Groups	9356.564	1	9356.564	33.388	.000
	Within Groups	21858.734	78	280.240		
	Total	31215.298	79			
HRVar_NN50	Between Groups	4340.734	1	4340.734	14.940	.000
	Within Groups	22662.696	78	290.547		
	Total	27003.430	79			
NASA_MD	Between Groups	29.865	1	29.865	.212	.646
	Within Groups	10974.823	78	140.703		
	Total	11004.688	79			
NASA_PD	Between Groups	7855.322	1	7855.322	22.444	.000
	Within Groups	27299.678	78	349.996		
	Total	35155.000	79			
NASA_TD	Between Groups	9631.568	1	9631.568	23.575	.000
	Within Groups	31867.182	78	408.554		
	Total	41498.750	79			
NASA_Performance	Between Groups	14264.063	1	14264.063	20.686	.000
	Within Groups	53784.687	78	689.547		
	Total	68048.750	79			
NASA_Effort	Between Groups	762.215	1	762.215	3.712	.058
	Within Groups	16017.473	78	205.352		
	Total	16779.688	79			
NASA_Frustration	Between Groups	7438.301	1	7438.301	16.712	.000
	Within Groups	34716.699	78	445.086		
	Total	42155.000	79			
NASA_Score	Between Groups	2898.711	1	2898.711	14.520	.000
	Within Groups	15571.128	78	199.630		
	Total	18469.839	79			

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

Dependent Variable	Task	Risk	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Understand	Abby	.861 ^a	.045	.772	.951
		Tim	.493 ^a	.037	.419	.566
	iStar 2.0 Understand	Abby	.826 ^a	.056	.715	.937
		Tim	.580 ^a	.042	.496	.663
Recall	i* 1.0 Understand	Abby	.633 ^a	.074	.484	.782
		Tim	.693 ^a	.061	.571	.815
	iStar 2.0 Understand	Abby	.757 ^a	.092	.572	.941
		Tim	.735 ^a	.069	.596	.874
FMeasure	i* 1.0 Understand	Abby	.702 ^a	.052	.597	.806
		Tim	.566 ^a	.043	.480	.652
	iStar 2.0 Understand	Abby	.775 ^a	.065	.645	.904
		Tim	.632 ^a	.049	.534	.729
Duration	i* 1.0 Understand	Abby	1069.417 ^a	57.503	954.312	1184.522
		Tim	1085.252 ^a	47.060	991.051	1179.454
	iStar 2.0 Understand	Abby	750.700 ^a	71.267	608.044	893.356
		Tim	626.515 ^a	53.485	519.454	733.576
FirstActDet	i* 1.0 Understand	Abby	472.264 ^a	31.888	408.432	536.095
		Tim	464.114 ^a	26.097	411.875	516.354
	iStar 2.0 Understand	Abby	601.153 ^a	39.521	522.043	680.263
		Tim	418.685 ^a	29.660	359.314	478.056
LastActDet	i* 1.0 Understand	Abby	1022.132 ^a	56.868	908.298	1135.966
		Tim	1068.586 ^a	46.540	975.425	1161.746
	iStar 2.0 Understand	Abby	707.073 ^a	70.480	565.993	848.154
		Tim	614.239 ^a	52.894	508.360	720.118
ProcDur	i* 1.0 Understand	Abby	47.285 ^a	2.190	42.901	51.668
		Tim	16.667 ^a	1.792	13.079	20.254
	iStar 2.0 Understand	Abby	43.627 ^a	2.714	38.194	49.060
		Tim	12.276 ^a	2.037	8.199	16.354
FixRel	i* 1.0 Understand	Abby	4.629 ^a	.188	4.253	5.004
		Tim	4.904 ^a	.153	4.596	5.211
	iStar 2.0 Understand	Abby	1.300 ^a	.232	.834	1.765
		Tim	1.746 ^a	.174	1.396	2.095
FixIrrel	i* 1.0 Understand	Abby	8.728 ^a	1.025	6.676	10.779
		Tim	4.627 ^a	.839	2.949	6.306
	iStar 2.0 Understand	Abby	3.930 ^a	1.270	1.387	6.472
		Tim	2.752 ^a	.953	.844	4.660
AvDurRelFix	i* 1.0 Understand	Abby	277.354 ^a	14.376	248.578	306.130
		Tim	281.313 ^a	11.765	257.763	304.863
	iStar 2.0 Understand	Abby	187.675 ^a	17.817	152.011	223.339
		Tim	156.629 ^a	13.371	129.864	183.394
AvDurlrelFix	i* 1.0 Understand	Abby	636.062 ^a	43.127	549.734	722.391
		Tim		35.295	577.288	718.590

			647.939 ^a		
TotSac	iStar 2.0 Understand	Abby	538.025 ^a	53.450	431.033
		Tim	444.886 ^a	40.113	364.591
TotSac	i* 1.0 Understand	Abby	89.257 ^a	3.029	83.193
		Tim	93.988 ^a	2.479	89.026
TotSac	iStar 2.0 Understand	Abby	87.213 ^a	3.754	79.698
		Tim	86.050 ^a	2.818	80.410
Sac2Key	i* 1.0 Understand	Abby	82.188 ^a	2.533	77.118
		Tim	86.969 ^a	2.073	82.820
Sac2Key	iStar 2.0 Understand	Abby	57.520 ^a	3.139	51.237
		Tim	60.638 ^a	2.356	55.922
AvAttention	i* 1.0 Understand	Abby	.642 ^a	.045	.552
		Tim	.644 ^a	.037	.571
AvAttention	iStar 2.0 Understand	Abby	.465 ^a	.055	.354
		Tim	.485 ^a	.042	.401
AvMentWL	i* 1.0 Understand	Abby	.615 ^a	.058	.498
		Tim	.646 ^a	.048	.550
AvMentWL	iStar 2.0 Understand	Abby	.406 ^a	.072	.261
		Tim	.561 ^a	.054	.453
AvFam	i* 1.0 Understand	Abby	.616 ^a	.043	.529
		Tim	.563 ^a	.035	.492
AvFam	iStar 2.0 Understand	Abby	.574 ^a	.054	.466
		Tim	.502 ^a	.040	.421
AvSCL	i* 1.0 Understand	Abby	648.299 ^a	37.238	573.759
		Tim	632.045 ^a	30.475	571.043
AvSCL	iStar 2.0 Understand	Abby	681.373 ^a	46.151	588.992
		Tim	673.653 ^a	34.636	604.322
HRVar_RMSSD	i* 1.0 Understand	Abby	22.711 ^a	4.946	12.810
		Tim	45.033 ^a	4.048	36.931
HRVar_RMSSD	iStar 2.0 Understand	Abby	26.346 ^a	6.130	14.075
		Tim	41.154 ^a	4.601	31.945
HRVar_NN50	i* 1.0 Understand	Abby	11.806 ^a	4.768	2.263
		Tim	29.109 ^a	3.902	21.299
HRVar_NN50	iStar 2.0 Understand	Abby	17.768 ^a	5.909	5.941
		Tim	24.175 ^a	4.434	15.298
NASA_MD	i* 1.0 Understand	Abby	73.611 ^a	2.521	68.565
		Tim	71.821 ^a	2.063	67.692
NASA_MD	iStar 2.0 Understand	Abby	61.667 ^a	3.124	55.413
		Tim	66.354 ^a	2.345	61.661
NASA_PD	i* 1.0 Understand	Abby	25.347 ^a	4.687	15.965
		Tim	12.060 ^a	3.836	4.381
NASA_PD	iStar 2.0 Understand	Abby	34.733 ^a	5.809	23.105
		Tim	12.111 ^a	4.360	3.384
NASA_TD	i* 1.0 Understand	Abby	48.819 ^a	5.472	37.867
		Tim	27.750 ^a	4.478	18.786
NASA_TD	iStar 2.0	Abby	44.067 ^a	6.781	30.492
					57.641

	Understand	Tim	25.326 ^a	5.089	15.139	35.514
NASA_Performance	i* 1.0 Understand	Abby	67.569 ^a	7.462	52.633	82.506
		Tim	36.250 ^a	6.107	24.026	48.474
	iStar 2.0 Understand	Abby	79.000 ^a	9.248	60.488	97.512
		Tim	45.743 ^a	6.940	31.850	59.636
NASA_Effort	i* 1.0 Understand	Abby	66.875 ^a	3.609	59.650	74.100
		Tim	72.012 ^a	2.954	66.099	77.925
	iStar 2.0 Understand	Abby	56.100 ^a	4.473	47.146	65.054
		Tim	67.743 ^a	3.357	61.023	74.463
NASA_Frustration	i* 1.0 Understand	Abby	61.944 ^a	5.874	50.186	73.703
		Tim	40.024 ^a	4.807	30.401	49.647
	iStar 2.0 Understand	Abby	62.100 ^a	7.280	47.527	76.673
		Tim	41.597 ^a	5.464	30.660	52.534
NASA_Score	i* 1.0 Understand	Abby	57.361 ^a	3.723	49.908	64.814
		Tim	43.319 ^a	3.047	37.220	49.419
	iStar 2.0 Understand	Abby	61.365 ^a	4.615	52.128	70.602
		Tim	49.390 ^a	3.463	42.458	56.323

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag learning style facet, understanding task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	3.955	1	76.067	.050
Recall	Welch	.181	1	74.822	.672
FMeasure	Welch	1.656	1	73.515	.202
Duration	Welch	19.222	1	77.991	.000
FirstActDet	Welch	11.770	1	70.760	.001
LastActDet	Welch	18.068	1	77.994	.000
ProcDur	Welch	9.871	1	75.725	.002
FixRel	Welch	12.176	1	74.038	.001
FixIrrel	Welch	.906	1	77.918	.344
AvDurRelFix	Welch	20.074	1	77.977	.000
AvDurIrrelFix	Welch	13.133	1	77.958	.001
TotSac	Welch	1.807	1	77.757	.183
Sac2Key	Welch	12.129	1	77.903	.001
AvAttention	Welch	3.064	1	76.000	.084
AvMentWL	Welch	4.059	1	77.779	.047
AvFam	Welch	4.038	1	76.339	.048
AvSCL	Welch	.193	1	77.413	.662
HRVar_RMSSD	Welch	2.433	1	77.996	.123
HRVar_NN50	Welch	.390	1	77.373	.534
NASA_MD	Welch	.000	1	77.141	.991
NASA_PD	Welch	8.539	1	68.090	.005
NASA_TD	Welch	1.097	1	74.616	.298
NASA_Performance	Welch	.002	1	75.829	.968
NASA_Effort	Welch	.203	1	77.837	.654
NASA_Frustration	Welch	.017	1	71.717	.898
NASA_Score	Welch	.318	1	75.974	.574

