

**Robust Tests of Equality of Means - use case templates,
GenderMag motivation facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	5.174	1	77.564	.026
Recall	Welch	2.127	1	77.078	.149
FMeasure	Welch	3.919	1	77.737	.051
Duration	Welch	4.616	1	77.912	.035
FirstActDet	Welch	1.837	1	65.404	.180
LastActDet	Welch	3.812	1	77.963	.054
ProcDur	Welch	.288	1	75.625	.593
FixRel	Welch	2.472	1	75.901	.120
FixIrrel	Welch	.090	1	73.597	.765
AvDurRelFix	Welch	8.630	1	75.290	.004
AvDurIrrelFix	Welch	9.518	1	75.396	.003
TotSac	Welch	7.097	1	77.200	.009
Sac2Key	Welch	.244	1	73.888	.623
AvAttention	Welch	.043	1	76.130	.836
AvMentWL	Welch	2.968	1	77.653	.089
AvFam	Welch	3.205	1	77.912	.077
AvSCL	Welch	2.713	1	74.068	.104
HRVar_RMSSD	Welch	.051	1	75.516	.823
HRVar_NN50	Welch	.960	1	75.361	.330
NASA_MD	Welch	.428	1	75.995	.515
NASA_PD	Welch	4.799	1	68.683	.032
NASA_TD	Welch	.513	1	77.741	.476
NASA_Performance	Welch	.766	1	77.668	.384
NASA_Effort	Welch	2.045	1	77.906	.157
NASA_Frustration	Welch	.285	1	77.918	.595
NASA_Score	Welch	.158	1	77.785	.692

a. Asymptotically F distributed.

ANOVA - use case templates, GenderMag motivation facet, reviewing task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.404	1	.404	5.160	.026
	Within Groups	6.103	78	.078		
	Total	6.507	79			
Recall	Between Groups	.158	1	.158	2.129	.149
	Within Groups	5.771	78	.074		
	Total	5.929	79			
FMeasure	Between Groups	.300	1	.300	3.902	.052
	Within Groups	5.988	78	.077		
	Total	6.288	79			
Duration	Between Groups	318031.642	1	318031.642	4.553	.036
	Within Groups	5447848.545	78	69844.212		
	Total	5765880.188	79			
FirstActDet	Between Groups	7711.301	1	7711.301	1.902	.172
	Within Groups	316224.187	78	4054.156		
	Total	323935.488	79			
LastActDet	Between Groups	264869.004	1	264869.004	3.781	.055
	Within Groups	5463822.984	78	70049.013		
	Total	5728691.987	79			
ProcDur	Between Groups	86.120	1	86.120	.290	.592
	Within Groups	23145.830	78	296.741		
	Total	23231.950	79			
FixRel	Between Groups	44.738	1	44.738	2.488	.119
	Within Groups	1402.325	78	17.979		
	Total	1447.063	79			
FixIrrel	Between Groups	2386.523	1	2386.523	.092	.763
	Within Groups	2029025.420	78	26013.146		
	Total	2031411.943	79			
AvDurRelFix	Between Groups	37655.617	1	37655.617	8.708	.004
	Within Groups	337302.328	78	4324.389		
	Total	374957.945	79			
AvDurIrrelFix	Between Groups	309203.470	1	309203.470	9.600	.003
	Within Groups	2512258.931	78	32208.448		
	Total	2821462.400	79			
TotSac	Between Groups	724.815	1	724.815	7.097	.009
	Within Groups	7965.935	78	102.127		
	Total	8690.750	79			
Sac2Key	Between Groups	36.136	1	36.136	.236	.629
	Within Groups	11949.414	78	153.198		
	Total	11985.550	79			
AvAttention	Between Groups	.002	1	.002	.043	.836
	Within Groups	3.256	78	.042		
	Total	3.258	79			
AvMentWL	Between Groups	.141	1	.141	2.958	.089
	Within Groups	3.731	78	.048		
	Total	3.872	79			
AvFam	Between Groups	.158	1	.158	3.183	.078
	Within Groups	3.870	78	.050		
	Total	4.028	79			
AvSCL	Between Groups	54033.236	1	54033.236	2.749	.101
	Within Groups	1533157.514	78	19655.866		