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.249	1	.249	3.979	.050
	Within Groups	4.887	78	.063		
	Total	5.136	79			
Recall	Between Groups	.014	1	.014	.183	.670
	Within Groups	5.823	78	.075		
	Total	5.837	79			
FMeasure	Between Groups	.085	1	.085	1.681	.199
	Within Groups	3.967	78	.051		
	Total	4.053	79			
Duration	Between Groups	1519145.453	1	1519145.453	19.047	.000
	Within Groups	6221159.435	78	79758.454		
	Total	7740304.888	79			
FirstActDet	Between Groups	303165.739	1	303165.739	12.037	.001
	Within Groups	1964512.461	78	25186.057		
	Total	2267678.200	79			
LastActDet	Between Groups	1396699.039	1	1396699.039	17.868	.000
	Within Groups	6097022.511	78	78166.955		
	Total	7493721.550	79			
ProcDur	Between Groups	2572.109	1	2572.109	9.943	.002
	Within Groups	20176.878	78	258.678		
	Total	22748.987	79			
FixRel	Between Groups	30.876	1	30.876	12.338	.001
	Within Groups	195.196	78	2.503		
	Total	226.072	79			
FixIrrel	Between Groups	17.260	1	17.260	.894	.347
	Within Groups	1505.844	78	19.306		
	Total	1523.104	79			
AvDurRelFix	Between Groups	107770.294	1	107770.294	19.903	.000
	Within Groups	422346.262	78	5414.696		
	Total	530116.555	79			
AvDurIrrelFix	Between Groups	409970.966	1	409970.966	12.969	.001
	Within Groups	2465671.284	78	31611.170		
	Total	2875642.249	79			
TotSac	Between Groups	230.078	1	230.078	1.799	.184
	Within Groups	9976.672	78	127.906		
	Total	10206.750	79			
Sac2Key	Between Groups	2559.068	1	2559.068	11.963	.001
	Within Groups	16684.882	78	213.909		
	Total	19243.950	79			
AvAttention	Between Groups	.122	1	.122	3.083	.083
	Within Groups	3.086	78	.040		
	Total	3.208	79			
AvMentWL	Between Groups	.197	1	.197	3.996	.049
	Within Groups	3.835	78	.049		
	Total	4.032	79			
AvFam	Between Groups	.111	1	.111	4.057	.047
	Within Groups	2.125	78	.027		
	Total	2.236	79			
AvSCL	Between Groups	3460.529	1	3460.529	.192	.662
	Within Groups	1403236.221	78	17990.208		

	Total	1406696.750	79			
HRVar_RMSSD	Between Groups	935.693	1	935.693	2.410	.125
	Within Groups	30279.606	78	388.200		
	Total	31215.298	79			
HRVar_NN50	Between Groups	134.182	1	134.182	.390	.534
	Within Groups	26869.248	78	344.478		
	Total	27003.430	79			
NASA_MD	Between Groups	.020	1	.020	.000	.991
	Within Groups	11004.668	78	141.085		
	Total	11004.688	79			
NASA_PD	Between Groups	3560.013	1	3560.013	8.789	.004
	Within Groups	31594.987	78	405.064		
	Total	35155.000	79			
NASA_TD	Between Groups	581.958	1	581.958	1.109	.295
	Within Groups	40916.792	78	524.574		
	Total	41498.750	79			
NASA_Performance	Between Groups	1.382	1	1.382	.002	.968
	Within Groups	68047.368	78	872.402		
	Total	68048.750	79			
NASA_Effort	Between Groups	43.253	1	43.253	.202	.655
	Within Groups	16736.435	78	214.570		
	Total	16779.687	79			
NASA_Frustration	Between Groups	9.135	1	9.135	.017	.897
	Within Groups	42145.865	78	540.332		
	Total	42155.000	79			
NASA_Score	Between Groups	75.551	1	75.551	.320	.573
	Within Groups	18394.288	78	235.824		
	Total	18469.839	79			

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

Dependent Variable	Task	LearningStyle	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Understand	Abby	.650 ^a	.033	.584	.717
		Tim	.599 ^a	.048	.502	.695
	iStar 2.0 Understand	Abby	.538 ^a	.067	.404	.672
		Tim	.749 ^a	.039	.670	.828
Recall	i* 1.0 Understand	Abby	.717 ^a	.055	.606	.827
		Tim	.616 ^a	.080	.455	.776
	iStar 2.0 Understand	Abby	.743 ^a	.111	.521	.966
		Tim	.745 ^a	.065	.614	.876
FMeasure	i* 1.0 Understand	Abby	.655 ^a	.039	.578	.733
		Tim	.568 ^a	.056	.455	.680
	iStar 2.0 Understand	Abby	.618 ^a	.078	.462	.775
		Tim	.726 ^a	.046	.634	.818
Duration	i* 1.0 Understand	Abby	1108.017 ^a	42.641	1022.662	1193.371
		Tim	1045.267 ^a	61.958	921.245	1169.288
	iStar 2.0 Understand	Abby	637.667 ^a	85.920	465.679	809.654
		Tim	699.949 ^a	50.546	598.769	801.129
FirstActDet	i* 1.0 Understand	Abby	501.865 ^a	23.646	454.532	549.198
		Tim	425.333 ^a	34.359	356.557	494.110
	iStar 2.0 Understand	Abby	507.111 ^a	47.647	411.736	602.487
		Tim	499.568 ^a	28.031	443.459	555.677
LastActDet	i* 1.0 Understand	Abby	1076.771 ^a	42.170	992.360	1161.183
		Tim	1021.600 ^a	61.273	898.948	1144.252
	iStar 2.0 Understand	Abby	616.278 ^a	84.971	446.190	786.365
		Tim	671.496 ^a	49.988	571.434	771.558
ProcDur	i* 1.0 Understand	Abby	31.245 ^a	1.624	27.995	34.496
		Tim	23.667 ^a	2.360	18.943	28.390
	iStar 2.0 Understand	Abby	21.389 ^a	3.272	14.839	27.939
		Tim	28.453 ^a	1.925	24.600	32.306
FixRel	i* 1.0 Understand	Abby	4.840 ^a	.139	4.561	5.118
		Tim	4.760 ^a	.202	4.356	5.165
	iStar 2.0 Understand	Abby	1.509 ^a	.280	.949	2.070
		Tim	1.555 ^a	.165	1.225	1.885
FixIrrel	i* 1.0 Understand	Abby	6.286 ^a	.760	4.765	7.807
		Tim	5.918 ^a	1.104	3.707	8.128
	iStar 2.0 Understand	Abby	.888 ^a	1.531	-2.178	3.953
		Tim	4.188 ^a	.901	2.384	5.991
AvDurRelFix	i* 1.0 Understand	Abby	287.004 ^a	10.660	265.666	308.343
		Tim	271.317 ^a	15.489	240.311	302.322
	iStar 2.0 Understand	Abby	159.417 ^a	21.480	116.420	202.413
		Tim	174.987 ^a	12.637	149.692	200.282
AvDurlrelFix	i* 1.0 Understand	Abby	665.012 ^a	31.980	600.997	729.028
		Tim		46.468	524.934	710.966

		617.950 ^a			
TotSac	iStar 2.0 Understand	Abby	453.250 ^a	64.440	324.260
		Tim	499.962 ^a	37.910	424.077
Sac2Key	i* 1.0 Understand	Abby	91.907 ^a	2.246	87.411
		Tim	92.700 ^a	3.264	86.167
	iStar 2.0 Understand	Abby	88.000 ^a	4.526	78.940
		Tim	86.046 ^a	2.663	80.716
AvAttention	i* 1.0 Understand	Abby	84.033 ^a	1.878	80.274
		Tim	86.667 ^a	2.729	81.204
	iStar 2.0 Understand	Abby	62.333 ^a	3.784	54.758
		Tim	58.053 ^a	2.226	53.597
AvMentWL	i* 1.0 Understand	Abby	.610 ^a	.033	.544
		Tim	.683 ^a	.048	.587
	iStar 2.0 Understand	Abby	.378 ^a	.067	.244
		Tim	.513 ^a	.039	.434
AvFam	i* 1.0 Understand	Abby	.539 ^a	.043	.452
		Tim	.750 ^a	.063	.624
	iStar 2.0 Understand	Abby	.528 ^a	.087	.353
		Tim	.477 ^a	.051	.374
AvSCL	i* 1.0 Understand	Abby	655.863 ^a	27.613	600.589
		Tim	616.467 ^a	40.122	536.153
	iStar 2.0 Understand	Abby	648.222 ^a	55.640	536.847
		Tim	688.015 ^a	32.733	622.493
HRVar_RMSSD	i* 1.0 Understand	Abby	35.168 ^a	3.668	27.826
		Tim	39.014 ^a	5.329	28.346
	iStar 2.0 Understand	Abby	31.276 ^a	7.391	16.482
		Tim	35.603 ^a	4.348	26.900
HRVar_NN50	i* 1.0 Understand	Abby	22.185 ^a	3.535	15.108
		Tim	23.576 ^a	5.137	13.294
	iStar 2.0 Understand	Abby	19.921 ^a	7.124	5.661
		Tim	21.766 ^a	4.191	13.377
NASA_MD	i* 1.0 Understand	Abby	73.699 ^a	1.869	69.957
		Tim	71.000 ^a	2.716	65.563
	iStar 2.0 Understand	Abby	64.444 ^a	3.767	56.905
		Tim	64.141 ^a	2.216	59.705
NASA_PD	i* 1.0 Understand	Abby	21.245 ^a	3.476	14.288
		Tim	11.667 ^a	5.050	1.557
	iStar 2.0 Understand	Abby	21.667 ^a	7.004	7.648
		Tim	22.667 ^a	4.120	14.419
NASA_TD	i* 1.0 Understand	Abby	38.949 ^a	4.057	30.827
		Tim	31.167 ^a	5.896	19.365
	iStar 2.0	Abby	32.222 ^a	8.176	15.857

	Understand	Tim	34.453 ^a	4.810	24.825	44.081
NASA_Performance	i* 1.0 Understand	Abby	52.894 ^a	5.533	41.818	63.970
		Tim	41.333 ^a	8.040	25.240	57.427
	iStar 2.0 Understand	Abby	47.222 ^a	11.149	24.904	69.540
		Tim	65.974 ^a	6.559	52.844	79.104
NASA_Effort	i* 1.0 Understand	Abby	70.403 ^a	2.676	65.045	75.760
		Tim	69.833 ^a	3.889	62.049	77.618
	iStar 2.0 Understand	Abby	64.444 ^a	5.393	53.649	75.240
		Tim	61.703 ^a	3.173	55.352	68.054
NASA_Frustration	i* 1.0 Understand	Abby	50.213 ^a	4.356	41.494	58.932
		Tim	45.333 ^a	6.329	32.664	58.003
	iStar 2.0 Understand	Abby	46.111 ^a	8.777	28.542	63.681
		Tim	52.719 ^a	5.164	42.383	63.055
NASA_Score	i* 1.0 Understand	Abby	51.234 ^a	2.761	45.707	56.761
		Tim	45.056 ^a	4.012	37.025	53.086
	iStar 2.0 Understand	Abby	49.262 ^a	5.563	38.126	60.399
		Tim	56.922 ^a	3.273	50.371	63.474

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag motivation facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	1.917	1	49.597	.172
Recall	Welch	.598	1	55.216	.443
FMeasure	Welch	.076	1	46.147	.783
Duration	Welch	5.243	1	43.326	.027
FirstActDet	Welch	7.060	1	44.709	.011
LastActDet	Welch	3.413	1	44.228	.071
ProcDur	Welch	.987	1	59.332	.325
FixRel	Welch	6.386	1	56.877	.014
FixIrrel	Welch	.073	1	54.459	.788
AvDurRelFix	Welch	10.534	1	43.223	.002
AvDurIrrelFix	Welch	.675	1	58.197	.415
TotSac	Welch	5.901	1	62.748	.018
Sac2Key	Welch	7.801	1	63.409	.007
AvAttention	Welch	1.906	1	64.962	.172
AvMentWL	Welch	2.906	1	52.890	.094
AvFam	Welch	4.374	1	54.785	.041
AvSCL	Welch	.548	1	69.264	.462
HRVar_RMSSD	Welch	.404	1	54.815	.528
HRVar_NN50	Welch	8.053	1	63.663	.006
NASA_MD	Welch	.978	1	46.721	.328
NASA_PD	Welch	.944	1	55.259	.335
NASA_TD	Welch	1.065	1	65.756	.306
NASA_Performance	Welch	3.095	1	62.688	.083
NASA_Effort	Welch	1.822	1	43.515	.184
NASA_Frustration	Welch	.419	1	58.508	.520
NASA_Score	Welch	.710	1	59.871	.403

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.085	1	.085	2.182	.144
	Within Groups	3.026	78	.039		
	Total	3.111	79			
Recall	Between Groups	.030	1	.030	.637	.427
	Within Groups	3.660	78	.047		
	Total	3.690	79			
FMeasure	Between Groups	.002	1	.002	.091	.764
	Within Groups	1.752	78	.022		
	Total	1.754	79			
Duration	Between Groups	2733115.301	1	2733115.301	6.501	.013
	Within Groups	32792021.687	78	420410.534		
	Total	35525136.988	79			
FirstActDet	Between Groups	278648.163	1	278648.163	8.578	.004
	Within Groups	2533699.787	78	32483.331		
	Total	2812347.950	79			
LastActDet	Between Groups	1813207.763	1	1813207.763	4.176	.044
	Within Groups	33864318.187	78	434157.925		
	Total	35677525.950	79			
ProcDur	Between Groups	94040.107	1	94040.107	1.006	.319
	Within Groups	7290964.780	78	93473.907		
	Total	7385004.887	79			
FixRel	Between Groups	6.650	1	6.650	6.684	.012
	Within Groups	77.598	78	.995		
	Total	84.248	79			
FixIrrel	Between Groups	1.214	1	1.214	.079	.780
	Within Groups	1203.833	78	15.434		
	Total	1205.047	79			
AvDurRelFix	Between Groups	1515732.666	1	1515732.666	13.082	.001
	Within Groups	9037233.004	78	115861.962		
	Total	10552965.670	79			
AvDurIrrelFix	Between Groups	73172.673	1	73172.673	.696	.407
	Within Groups	8198799.031	78	105112.808		
	Total	8271971.703	79			
TotSac	Between Groups	2354.801	1	2354.801	5.808	.018
	Within Groups	31625.687	78	405.458		
	Total	33980.487	79			
Sac2Key	Between Groups	5812.401	1	5812.401	7.625	.007
	Within Groups	59455.087	78	762.245		
	Total	65267.488	79			
AvAttention	Between Groups	.046	1	.046	1.833	.180
	Within Groups	1.942	78	.025		
	Total	1.988	79			
AvMentWL	Between Groups	.112	1	.112	3.181	.078
	Within Groups	2.750	78	.035		
	Total	2.862	79			
AvFam	Between Groups	.095	1	.095	4.685	.033
	Within Groups	1.588	78	.020		
	Total	1.684	79			
AvSCL	Between Groups	10890.188	1	10890.188	.503	.480
	Within Groups	1687510.700	78	21634.753		

	Total	1698400.888	79			
HRVar_RMSSD	Between Groups	225.307	1	225.307	.433	.513
	Within Groups	40603.532	78	520.558		
	Total	40828.840	79			
HRVar_NN50	Between Groups	3219.587	1	3219.587	7.850	.006
	Within Groups	31989.505	78	410.122		
	Total	35209.092	79			
NASA_MD	Between Groups	212.521	1	212.521	1.156	.286
	Within Groups	14342.167	78	183.874		
	Total	14554.688	79			
NASA_PD	Between Groups	252.083	1	252.083	1.006	.319
	Within Groups	19546.667	78	250.598		
	Total	19798.750	79			
NASA_TD	Between Groups	728.521	1	728.521	1.016	.317
	Within Groups	55921.167	78	716.938		
	Total	56649.688	79			
NASA_Performance	Between Groups	2715.021	1	2715.021	3.048	.085
	Within Groups	69482.167	78	890.797		
	Total	72197.188	79			
NASA_Effort	Between Groups	667.521	1	667.521	2.253	.137
	Within Groups	23112.167	78	296.310		
	Total	23779.688	79			
NASA_Frustration	Between Groups	305.021	1	305.021	.431	.513
	Within Groups	55167.167	78	707.271		
	Total	55472.188	79			
NASA_Score	Between Groups	285.997	1	285.997	.720	.399
	Within Groups	30966.753	78	397.010		
	Total	31252.750	79			

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

Dependent Variable	Task	Motivation	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Review	Abby	.460 ^a	.053	.355	.565
		Tim	.281 ^a	.027	.228	.335
	iStar 2.0 Review	Abby	.342 ^a	.035	.272	.413
		Tim	.263 ^a	.038	.188	.339
Recall	i* 1.0 Review	Abby	.535 ^a	.073	.388	.682
		Tim	.356 ^a	.037	.281	.431
	iStar 2.0 Review	Abby	.347 ^a	.049	.248	.445
		Tim	.488 ^a	.053	.382	.594
FMeasure	i* 1.0 Review	Abby	.481 ^a	.054	.372	.589
		Tim	.267 ^a	.028	.212	.323
	iStar 2.0 Review	Abby	.207 ^a	.036	.135	.280
		Tim	.273 ^a	.039	.195	.351
Duration	i* 1.0 Review	Abby	1161.438 ^a	165.995	828.776	1494.099
		Tim	1261.179 ^a	84.387	1092.064	1430.295
	iStar 2.0 Review	Abby	1745.405 ^a	111.012	1522.932	1967.878
		Tim	1874.100 ^a	119.375	1634.867	2113.333
FirstActDet	i* 1.0 Review	Abby	478.125 ^a	48.954	380.020	576.230
		Tim	497.006 ^a	24.887	447.132	546.880
	iStar 2.0 Review	Abby	649.452 ^a	32.739	583.843	715.062
		Tim	641.639 ^a	35.205	571.087	712.191
LastActDet	i* 1.0 Review	Abby	1129.375 ^a	152.292	824.174	1434.576
		Tim	1246.752 ^a	77.421	1091.597	1401.908
	iStar 2.0 Review	Abby	1327.110 ^a	101.848	1123.002	1531.218
		Tim	1468.494 ^a	109.521	1249.010	1687.979
ProcDur	i* 1.0 Review	Abby	32.063 ^a	90.091	-148.483	212.608
		Tim	14.427 ^a	45.799	-77.357	106.212
	iStar 2.0 Review	Abby	418.295 ^a	60.250	297.552	539.038
		Tim	405.606 ^a	64.788	275.767	535.444
FixRel	i* 1.0 Review	Abby	5.167 ^a	.233	4.700	5.635
		Tim	5.006 ^a	.119	4.769	5.244
	iStar 2.0 Review	Abby	3.190 ^a	.156	2.877	3.502
		Tim	3.470 ^a	.168	3.134	3.806
FixIrrel	i* 1.0 Review	Abby	5.697 ^a	1.382	2.927	8.466
		Tim	6.062 ^a	.703	4.654	7.470
	iStar 2.0 Review	Abby	7.245 ^a	.924	5.393	9.097
		Tim	3.663 ^a	.994	1.671	5.655
AvDurRelFix	i* 1.0 Review	Abby	558.109 ^a	77.747	402.300	713.918
		Tim	583.045 ^a	39.524	503.836	662.254
	iStar 2.0 Review	Abby	984.638 ^a	51.995	880.438	1088.838
		Tim	1036.371 ^a	55.912	924.321	1148.420
AvDurlIrrelFix	i* 1.0 Review	Abby	846.328 ^a	121.613	602.610	1090.046

		Tim	921.135 ^a	61.825	797.235	1045.034
TotSac	iStar 2.0 Review	Abby	975.476 ^a	81.331	812.486	1138.466
		Tim	1178.911 ^a	87.458	1003.643	1354.180
TotSac	i* 1.0 Review	Abby	136.437 ^a	4.250	127.921	144.954
		Tim	135.449 ^a	2.160	131.119	139.778
Sac2Key	iStar 2.0 Review	Abby	96.257 ^a	2.842	90.562	101.953
		Tim	94.167 ^a	3.056	88.042	100.291
Sac2Key	i* 1.0 Review	Abby	117.062 ^a	3.815	109.417	124.708
		Tim	113.972 ^a	1.939	110.085	117.858
AvAttention	iStar 2.0 Review	Abby	56.852 ^a	2.551	51.740	61.965
		Tim	56.583 ^a	2.743	51.085	62.081
AvAttention	i* 1.0 Review	Abby	.856 ^a	.062	.731	.981
		Tim	.784 ^a	.032	.721	.848
AvAttention	iStar 2.0 Review	Abby	.741 ^a	.042	.657	.825
		Tim	.807 ^a	.045	.717	.897
AvMentWL	i* 1.0 Review	Abby	.825 ^a	.069	.688	.962
		Tim	.848 ^a	.035	.778	.918
AvMentWL	iStar 2.0 Review	Abby	.758 ^a	.046	.666	.849
		Tim	.683 ^a	.049	.584	.782
AvFam	i* 1.0 Review	Abby	.562 ^a	.064	.435	.690
		Tim	.513 ^a	.032	.448	.578
AvFam	iStar 2.0 Review	Abby	.422 ^a	.043	.337	.508
		Tim	.504 ^a	.046	.412	.596
AvSCL	i* 1.0 Review	Abby	579.750 ^a	50.525	478.496	681.004
		Tim	625.848 ^a	25.685	574.373	677.322
AvSCL	iStar 2.0 Review	Abby	807.248 ^a	33.789	739.532	874.963
		Tim	821.594 ^a	36.335	748.778	894.411
HRVar_RMSSD	i* 1.0 Review	Abby	30.097 ^a	8.539	12.985	47.210
		Tim	41.406 ^a	4.341	32.707	50.106
HRVar_RMSSD	iStar 2.0 Review	Abby	50.750 ^a	5.711	39.306	62.195
		Tim	46.994 ^a	6.141	34.687	59.301
HRVar_NN50	i* 1.0 Review	Abby	14.872 ^a	6.658	1.529	28.215
		Tim	25.057 ^a	3.385	18.274	31.841
HRVar_NN50	iStar 2.0 Review	Abby	46.478 ^a	4.453	37.555	55.401
		Tim	32.296 ^a	4.788	22.700	41.892
NASA_MD	i* 1.0 Review	Abby	70.938 ^a	5.169	60.578	81.297
		Tim	84.673 ^a	2.628	79.406	89.939
NASA_MD	iStar 2.0 Review	Abby	91.857 ^a	3.457	84.929	98.785
		Tim	91.111 ^a	3.717	83.661	98.561
NASA_PD	i* 1.0 Review	Abby	27.500 ^a	5.917	15.642	39.358
		Tim	21.478 ^a	3.008	15.450	27.506
NASA_PD	iStar 2.0 Review	Abby	24.619 ^a	3.957	16.689	32.549
		Tim	22.528 ^a	4.255	14.000	31.055
NASA_TD	i* 1.0 Review	Abby	45.938 ^a	9.472	26.955	64.920
		Tim	50.250 ^a	4.815	40.600	59.900