	Total	1587190.750	79			
HRVar_RMSSD	Between Groups	21.615	1	21.615	.051	.822
	Within Groups	33048.551	78	423.699		
	Total	33070.166	79			
HRVar_NN50	Between Groups	359.964	1	359.964	.969	.328
	Within Groups	28989.942	78	371.666		
	Total	29349.907	79			
NASA_MD	Between Groups	74.781	1	74.781	.430	.514
	Within Groups	13549.906	78	173.717		
	Total	13624.687	79			
NASA_PD	Between Groups	1395.853	1	1395.853	4.933	.029
	Within Groups	22071.335	78	282.966		
	Total	23467.187	79			
NASA_TD	Between Groups	315.809	1	315.809	.505	.480
	Within Groups	48813.878	78	625.819		
	Total	49129.687	79			
NASA_Performance	Between Groups	485.095	1	485.095	.763	.385
	Within Groups	49574.593	78	635.572		
	Total	50059.688	79			
NASA_Effort	Between Groups	383.772	1	383.772	2.017	.160
	Within Groups	14841.228	78	190.272		
	Total	15225.000	79			
NASA_Frustration	Between Groups	120.351	1	120.351	.281	.597
	Within Groups	33359.649	78	427.688		
	Total	33480.000	79			
NASA_Score	Between Groups	27.693	1	27.693	.157	.693
	Within Groups	13765.879	78	176.486		
	Total	13793.572	79			

Task * Motivation - use case templates, GenderMag motivation facet, reviewing task

Dependent Variable	Task	Motivation	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	ARNE Review	Abby	.445 ^a	.043	.359	.531
		Tim	.512 ^a	.054	.405	.620
	ALCO Review	Abby	.833 ^a	.050	.733	.934
		Tim	.849 ^a	.054	.740	.957
Recall	ARNE Review	Abby	.532 ^a	.050	.433	.632
		Tim	.563 ^a	.062	.439	.686
	ALCO Review	Abby	.889 ^a	.058	.773	1.005
		Tim	.842 ^a	.062	.717	.968
FMeasure	ARNE Review	Abby	.471 ^a	.046	.379	.563
		Tim	.532 ^a	.057	.418	.646
	ALCO Review	Abby	.861 ^a	.053	.754	.968
		Tim	.839 ^a	.058	.724	.955
Duration	ARNE Review	Abby	827.708 ^a	26.328	774.878	880.539
		Tim	752.714 ^a	32.710	687.077	818.352
	ALCO Review	Abby	320.989 ^a	30.676	259.433	382.545
		Tim	280.675 ^a	33.113	214.230	347.120
FirstActDet	ARNE Review	Abby	152.812 ^a	10.311	132.123	173.502
		Tim	126.643 ^a	12.810	100.937	152.348
	ALCO Review	Abby	154.611 ^a	12.013	130.504	178.718
		Tim	163.288 ^a	12.968	137.266	189.309
LastActDet	ARNE Review	Abby	792.104 ^a	24.672	742.596	841.612
		Tim	742.893 ^a	30.653	681.384	804.402
	ALCO Review	Abby	300.344 ^a	28.746	242.660	358.028
		Tim	262.025 ^a	31.030	199.759	324.291
ProcDur	ARNE Review	Abby	23.573 ^a	1.506	20.551	26.595
		Tim	21.321 ^a	1.871	17.567	25.076
	ALCO Review	Abby	20.644 ^a	1.755	17.124	24.165
		Tim	18.650 ^a	1.894	14.849	22.451
FixRel	ARNE Review	Abby	10.171 ^a	.166	9.837	10.505
		Tim	10.284 ^a	.207	9.869	10.699
	ALCO Review	Abby	2.271 ^a	.194	1.882	2.660
		Tim	1.709 ^a	.209	1.289	2.129
FixIrrel	ARNE Review	Abby	270.389 ^a	17.854	234.563	306.215
		Tim	289.042 ^a	22.182	244.531	333.554
	ALCO Review	Abby	2.284 ^a	20.802	-39.459	44.027
		Tim	3.529 ^a	22.455	-41.530	48.588
AvDurRelFix	ARNE Review	Abby	96.102 ^a	8.128	79.792	112.413
		Tim	101.382 ^a	10.099	81.118	121.646
	ALCO Review	Abby	172.425 ^a	9.470	153.421	191.429
		Tim	195.313 ^a	10.223	174.799	215.826
AvDurIrrelFix	ARNE Review	Abby	221.518 ^a	23.221	174.921	268.115
		Tim		28.850	182.784	298.569