	iStar 2.0 Review	Abby	50.857 ^a	6.335	38.162	63.552
		Tim	60.056 ^a	6.812	46.404	73.707
NASA_Performance	i* 1.0 Review	Abby	26.875 ^a	8.524	9.793	43.957
		Tim	25.699 ^a	4.333	17.015	34.384
	iStar 2.0 Review	Abby	57.786 ^a	5.701	46.362	69.210
		Tim	66.306 ^a	6.130	54.021	78.590
NASA_Effort	i* 1.0 Review	Abby	56.563 ^a	6.942	42.651	70.474
		Tim	78.805 ^a	3.529	71.733	85.877
	iStar 2.0 Review	Abby	82.929 ^a	4.642	73.625	92.232
		Tim	80.556 ^a	4.992	70.551	90.560
NASA_Frustration	i* 1.0 Review	Abby	53.438 ^a	7.063	39.283	67.592
		Tim	56.298 ^a	3.591	49.102	63.493
	iStar 2.0 Review	Abby	76.000 ^a	4.723	66.534	85.466
		Tim	72.778 ^a	5.079	62.599	82.957
NASA_Score	i* 1.0 Review	Abby	46.875 ^a	5.409	36.036	57.714
		Tim	52.867 ^a	2.750	47.357	58.377
	iStar 2.0 Review	Abby	72.903 ^a	3.617	65.654	80.152
		Tim	75.918 ^a	3.890	68.122	83.713

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag information processing facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	7.325	1	41.573	.010
Recall	Welch	.868	1	35.401	.358
FMeasure	Welch	8.458	1	38.350	.006
Duration	Welch	24.175	1	29.924	.000
FirstActDet	Welch	25.078	1	31.749	.000
LastActDet	Welch	34.558	1	29.767	.000
ProcDur	Welch	3.538	1	77.898	.064
FixRel	Welch	9.387	1	47.840	.004
FixIrrel	Welch	36.938	1	70.891	.000
AvDurRelFix	Welch	45.296	1	25.999	.000
AvDurIrrelFix	Welch	2.097	1	35.433	.156
TotSac	Welch	5.826	1	54.750	.019
Sac2Key	Welch	11.241	1	52.783	.001
AvAttention	Welch	9.612	1	39.159	.004
AvMentWL	Welch	18.399	1	35.996	.000
AvFam	Welch	1.856	1	35.780	.182
AvSCL	Welch	1.555	1	44.661	.219
HRVar_RMSSD	Welch	.260	1	44.418	.612
HRVar_NN50	Welch	14.689	1	43.754	.000
NASA_MD	Welch	3.297	1	36.856	.078
NASA_PD	Welch	.180	1	68.265	.673
NASA_TD	Welch	.293	1	56.900	.590
NASA_Performance	Welch	9.994	1	45.351	.003
NASA_Effort	Welch	2.413	1	34.450	.130
NASA_Frustration	Welch	.490	1	35.286	.488
NASA_Score	Welch	.105	1	47.468	.747

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.278	1	.278	7.645	.007
	Within Groups	2.833	78	.036		
	Total	3.111	79			
Recall	Between Groups	.050	1	.050	1.063	.306
	Within Groups	3.640	78	.047		
	Total	3.690	79			
FMeasure	Between Groups	.191	1	.191	9.534	.003
	Within Groups	1.563	78	.020		
	Total	1.754	79			
Duration	Between Groups	11275501.601	1	11275501.601	36.268	.000
	Within Groups	24249635.387	78	310892.761		
	Total	35525136.988	79			
FirstActDet	Between Groups	868322.402	1	868322.402	34.840	.000
	Within Groups	1944025.548	78	24923.404		
	Total	2812347.950	79			
LastActDet	Between Groups	14306869.736	1	14306869.736	52.218	.000
	Within Groups	21370656.214	78	273982.772		
	Total	35677525.950	79			
ProcDur	Between Groups	180235.001	1	180235.001	1.951	.166
	Within Groups	7204769.887	78	92368.845		
	Total	7385004.887	79			
FixRel	Between Groups	8.425	1	8.425	8.667	.004
	Within Groups	75.823	78	.972		
	Total	84.248	79			
FixIrrel	Between Groups	225.229	1	225.229	17.930	.000
	Within Groups	979.818	78	12.562		
	Total	1205.047	79			
AvDurRelFix	Between Groups	5480556.641	1	5480556.641	84.276	.000
	Within Groups	5072409.028	78	65030.885		
	Total	10552965.670	79			
AvDurlrelFix	Between Groups	263426.566	1	263426.566	2.566	.113
	Within Groups	8008545.137	78	102673.656		
	Total	8271971.703	79			
TotSac	Between Groups	1978.172	1	1978.172	4.821	.031
	Within Groups	32002.315	78	410.286		
	Total	33980.488	79			
Sac2Key	Between Groups	7138.315	1	7138.315	9.578	.003
	Within Groups	58129.173	78	745.246		
	Total	65267.488	79			
AvAttention	Between Groups	.238	1	.238	10.616	.002
	Within Groups	1.749	78	.022		
	Total	1.987	79			
AvMentWL	Between Groups	.633	1	.633	22.133	.000
	Within Groups	2.229	78	.029		
	Total	2.862	79			
AvFam	Between Groups	.047	1	.047	2.247	.138
	Within Groups	1.637	78	.021		
	Total	1.684	79			
AvSCL	Between Groups	32516.001	1	32516.001	1.522	.221
	Within Groups	1665884.887	78	21357.499		

	Total	1698400.887	79			
HRVar_RMSSD	Between Groups	133.651	1	133.651	.256	.614
	Within Groups	40695.188	78	521.733		
	Total	40828.840	79			
HRVar_NN50	Between Groups	5564.177	1	5564.177	14.640	.000
	Within Groups	29644.915	78	380.063		
	Total	35209.092	79			
NASA_MD	Between Groups	687.872	1	687.872	3.869	.053
	Within Groups	13866.815	78	177.780		
	Total	14554.688	79			
NASA_PD	Between Groups	31.488	1	31.488	.124	.725
	Within Groups	19767.262	78	253.426		
	Total	19798.750	79			
NASA_TD	Between Groups	170.372	1	170.372	.235	.629
	Within Groups	56479.315	78	724.094		
	Total	56649.688	79			
NASA_Performance	Between Groups	7951.801	1	7951.801	9.654	.003
	Within Groups	64245.387	78	823.659		
	Total	72197.188	79			
NASA_Effort	Between Groups	893.229	1	893.229	3.044	.085
	Within Groups	22886.458	78	293.416		
	Total	23779.688	79			
NASA_Frustration	Between Groups	425.015	1	425.015	.602	.440
	Within Groups	55047.173	78	705.733		
	Total	55472.188	79			
NASA_Score	Between Groups	39.159	1	39.159	.098	.755
	Within Groups	31213.591	78	400.174		
	Total	31252.750	79			

Task * InformationProcessing - i* concrete syntaxes, GenderMag information processing facet, reviewing task

Dependent Variable	Task	InformationProcessing	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	i* 1.0 Review	Abby	.391 ^a	.025	.342	.441
		Tim	.190 ^a	.067	.056	.324
	iStar 2.0 Review	Abby	.369 ^a	.035	.299	.439
		Tim	.232 ^a	.038	.156	.308
Recall	i* 1.0 Review	Abby	.456 ^a	.035	.387	.525
		Tim	.295 ^a	.093	.108	.482
	iStar 2.0 Review	Abby	.408 ^a	.049	.310	.505
		Tim	.417 ^a	.053	.310	.524
FMeasure	i* 1.0 Review	Abby	.376 ^a	.026	.325	.427
		Tim	.227 ^a	.069	.089	.365
	iStar 2.0 Review	Abby	.256 ^a	.036	.184	.328
		Tim	.216 ^a	.039	.137	.295
Duration	i* 1.0 Review	Abby	1192.076 ^a	78.240	1035.281	1348.872
		Tim	1335.500 ^a	211.027	912.593	1758.407
	iStar 2.0 Review	Abby	1483.776 ^a	110.025	1263.281	1704.272
		Tim	2179.333 ^a	120.612	1937.622	2421.045
FirstActDet	i* 1.0 Review	Abby	465.116 ^a	23.074	418.876	511.357
		Tim	567.500 ^a	62.234	442.780	692.220
	iStar 2.0 Review	Abby	549.690 ^a	32.447	484.664	614.717
		Tim	758.028 ^a	35.570	686.745	829.311
LastActDet	i* 1.0 Review	Abby	1171.946 ^a	71.781	1028.094	1315.799
		Tim	1314.667 ^a	193.607	926.670	1702.664
	iStar 2.0 Review	Abby	871.590 ^a	100.943	669.297	1073.884
		Tim	1999.933 ^a	110.656	1778.175	2221.692
ProcDur	i* 1.0 Review	Abby	20.130 ^a	42.463	-64.968	105.228
		Tim	20.833 ^a	114.531	-208.691	250.358
	iStar 2.0 Review	Abby	612.186 ^a	59.714	492.516	731.855
		Tim	179.400 ^a	65.460	48.216	310.584
FixRel	i* 1.0 Review	Abby	4.955 ^a	.110	4.735	5.175
		Tim	5.375 ^a	.296	4.781	5.969
	iStar 2.0 Review	Abby	3.243 ^a	.155	2.934	3.553
		Tim	3.407 ^a	.169	3.068	3.747
FixIrrel	i* 1.0 Review	Abby	6.879 ^a	.651	5.574	8.184
		Tim	3.123 ^a	1.757	-.398	6.644
	iStar 2.0 Review	Abby	7.681 ^a	.916	5.846	9.517
		Tim	3.154 ^a	1.004	1.141	5.166
AvDurRelFix	i* 1.0 Review	Abby	565.769 ^a	36.645	492.331	639.207
		Tim	601.625 ^a	98.839	403.548	799.702
	iStar 2.0 Review	Abby	740.792 ^a	51.533	637.519	844.066
		Tim	1320.857 ^a	56.491	1207.647	1434.068

AvDurlrelFix	i* 1.0 Review	Abby	869.307 ^a	57.321	754.434	984.180
		Tim	976.875 ^a	154.604	667.041	1286.709
	iStar 2.0 Review	Abby	1293.945 ^a	80.608	1132.403	1455.486
		Tim	807.364 ^a	88.364	630.279	984.449
TotSac	i* 1.0 Review	Abby	134.038 ^a	2.003	130.024	138.052
		Tim	141.000 ^a	5.403	130.173	151.827
	iStar 2.0 Review	Abby	90.119 ^a	2.817	84.474	95.764
		Tim	101.328 ^a	3.088	95.140	107.516
Sac2Key	i* 1.0 Review	Abby	113.780 ^a	1.798	110.177	117.384
		Tim	118.667 ^a	4.850	108.948	128.386
	iStar 2.0 Review	Abby	54.190 ^a	2.529	49.123	59.258
		Tim	59.689 ^a	2.772	54.134	65.244
AvAttention	i* 1.0 Review	Abby	.833 ^a	.029	.774	.892
		Tim	.733 ^a	.079	.574	.892
	iStar 2.0 Review	Abby	.820 ^a	.041	.737	.903
		Tim	.714 ^a	.045	.624	.805
AvMentWL	i* 1.0 Review	Abby	.826 ^a	.032	.761	.891
		Tim	.883 ^a	.087	.709	1.058
	iStar 2.0 Review	Abby	.838 ^a	.045	.747	.929
		Tim	.589 ^a	.050	.490	.689
AvFam	i* 1.0 Review	Abby	.517 ^a	.030	.457	.577
		Tim	.567 ^a	.081	.404	.729
	iStar 2.0 Review	Abby	.465 ^a	.042	.381	.550
		Tim	.454 ^a	.046	.361	.547
AvSCL	i* 1.0 Review	Abby	634.809 ^a	23.814	587.084	682.534
		Tim	537.500 ^a	64.232	408.777	666.223
	iStar 2.0 Review	Abby	828.986 ^a	33.489	761.872	896.099
		Tim	796.233 ^a	36.711	722.662	869.805
HRVar_RMSSD	i* 1.0 Review	Abby	39.548 ^a	4.025	31.482	47.614
		Tim	31.903 ^a	10.856	10.148	53.659
	iStar 2.0 Review	Abby	56.542 ^a	5.660	45.199	67.885
		Tim	40.237 ^a	6.205	27.803	52.671
HRVar_NN50	i* 1.0 Review	Abby	23.912 ^a	3.138	17.623	30.201
		Tim	14.912 ^a	8.464	-2.051	31.874
	iStar 2.0 Review	Abby	32.136 ^a	4.413	23.292	40.980
		Tim	49.028 ^a	4.838	39.333	58.723
NASA_MD	i* 1.0 Review	Abby	80.959 ^a	2.436	76.076	85.842
		Tim	77.500 ^a	6.571	64.331	90.669
	iStar 2.0 Review	Abby	94.524 ^a	3.426	87.658	101.390
		Tim	88.000 ^a	3.756	80.473	95.527
NASA_PD	i* 1.0 Review	Abby	18.258 ^a	2.789	12.669	23.847
		Tim	39.167 ^a	7.522	24.092	54.241
	iStar 2.0 Review	Abby	24.548 ^a	3.922	16.688	32.407
		Tim	22.611 ^a	4.299	13.995	31.227
NASA_TD	i* 1.0 Review	Abby	47.028 ^a	4.465	38.081	55.975

	Tim	54.167 ^a	12.042	30.035	78.299
NASA_Performance	iStar 2.0 Review	Abby	59.571 ^a	6.278	46.989
		Tim	49.889 ^a	6.882	36.096
NASA_Performance	i* 1.0 Review	Abby	27.288 ^a	4.018	19.237
		Tim	22.500 ^a	10.836	.783
NASA_Effort	iStar 2.0 Review	Abby	52.786 ^a	5.650	41.463
		Tim	72.139 ^a	6.194	59.727
NASA_Frustration	i* 1.0 Review	Abby	72.132 ^a	3.272	65.575
		Tim	69.167 ^a	8.825	51.481
NASA_Frustration	iStar 2.0 Review	Abby	84.048 ^a	4.601	74.827
		Tim	79.250 ^a	5.044	69.142
NASA_Score	i* 1.0 Review	Abby	58.515 ^a	3.329	51.843
		Tim	45.833 ^a	8.979	27.839
NASA_Score	iStar 2.0 Review	Abby	84.048 ^a	4.682	74.666
		Tim	63.389 ^a	5.132	53.104
NASA_Score	i* 1.0 Review	Abby	50.697 ^a	2.549	45.588
		Tim	51.389 ^a	6.876	37.609
NASA_Score	iStar 2.0 Review	Abby	80.279 ^a	3.585	73.095
		Tim	67.312 ^a	3.930	59.437
a. Based on modified population marginal mean.					

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

		Statistic ^a	df1	df2	Sig.
Precision	Welch	11.886	1	71.595	.001
Recall	Welch	.577	1	77.805	.450
FMeasure	Welch	4.245	1	74.279	.043
Duration	Welch	4.093	1	74.598	.047
FirstActDet	Welch	5.311	1	77.985	.024
LastActDet	Welch	6.190	1	69.330	.015
ProcDur	Welch	.779	1	65.326	.381
FixRel	Welch	2.247	1	77.416	.138
FixIrrel	Welch	7.019	1	62.619	.010
AvDurRelFix	Welch	10.439	1	70.465	.002
AvDurIrrelFix	Welch	1.560	1	73.847	.216
TotSac	Welch	2.993	1	75.923	.088
Sac2Key	Welch	2.327	1	76.042	.131
AvAttention	Welch	8.727	1	76.286	.004
AvMentWL	Welch	1.228	1	76.659	.271
AvFam	Welch	.265	1	75.319	.608
AvSCL	Welch	9.772	1	74.840	.003
HRVar_RMSSD	Welch	1.964	1	71.886	.165
HRVar_NN50	Welch	10.145	1	75.255	.002
NASA_MD	Welch	5.671	1	77.895	.020
NASA_PD	Welch	2.083	1	50.044	.155
NASA_TD	Welch	5.795	1	67.111	.019
NASA_Performance	Welch	.084	1	77.939	.773
NASA_Effort	Welch	4.852	1	77.914	.031
NASA_Frustration	Welch	5.981	1	77.962	.017
NASA_Score	Welch	2.934	1	76.041	.091

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.419	1	.419	12.129	.001
	Within Groups	2.692	78	.035		
	Total	3.111	79			
Recall	Between Groups	.027	1	.027	.568	.453
	Within Groups	3.663	78	.047		
	Total	3.690	79			
FMeasure	Between Groups	.092	1	.092	4.298	.041
	Within Groups	1.662	78	.021		
	Total	1.754	79			
Duration	Between Groups	1719095.583	1	1719095.583	3.966	.050
	Within Groups	33806041.405	78	433410.787		
	Total	35525136.987	79			
FirstActDet	Between Groups	177813.729	1	177813.729	5.264	.024
	Within Groups	2634534.221	78	33776.080		
	Total	2812347.950	79			
LastActDet	Between Groups	2515760.993	1	2515760.993	5.917	.017
	Within Groups	33161764.957	78	425150.833		
	Total	35677525.950	79			
ProcDur	Between Groups	75609.716	1	75609.716	.807	.372
	Within Groups	7309395.172	78	93710.195		
	Total	7385004.887	79			
FixRel	Between Groups	2.355	1	2.355	2.243	.138
	Within Groups	81.892	78	1.050		
	Total	84.248	79			
FixIrrel	Between Groups	103.272	1	103.272	7.311	.008
	Within Groups	1101.776	78	14.125		
	Total	1205.047	79			
AvDurRelFix	Between Groups	1199674.357	1	1199674.357	10.004	.002
	Within Groups	9353291.312	78	119913.991		
	Total	10552965.670	79			
AvDurIrrelFix	Between Groups	164393.457	1	164393.457	1.582	.212
	Within Groups	8107578.247	78	103943.311		
	Total	8271971.703	79			
TotSac	Between Groups	1263.634	1	1263.634	3.013	.087
	Within Groups	32716.853	78	419.447		
	Total	33980.487	79			
Sac2Key	Between Groups	1901.619	1	1901.619	2.341	.130
	Within Groups	63365.868	78	812.383		
	Total	65267.488	79			
AvAttention	Between Groups	.196	1	.196	8.510	.005
	Within Groups	1.792	78	.023		
	Total	1.987	79			
AvMentWL	Between Groups	.043	1	.043	1.200	.277
	Within Groups	2.819	78	.036		
	Total	2.862	79			
AvFam	Between Groups	.006	1	.006	.258	.613
	Within Groups	1.678	78	.022		
	Total	1.684	79			
AvSCL	Between Groups	190880.177	1	190880.177	9.876	.002
	Within Groups	1507520.711	78	19327.189		

	Total	1698400.887	79			
HRVar_RMSSD	Between Groups	1022.129	1	1022.129	2.003	.161
	Within Groups	39806.710	78	510.342		
	Total	40828.840	79			
HRVar_NN50	Between Groups	4085.111	1	4085.111	10.238	.002
	Within Groups	31123.980	78	399.025		
	Total	35209.092	79			
NASA_MD	Between Groups	973.704	1	973.704	5.592	.021
	Within Groups	13580.984	78	174.115		
	Total	14554.687	79			
NASA_PD	Between Groups	550.003	1	550.003	2.229	.139
	Within Groups	19248.747	78	246.779		
	Total	19798.750	79			
NASA_TD	Between Groups	4032.238	1	4032.238	5.977	.017
	Within Groups	52617.450	78	674.583		
	Total	56649.688	79			
NASA_Performance	Between Groups	76.730	1	76.730	.083	.774
	Within Groups	72120.457	78	924.621		
	Total	72197.188	79			
NASA_Effort	Between Groups	1375.020	1	1375.020	4.787	.032
	Within Groups	22404.668	78	287.239		
	Total	23779.688	79			
NASA_Frustration	Between Groups	3905.302	1	3905.302	5.907	.017
	Within Groups	51566.886	78	661.114		
	Total	55472.188	79			
NASA_Score	Between Groups	1139.404	1	1139.404	2.951	.090
	Within Groups	30113.346	78	386.069		
	Total	31252.750	79			

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

Dependent Variable	Task	SelfEfficacy	Mean	95% Confidence Interval		
				Std. Error	Lower Bound	Upper Bound
Precision	i* 1.0 Review	Abby	.365 ^a	.031	.303	.426
		Tim	.293 ^a	.043	.208	.379
	iStar 2.0 Review	Abby	.379 ^a	.042	.294	.463
		Tim	.243 ^a	.031	.181	.306
Recall	i* 1.0 Review	Abby	.414 ^a	.043	.328	.501
		Tim	.419 ^a	.060	.299	.538
	iStar 2.0 Review	Abby	.340 ^a	.059	.221	.458
		Tim	.474 ^a	.044	.386	.561
FMeasure	i* 1.0 Review	Abby	.345 ^a	.032	.282	.409
		Tim	.325 ^a	.044	.237	.413
	iStar 2.0 Review	Abby	.240 ^a	.044	.153	.328
		Tim	.235 ^a	.032	.171	.300
Duration	i* 1.0 Review	Abby	1226.321 ^a	97.350	1031.227	1421.415
		Tim	1231.155 ^a	134.652	961.307	1501.002
	iStar 2.0 Review	Abby	1988.139 ^a	133.465	1720.669	2255.609
		Tim	1647.657 ^a	98.520	1450.218	1845.096
FirstActDet	i* 1.0 Review	Abby	494.333 ^a	28.709	436.798	551.868
		Tim	483.470 ^a	39.710	403.890	563.051
	iStar 2.0 Review	Abby	703.722 ^a	39.360	624.843	782.602
		Tim	596.238 ^a	29.055	538.011	654.465
LastActDet	i* 1.0 Review	Abby	1205.023 ^a	89.314	1026.034	1384.012
		Tim	1212.833 ^a	123.536	965.261	1460.405
	iStar 2.0 Review	Abby	1457.139 ^a	122.448	1211.748	1702.530
		Tim	1336.843 ^a	90.388	1155.702	1517.983
ProcDur	i* 1.0 Review	Abby	21.298 ^a	52.835	-84.585	127.181
		Tim	18.321 ^a	73.079	-128.133	164.776
	iStar 2.0 Review	Abby	531.000 ^a	72.436	385.836	676.164
		Tim	310.814 ^a	53.470	203.658	417.970
FixRel	i* 1.0 Review	Abby	5.131 ^a	.137	4.857	5.405
		Tim	4.918 ^a	.189	4.539	5.297
	iStar 2.0 Review	Abby	3.387 ^a	.187	3.012	3.763
		Tim	3.261 ^a	.138	2.983	3.538
FixIrrel	i* 1.0 Review	Abby	6.565 ^a	.810	4.940	8.189
		Tim	4.691 ^a	1.121	2.444	6.937
	iStar 2.0 Review	Abby	5.486 ^a	1.111	3.259	7.712
		Tim	5.683 ^a	.820	4.039	7.326
AvDurRelFix	i* 1.0 Review	Abby	574.330 ^a	45.596	482.954	665.706
		Tim	575.539 ^a	63.067	449.150	701.927
	iStar 2.0 Review	Abby	1000.325 ^a	62.511	875.050	1125.600
		Tim	1015.534 ^a	46.144	923.059	1108.008
AvDurlIrrelFix	i* 1.0 Review	Abby	894.991 ^a	71.322	752.059	1037.922

		Tim	898.616 ^a	98.650	700.918	1096.314
TotSac	iStar 2.0 Review	Abby	1227.479 ^a	97.780	1031.522	1423.435
		Tim	933.846 ^a	72.179	789.197	1078.496
Sac2Key	i* 1.0 Review	Abby	135.540 ^a	2.492	130.545	140.534
		Tim	136.256 ^a	3.447	129.347	143.164
	iStar 2.0 Review	Abby	95.639 ^a	3.417	88.791	102.487
		Tim	94.995 ^a	2.522	89.941	100.050
AvAttention	i* 1.0 Review	Abby	113.687 ^a	2.237	109.204	118.171
		Tim	117.631 ^a	3.095	111.429	123.832
	iStar 2.0 Review	Abby	56.306 ^a	3.067	50.159	62.452
		Tim	57.090 ^a	2.264	52.553	61.628
AvMentWL	i* 1.0 Review	Abby	.808 ^a	.037	.735	.882
		Tim	.808 ^a	.051	.706	.909
	iStar 2.0 Review	Abby	.850 ^a	.050	.749	.951
		Tim	.704 ^a	.037	.630	.778
AvFam	i* 1.0 Review	Abby	.835 ^a	.040	.754	.916
		Tim	.851 ^a	.056	.740	.963
	iStar 2.0 Review	Abby	.697 ^a	.055	.587	.808
		Tim	.745 ^a	.041	.664	.827
AvSCL	i* 1.0 Review	Abby	.524 ^a	.037	.449	.598
		Tim	.542 ^a	.052	.438	.645
	iStar 2.0 Review	Abby	.453 ^a	.051	.350	.555
		Tim	.466 ^a	.038	.390	.542
HRVar_RMSSD	i* 1.0 Review	Abby	600.779 ^a	29.631	541.397	660.161
		Tim	629.887 ^a	40.985	547.752	712.022
	iStar 2.0 Review	Abby	750.000 ^a	40.624	668.588	831.412
		Tim	868.614 ^a	29.987	808.519	928.710
HRVar_NN50	i* 1.0 Review	Abby	33.203 ^a	5.008	23.167	43.239
		Tim	46.505 ^a	6.927	32.623	60.386
	iStar 2.0 Review	Abby	50.738 ^a	6.866	36.978	64.497
		Tim	47.542 ^a	5.068	37.385	57.698
NASA_MD	i* 1.0 Review	Abby	18.173 ^a	3.905	10.347	25.998
		Tim	28.641 ^a	5.401	17.817	39.465
	iStar 2.0 Review	Abby	40.074 ^a	5.353	29.346	50.802
		Tim	39.811 ^a	3.952	31.892	47.730
NASA_PD	i* 1.0 Review	Abby	82.552 ^a	3.031	76.477	88.627
		Tim	75.179 ^a	4.193	66.776	83.582
	iStar 2.0 Review	Abby	98.611 ^a	4.156	90.282	106.940
		Tim	85.429 ^a	3.068	79.280	91.577
NASA_TD	i* 1.0 Review	Abby	27.906 ^a	3.470	20.952	34.860
		Tim	14.643 ^a	4.800	5.024	24.261
	iStar 2.0 Review	Abby	25.556 ^a	4.757	16.022	35.089
		Tim	22.024 ^a	3.512	14.986	29.061

	iStar 2.0 Review	Abby	65.417 ^a	7.616	50.154	80.679
		Tim	46.262 ^a	5.622	34.996	57.528
NASA_Performance	i* 1.0 Review	Abby	30.625 ^a	4.999	20.607	40.643
		Tim	17.024 ^a	6.914	3.167	30.881
	iStar 2.0 Review	Abby	67.500 ^a	6.854	53.765	81.235
		Tim	56.762 ^a	5.059	46.623	66.901
NASA_Effort	i* 1.0 Review	Abby	73.604 ^a	4.071	65.445	81.763
		Tim	66.964 ^a	5.631	55.679	78.249
	iStar 2.0 Review	Abby	89.722 ^a	5.581	78.537	100.908
		Tim	75.071 ^a	4.120	66.815	83.328
NASA_Frustration	i* 1.0 Review	Abby	58.656 ^a	4.142	50.355	66.957
		Tim	48.720 ^a	5.729	37.238	60.202
	iStar 2.0 Review	Abby	93.056 ^a	5.679	81.675	104.436
		Tim	58.619 ^a	4.192	50.218	67.020
NASA_Score	i* 1.0 Review	Abby	54.913 ^a	3.172	48.556	61.270
		Tim	42.783 ^a	4.387	33.990	51.575
	iStar 2.0 Review	Abby	86.407 ^a	4.349	77.692	95.122
		Tim	63.912 ^a	3.210	57.479	70.346

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag risk facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	34.295	1	43.597	.000
Recall	Welch	16.356	1	70.352	.000
FMeasure	Welch	.727	1	49.893	.398
Duration	Welch	17.824	1	43.269	.000
FirstActDet	Welch	12.380	1	41.464	.001
LastActDet	Welch	15.982	1	46.238	.000
ProcDur	Welch	.191	1	75.894	.663
FixRel	Welch	3.849	1	77.933	.053
FixIrrel	Welch	1.788	1	44.471	.188
AvDurRelFix	Welch	11.936	1	45.977	.001
AvDurIrrelFix	Welch	.823	1	68.658	.367
TotSac	Welch	2.215	1	77.288	.141
Sac2Key	Welch	1.954	1	77.263	.166
AvAttention	Welch	2.991	1	77.947	.088
AvMentWL	Welch	13.540	1	61.210	.000
AvFam	Welch	3.456	1	71.211	.067
AvSCL	Welch	.248	1	77.969	.620
HRVar_RMSSD	Welch	3.374	1	69.175	.071
HRVar_NN50	Welch	.765	1	69.876	.385
NASA_MD	Welch	.338	1	53.733	.563
NASA_PD	Welch	.321	1	57.152	.573
NASA_TD	Welch	8.374	1	60.224	.005
NASA_Performance	Welch	11.315	1	74.809	.001
NASA_Effort	Welch	.003	1	49.630	.955
NASA_Frustration	Welch	36.133	1	75.365	.000
NASA_Score	Welch	19.823	1	75.634	.000

a. Asymptotically F distributed.

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

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	1.070	1	1.070	40.899	.000
	Within Groups	2.041	78	.026		
	Total	3.111	79			
Recall	Between Groups	.650	1	.650	16.673	.000
	Within Groups	3.040	78	.039		
	Total	3.690	79			
FMeasure	Between Groups	.019	1	.019	.832	.365
	Within Groups	1.736	78	.022		
	Total	1.754	79			
Duration	Between Groups	7621677.787	1	7621677.787	21.305	.000
	Within Groups	27903459.200	78	357736.656		
	Total	35525136.987	79			
FirstActDet	Between Groups	453455.087	1	453455.087	14.994	.000
	Within Groups	2358892.863	78	30242.216		
	Total	2812347.950	79			
LastActDet	Between Groups	6905533.207	1	6905533.207	18.721	.000
	Within Groups	28771992.743	78	368871.702		
	Total	35677525.950	79			
ProcDur	Between Groups	17662.545	1	17662.545	.187	.667
	Within Groups	7367342.343	78	94453.107		
	Total	7385004.888	79			
FixRel	Between Groups	3.705	1	3.705	3.588	.062
	Within Groups	80.543	78	1.033		
	Total	84.248	79			
FixIrrel	Between Groups	31.881	1	31.881	2.120	.149
	Within Groups	1173.166	78	15.041		
	Total	1205.047	79			
AvDurRelFix	Between Groups	1606380.091	1	1606380.091	14.005	.000
	Within Groups	8946585.579	78	114699.815		
	Total	10552965.670	79			
AvDurIrrelFix	Between Groups	88956.259	1	88956.259	.848	.360
	Within Groups	8183015.444	78	104910.454		
	Total	8271971.703	79			
TotSac	Between Groups	902.716	1	902.716	2.129	.149
	Within Groups	33077.771	78	424.074		
	Total	33980.488	79			
Sac2Key	Between Groups	1534.516	1	1534.516	1.878	.174
	Within Groups	63732.971	78	817.089		
	Total	65267.487	79			
AvAttention	Between Groups	.069	1	.069	2.790	.099
	Within Groups	1.919	78	.025		
	Total	1.987	79			
AvMentWL	Between Groups	.450	1	.450	14.535	.000
	Within Groups	2.412	78	.031		
	Total	2.862	79			
AvFam	Between Groups	.072	1	.072	3.504	.065
	Within Groups	1.611	78	.021		
	Total	1.684	79			
AvSCL	Between Groups	5082.088	1	5082.088	.234	.630
	Within Groups	1693318.800	78	21709.215		

	Total	1698400.888	79			
HRVar_RMSSD	Between Groups	1735.959	1	1735.959	3.464	.066
	Within Groups	39092.881	78	501.191		
	Total	40828.840	79			
HRVar_NN50	Between Groups	349.612	1	349.612	.782	.379
	Within Groups	34859.480	78	446.916		
	Total	35209.092	79			
NASA_MD	Between Groups	70.243	1	70.243	.378	.540
	Within Groups	14484.444	78	185.698		
	Total	14554.688	79			
NASA_PD	Between Groups	89.067	1	89.067	.352	.554
	Within Groups	19709.683	78	252.688		
	Total	19798.750	79			
NASA_TD	Between Groups	5882.545	1	5882.545	9.038	.004
	Within Groups	50767.143	78	650.861		
	Total	56649.688	79			
NASA_Performance	Between Groups	8292.902	1	8292.902	10.122	.002
	Within Groups	63904.286	78	819.286		
	Total	72197.188	79			
NASA_Effort	Between Groups	1.116	1	1.116	.004	.952
	Within Groups	23778.571	78	304.853		
	Total	23779.688	79			
NASA_Frustration	Between Groups	16304.410	1	16304.410	32.469	.000
	Within Groups	39167.778	78	502.151		
	Total	55472.188	79			
NASA_Score	Between Groups	6233.613	1	6233.613	19.434	.000
	Within Groups	25019.137	78	320.758		
	Total	31252.750	79			

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

Dependent Variable	Task	Risk	Mean	95% Confidence Interval		
				Std. Error	Lower Bound	Upper Bound
Precision	i* 1.0 Review	Abby	.539 ^a	.044	.452	.626
		Tim	.199 ^a	.029	.140	.258
	iStar 2.0 Review	Abby	.423 ^a	.035	.353	.494
		Tim	.169 ^a	.038	.093	.244
Recall	i* 1.0 Review	Abby	.457 ^a	.061	.335	.579
		Tim	.386 ^a	.041	.304	.469
	iStar 2.0 Review	Abby	.236 ^a	.049	.137	.334
		Tim	.618 ^a	.053	.512	.723
FMeasure	i* 1.0 Review	Abby	.464 ^a	.045	.374	.554
		Tim	.249 ^a	.030	.188	.309
	iStar 2.0 Review	Abby	.234 ^a	.036	.161	.307
		Tim	.242 ^a	.039	.164	.320
Duration	i* 1.0 Review	Abby	1176.730 ^a	137.540	901.093	1452.367
		Tim	1264.505 ^a	92.988	1078.153	1450.858
	iStar 2.0 Review	Abby	2231.119 ^a	111.012	2008.646	2453.592
		Tim	1307.433 ^a	119.375	1068.201	1546.666
FirstActDet	i* 1.0 Review	Abby	467.350 ^a	40.562	386.062	548.638
		Tim	507.400 ^a	27.423	452.442	562.357
	iStar 2.0 Review	Abby	762.357 ^a	32.739	696.748	827.967
		Tim	509.917 ^a	35.205	439.365	580.469
LastActDet	i* 1.0 Review	Abby	1137.770 ^a	126.187	884.886	1390.654
		Tim	1257.524 ^a	85.312	1086.554	1428.493
	iStar 2.0 Review	Abby	1838.871 ^a	101.848	1634.763	2042.979
		Tim	871.439 ^a	109.521	651.955	1090.923
ProcDur	i* 1.0 Review	Abby	38.960 ^a	74.647	-110.637	188.557
		Tim	6.981 ^a	50.468	-94.158	108.120
	iStar 2.0 Review	Abby	392.248 ^a	60.250	271.505	512.990
		Tim	435.994 ^a	64.788	306.156	565.833
FixRel	i* 1.0 Review	Abby	4.913 ^a	.193	4.526	5.300
		Tim	5.165 ^a	.131	4.903	5.427
	iStar 2.0 Review	Abby	3.435 ^a	.156	3.123	3.748
		Tim	3.184 ^a	.168	2.848	3.520
FixIrrel	i* 1.0 Review	Abby	7.162 ^a	1.145	4.868	9.457
		Tim	5.067 ^a	.774	3.516	6.618
	iStar 2.0 Review	Abby	5.875 ^a	.924	4.023	7.727
		Tim	5.261 ^a	.994	3.269	7.252
AvDurRelFix	i* 1.0 Review	Abby	561.932 ^a	64.420	432.832	691.033
		Tim	583.876 ^a	43.553	496.594	671.158
	iStar 2.0 Review	Abby	1160.554 ^a	51.995	1056.354	1264.753
		Tim	831.136 ^a	55.912	719.086	943.185
AvDurlIrrelFix	i* 1.0 Review	Abby	857.797 ^a	100.766	655.858	1059.737

		Tim	923.629 ^a	68.126	787.101	1060.156
TotSac	iStar 2.0 Review	Abby	965.287 ^a	81.331	802.296	1128.277
		Tim	1190.799 ^a	87.458	1015.530	1366.067
TotSac	i* 1.0 Review	Abby	134.280 ^a	3.521	127.223	141.337
		Tim	136.849 ^a	2.381	132.078	141.620
Sac2Key	iStar 2.0 Review	Abby	99.400 ^a	2.842	93.704	105.096
		Tim	90.500 ^a	3.056	84.375	96.625
Sac2Key	i* 1.0 Review	Abby	114.750 ^a	3.161	108.415	121.085
		Tim	115.182 ^a	2.137	110.899	119.465
AvAttention	iStar 2.0 Review	Abby	60.757 ^a	2.551	55.644	65.870
		Tim	52.028 ^a	2.743	46.530	57.526
AvAttention	i* 1.0 Review	Abby	.810 ^a	.052	.706	.914
		Tim	.807 ^a	.035	.737	.877
AvAttention	iStar 2.0 Review	Abby	.755 ^a	.042	.672	.839
		Tim	.790 ^a	.045	.700	.880
AvMentWL	i* 1.0 Review	Abby	.796 ^a	.057	.682	.910
		Tim	.872 ^a	.038	.795	.949
AvMentWL	iStar 2.0 Review	Abby	.653 ^a	.046	.561	.745
		Tim	.805 ^a	.049	.706	.904
AvFam	i* 1.0 Review	Abby	.546 ^a	.053	.440	.652
		Tim	.518 ^a	.036	.446	.589
AvFam	iStar 2.0 Review	Abby	.432 ^a	.043	.347	.517
		Tim	.493 ^a	.046	.401	.585
AvSCL	i* 1.0 Review	Abby	596.780 ^a	41.864	512.883	680.677
		Tim	620.269 ^a	28.303	563.547	676.990
AvSCL	iStar 2.0 Review	Abby	764.724 ^a	33.789	697.008	832.439
		Tim	871.206 ^a	36.335	798.389	944.022
HRVar_RMSSD	i* 1.0 Review	Abby	24.455 ^a	7.075	10.276	38.635
		Tim	47.052 ^a	4.784	37.466	56.639
HRVar_RMSSD	iStar 2.0 Review	Abby	45.014 ^a	5.711	33.569	56.458
		Tim	53.687 ^a	6.141	41.380	65.994
HRVar_NN50	i* 1.0 Review	Abby	10.259 ^a	5.517	-.797	21.315
		Tim	29.807 ^a	3.730	22.333	37.282
HRVar_NN50	iStar 2.0 Review	Abby	47.774 ^a	4.453	38.851	56.698
		Tim	30.784 ^a	4.788	21.188	40.380
NASA_MD	i* 1.0 Review	Abby	78.500 ^a	4.283	69.917	87.083
		Tim	81.233 ^a	2.896	75.430	87.036
NASA_MD	iStar 2.0 Review	Abby	93.286 ^a	3.457	86.358	100.213
		Tim	89.444 ^a	3.717	81.995	96.894
NASA_PD	i* 1.0 Review	Abby	27.400 ^a	4.903	17.575	37.225
		Tim	20.689 ^a	3.315	14.046	27.331
NASA_PD	iStar 2.0 Review	Abby	23.429 ^a	3.957	15.499	31.359
		Tim	23.917 ^a	4.255	15.389	32.444
NASA_TD	i* 1.0 Review	Abby	64.400 ^a	7.848	48.672	80.128
		Tim	37.679 ^a	5.306	27.045	48.312

	iStar 2.0 Review	Abby	54.190 ^a	6.335	41.496	66.885
		Tim	56.167 ^a	6.812	42.516	69.818
NASA_Performance	i* 1.0 Review	Abby	41.750 ^a	7.063	27.596	55.904
		Tim	14.906 ^a	4.775	5.337	24.476
	iStar 2.0 Review	Abby	61.119 ^a	5.701	49.695	72.543
		Tim	62.417 ^a	6.130	50.132	74.701
NASA_Effort	i* 1.0 Review	Abby	65.600 ^a	5.752	54.073	77.127
		Tim	75.527 ^a	3.889	67.734	83.320
	iStar 2.0 Review	Abby	84.357 ^a	4.642	75.053	93.661
		Tim	78.889 ^a	4.992	68.884	88.893
NASA_Frustration	i* 1.0 Review	Abby	69.100 ^a	5.852	57.372	80.828
		Tim	45.519 ^a	3.957	37.590	53.448
	iStar 2.0 Review	Abby	87.905 ^a	4.723	78.439	97.371
		Tim	58.889 ^a	5.079	48.710	69.068
NASA_Score	i* 1.0 Review	Abby	57.792 ^a	4.482	48.810	66.773
		Tim	45.925 ^a	3.030	39.853	51.998
	iStar 2.0 Review	Abby	80.871 ^a	3.617	73.622	88.120
		Tim	66.622 ^a	3.890	58.827	74.417

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - i* concrete syntaxes,
GenderMag learning style facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	.091	1	74.958	.764
Recall	Welch	.021	1	77.198	.886
FMeasure	Welch	.205	1	77.558	.652
Duration	Welch	1.553	1	74.442	.217
FirstActDet	Welch	2.023	1	68.262	.159
LastActDet	Welch	2.175	1	69.204	.145
ProcDur	Welch	.276	1	73.687	.601
FixRel	Welch	.201	1	77.990	.655
FixIrrel	Welch	.176	1	77.939	.676
AvDurRelFix	Welch	1.445	1	64.624	.234
AvDurIrrelFix	Welch	.000	1	76.248	.982
TotSac	Welch	.290	1	76.473	.592
Sac2Key	Welch	.000	1	77.988	.983
AvAttention	Welch	.001	1	77.869	.972
AvMentWL	Welch	2.228	1	72.581	.140
AvFam	Welch	2.740	1	77.267	.102
AvSCL	Welch	.058	1	78.000	.810
HRVar_RMSSD	Welch	1.954	1	77.008	.166
HRVar_NN50	Welch	.749	1	71.921	.390
NASA_MD	Welch	.544	1	65.578	.463
NASA_PD	Welch	.871	1	76.551	.354
NASA_TD	Welch	1.078	1	77.973	.302
NASA_Performance	Welch	.037	1	76.647	.848
NASA_Effort	Welch	.886	1	64.169	.350
NASA_Frustration	Welch	2.246	1	76.934	.138
NASA_Score	Welch	.727	1	77.535	.396

a. Asymptotically F distributed.

ANOVA - I* concrete syntaxes, GenderMag learning style facet, reviewing task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.004	1	.004	.092	.763
	Within Groups	3.107	78	.040		
	Total	3.111	79			
Recall	Between Groups	.001	1	.001	.021	.886
	Within Groups	3.689	78	.047		
	Total	3.690	79			
FMeasure	Between Groups	.005	1	.005	.204	.653
	Within Groups	1.749	78	.022		
	Total	1.754	79			
Duration	Between Groups	701779.748	1	701779.748	1.572	.214
	Within Groups	34823357.239	78	446453.298		
	Total	35525136.988	79			
FirstActDet	Between Groups	73091.579	1	73091.579	2.081	.153
	Within Groups	2739256.371	78	35118.671		
	Total	2812347.950	79			
LastActDet	Between Groups	992851.895	1	992851.895	2.233	.139
	Within Groups	34684674.055	78	444675.308		
	Total	35677525.950	79			
ProcDur	Between Groups	25184.606	1	25184.606	.267	.607
	Within Groups	7359820.282	78	94356.670		
	Total	7385004.888	79			
FixRel	Between Groups	.214	1	.214	.198	.657
	Within Groups	84.034	78	1.077		
	Total	84.248	79			
FixIrrel	Between Groups	2.700	1	2.700	.175	.677
	Within Groups	1202.347	78	15.415		
	Total	1205.047	79			
AvDurRelFix	Between Groups	198908.839	1	198908.839	1.498	.225
	Within Groups	10354056.831	78	132744.318		
	Total	10552965.670	79			
AvDurlrelFix	Between Groups	52.879	1	52.879	.000	.982
	Within Groups	8271918.825	78	106050.241		
	Total	8271971.703	79			
TotSac	Between Groups	126.444	1	126.444	.291	.591
	Within Groups	33854.044	78	434.026		
	Total	33980.488	79			
Sac2Key	Between Groups	.386	1	.386	.000	.983
	Within Groups	65267.102	78	836.758		
	Total	65267.488	79			
AvAttention	Between Groups	.000	1	.000	.001	.972
	Within Groups	1.987	78	.025		
	Total	1.988	79			
AvMentWL	Between Groups	.081	1	.081	2.267	.136
	Within Groups	2.781	78	.036		
	Total	2.862	79			
AvFam	Between Groups	.057	1	.057	2.739	.102
	Within Groups	1.627	78	.021		
	Total	1.684	79			
AvSCL	Between Groups	1258.069	1	1258.069	.058	.811
	Within Groups	1697142.818	78	21758.241		

	Total	1698400.888	79			
HRVar_RMSSD	Between Groups	999.211	1	999.211	1.957	.166
	Within Groups	39829.628	78	510.636		
	Total	40828.840	79			
HRVar_NN50	Between Groups	341.591	1	341.591	.764	.385
	Within Groups	34867.500	78	447.019		
	Total	35209.092	79			
NASA_MD	Between Groups	104.343	1	104.343	.563	.455
	Within Groups	14450.345	78	185.261		
	Total	14554.688	79			
NASA_PD	Between Groups	213.412	1	213.412	.850	.359
	Within Groups	19585.338	78	251.094		
	Total	19798.750	79			
NASA_TD	Between Groups	766.072	1	766.072	1.069	.304
	Within Groups	55883.615	78	716.457		
	Total	56649.688	79			
NASA_Performance	Between Groups	33.560	1	33.560	.036	.849
	Within Groups	72163.628	78	925.175		
	Total	72197.188	79			
NASA_Effort	Between Groups	277.275	1	277.275	.920	.340
	Within Groups	23502.412	78	301.313		
	Total	23779.687	79			
NASA_Frustration	Between Groups	1519.775	1	1519.775	2.197	.142
	Within Groups	53952.412	78	691.698		
	Total	55472.188	79			
NASA_Score	Between Groups	287.889	1	287.889	.725	.397
	Within Groups	30964.861	78	396.985		
	Total	31252.750	79			

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

Dependent Variable	Task	LearningStyle	Mean	95% Confidence Interval		
				Std. Error	Lower Bound	Upper Bound
Precision	i* 1.0 Review	Abby	.347 ^a	.037	.273	.421
		Tim	.337 ^a	.034	.269	.404
	iStar 2.0 Review	Abby	.346 ^a	.041	.263	.428
		Tim	.272 ^a	.032	.207	.336
Recall	i* 1.0 Review	Abby	.376 ^a	.052	.272	.480
		Tim	.444 ^a	.047	.350	.538
	iStar 2.0 Review	Abby	.435 ^a	.058	.319	.550
		Tim	.392 ^a	.045	.302	.483
FMeasure	i* 1.0 Review	Abby	.321 ^a	.038	.245	.398
		Tim	.351 ^a	.035	.281	.420
	iStar 2.0 Review	Abby	.247 ^a	.042	.162	.332
		Tim	.229 ^a	.033	.163	.296
Duration	i* 1.0 Review	Abby	1174.307 ^a	117.224	939.385	1409.229
		Tim	1266.236 ^a	106.243	1053.320	1479.152
	iStar 2.0 Review	Abby	1817.183 ^a	130.086	1556.486	2077.881
		Tim	1794.190 ^a	101.787	1590.205	1998.176
FirstActDet	i* 1.0 Review	Abby	465.643 ^a	34.570	396.362	534.924
		Tim	508.619 ^a	31.332	445.828	571.410
	iStar 2.0 Review	Abby	652.333 ^a	38.364	575.451	729.216
		Tim	640.286 ^a	30.018	580.128	700.443
LastActDet	i* 1.0 Review	Abby	1157.150 ^a	107.547	941.621	1372.679
		Tim	1243.681 ^a	97.473	1048.341	1439.021
	iStar 2.0 Review	Abby	1364.400 ^a	119.347	1125.223	1603.577
		Tim	1416.333 ^a	93.385	1229.186	1603.480
ProcDur	i* 1.0 Review	Abby	17.157 ^a	63.621	-110.342	144.656
		Tim	22.555 ^a	57.661	-93.001	138.111
	iStar 2.0 Review	Abby	452.783 ^a	70.601	311.295	594.272
		Tim	377.857 ^a	55.243	267.148	488.566
FixRel	i* 1.0 Review	Abby	5.034 ^a	.165	4.704	5.364
		Tim	5.079 ^a	.149	4.780	5.378
	iStar 2.0 Review	Abby	3.462 ^a	.183	3.096	3.828
		Tim	3.196 ^a	.143	2.910	3.483
FixIrrel	i* 1.0 Review	Abby	6.260 ^a	.976	4.304	8.216
		Tim	5.712 ^a	.885	3.939	7.484
	iStar 2.0 Review	Abby	6.105 ^a	1.083	3.935	8.275
		Tim	5.152 ^a	.847	3.453	6.850
AvDurRelFix	i* 1.0 Review	Abby	561.327 ^a	54.904	451.296	671.357
		Tim	584.309 ^a	49.761	484.585	684.032
	iStar 2.0 Review	Abby	991.880 ^a	60.928	869.777	1113.983
		Tim	1022.772 ^a	47.674	927.232	1118.313
AvDurlIrrelFix	i* 1.0 Review	Abby	855.980 ^a	85.882	683.870	1028.091

		Tim	924.927 ^a	77.837	768.938	1080.915
TotSac	iStar 2.0 Review	Abby	1228.199 ^a	95.305	1037.204	1419.194
		Tim	933.229 ^a	74.572	783.783	1082.675
TotSac	i* 1.0 Review	Abby	136.271 ^a	3.001	130.257	142.286
		Tim	135.426 ^a	2.720	129.975	140.877
Sac2Key	iStar 2.0 Review	Abby	90.800 ^a	3.330	84.126	97.474
		Tim	99.143 ^a	2.606	93.921	104.365
Sac2Key	i* 1.0 Review	Abby	116.421 ^a	2.694	111.023	121.820
		Tim	113.988 ^a	2.442	109.095	118.881
AvAttention	iStar 2.0 Review	Abby	56.633 ^a	2.990	50.642	62.625
		Tim	56.810 ^a	2.339	52.122	61.497
AvAttention	i* 1.0 Review	Abby	.808 ^a	.044	.720	.896
		Tim	.808 ^a	.040	.728	.888
AvAttention	iStar 2.0 Review	Abby	.810 ^a	.049	.712	.908
		Tim	.738 ^a	.038	.661	.815
AvMentWL	i* 1.0 Review	Abby	.854 ^a	.048	.757	.951
		Tim	.830 ^a	.044	.743	.918
AvMentWL	iStar 2.0 Review	Abby	.725 ^a	.054	.617	.833
		Tim	.721 ^a	.042	.637	.806
AvFam	i* 1.0 Review	Abby	.525 ^a	.045	.435	.615
		Tim	.533 ^a	.041	.451	.615
AvFam	iStar 2.0 Review	Abby	.422 ^a	.050	.322	.522
		Tim	.493 ^a	.039	.415	.571
AvSCL	i* 1.0 Review	Abby	578.843 ^a	35.680	507.338	650.347
		Tim	633.081 ^a	32.338	568.274	697.887
AvSCL	iStar 2.0 Review	Abby	804.717 ^a	39.595	725.367	884.067
		Tim	821.714 ^a	30.982	759.626	883.803
HRVar_RMSSD	i* 1.0 Review	Abby	29.696 ^a	6.030	17.612	41.781
		Tim	43.308 ^a	5.465	32.356	54.261
HRVar_RMSSD	iStar 2.0 Review	Abby	49.963 ^a	6.692	36.552	63.373
		Tim	48.206 ^a	5.236	37.712	58.699
HRVar_NN50	i* 1.0 Review	Abby	16.145 ^a	4.702	6.723	25.568
		Tim	25.603 ^a	4.261	17.063	34.143
HRVar_NN50	iStar 2.0 Review	Abby	44.873 ^a	5.218	34.416	55.329
		Tim	35.698 ^a	4.083	27.516	43.880
NASA_MD	i* 1.0 Review	Abby	82.143 ^a	3.650	74.827	89.458
		Tim	78.631 ^a	3.308	72.001	85.261
NASA_MD	iStar 2.0 Review	Abby	92.167 ^a	4.051	84.049	100.285
		Tim	90.952 ^a	3.170	84.600	97.304
NASA_PD	i* 1.0 Review	Abby	25.464 ^a	4.178	17.091	33.838
		Tim	22.071 ^a	3.787	14.482	29.661
NASA_PD	iStar 2.0 Review	Abby	18.750 ^a	4.637	9.458	28.042
		Tim	27.857 ^a	3.628	20.586	35.128
NASA_TD	i* 1.0 Review	Abby	48.000 ^a	6.689	34.595	61.405
		Tim	49.393 ^a	6.062	37.243	61.542

	iStar 2.0 Review	Abby	65.083 ^a	7.423	50.207	79.959
		Tim	46.548 ^a	5.808	34.908	58.188
NASA_Performance	i* 1.0 Review	Abby	30.286 ^a	6.020	18.222	42.349
		Tim	23.095 ^a	5.456	12.162	34.029
	iStar 2.0 Review	Abby	51.500 ^a	6.680	38.113	64.887
		Tim	70.476 ^a	5.227	60.001	80.951
NASA_Effort	i* 1.0 Review	Abby	72.321 ^a	4.902	62.497	82.146
		Tim	70.726 ^a	4.443	61.822	79.630
	iStar 2.0 Review	Abby	81.750 ^a	5.440	70.848	92.652
		Tim	81.905 ^a	4.257	73.374	90.435
NASA_Frustration	i* 1.0 Review	Abby	56.143 ^a	4.988	46.147	66.139
		Tim	54.774 ^a	4.521	45.714	63.833
	iStar 2.0 Review	Abby	83.667 ^a	5.535	72.574	94.759
		Tim	66.667 ^a	4.331	57.987	75.346
NASA_Score	i* 1.0 Review	Abby	52.393 ^a	3.820	44.738	60.047
		Tim	49.782 ^a	3.462	42.844	56.719
	iStar 2.0 Review	Abby	77.879 ^a	4.239	69.384	86.373
		Tim	71.222 ^a	3.317	64.576	77.869

a. Based on modified population marginal mean.