	ALCO Review		240.676 ^a			
		Abby	410.275 ^a	27.056	355.983	464.567
		Tim	478.938 ^a	29.205	420.333	537.542
TotSac	ARNE Review	Abby	90.667 ^a	2.087	86.478	94.855
		Tim	88.583 ^a	2.593	83.380	93.787
	ALCO Review	Abby	97.000 ^a	2.432	92.120	101.880
		Tim	94.312 ^a	2.625	89.045	99.580
Sac2Key	ARNE Review	Abby	10.271 ^a	1.698	6.864	13.677
		Tim	11.417 ^a	2.109	7.185	15.649
	ALCO Review	Abby	31.800 ^a	1.978	27.831	35.769
		Tim	28.513 ^a	2.135	24.228	32.797
AvAttention	ARNE Review	Abby	.769 ^a	.032	.705	.833
		Tim	.729 ^a	.040	.649	.808
	ALCO Review	Abby	.607 ^a	.037	.532	.681
		Tim	.597 ^a	.040	.517	.678
AvMentWL	ARNE Review	Abby	.833 ^a	.038	.757	.910
		Tim	.880 ^a	.048	.784	.975
	ALCO Review	Abby	.640 ^a	.045	.551	.729
		Tim	.592 ^a	.048	.496	.689
AvFam	ARNE Review	Abby	.633 ^a	.039	.554	.712
		Tim	.680 ^a	.049	.582	.778
	ALCO Review	Abby	.453 ^a	.046	.361	.545
		Tim	.393 ^a	.050	.293	.492
AvSCL	ARNE Review	Abby	462.875 ^a	33.513	395.627	530.123
		Tim	555.702 ^a	41.637	472.153	639.252
	ALCO Review	Abby	605.778 ^a	39.047	527.424	684.132
		Tim	516.538 ^a	42.149	431.960	601.115
HRVar_RMSSD	ARNE Review	Abby	33.204 ^a	3.737	25.706	40.702
		Tim	36.365 ^a	4.642	27.049	45.680
	ALCO Review	Abby	30.969 ^a	4.354	22.233	39.706
		Tim	43.839 ^a	4.700	34.408	53.269
HRVar_NN50	ARNE Review	Abby	24.661 ^a	4.085	16.464	32.857
		Tim	23.011 ^a	5.075	12.827	33.195
	ALCO Review	Abby	17.220 ^a	4.760	7.669	26.771
		Tim	33.907 ^a	5.138	23.598	44.216
NASA_MD	ARNE Review	Abby	66.094 ^a	2.532	61.012	71.175
		Tim	73.810 ^a	3.146	67.496	80.123
	ALCO Review	Abby	56.222 ^a	2.951	50.301	62.143
		Tim	52.438 ^a	3.185	46.046	58.829
NASA_PD	ARNE Review	Abby	16.250 ^a	3.059	10.112	22.388
		Tim	23.036 ^a	3.800	15.410	30.661
	ALCO Review	Abby	15.556 ^a	3.564	8.404	22.707
		Tim	12.375 ^a	3.847	4.655	20.095
NASA_TD	ARNE Review	Abby	50.521 ^a	3.900	42.696	58.346
		Tim	56.310 ^a	4.845	46.587	66.032
	ALCO	Abby	27.167 ^a	4.544	18.049	36.284

	Review	Tim	15.625 ^a	4.905	5.783	25.467
NASA_Performance	ARNE Review	Abby	44.479 ^a	6.042	32.356	56.602
		Tim	43.036 ^a	7.506	27.974	58.098
	ALCO Review	Abby	50.000 ^a	7.039	35.875	64.125
		Tim	26.188 ^a	7.598	10.940	41.435
NASA_Effort	ARNE Review	Abby	56.250 ^a	3.287	49.653	62.847
		Tim	53.690 ^a	4.084	45.495	61.886
	ALCO Review	Abby	53.167 ^a	3.830	45.480	60.853
		Tim	49.750 ^a	4.135	41.453	58.047
NASA_Frustration	ARNE Review	Abby	30.833 ^a	4.850	21.101	40.565
		Tim	34.583 ^a	6.026	22.492	46.675
	ALCO Review	Abby	35.167 ^a	5.651	23.827	46.506
		Tim	21.125 ^a	6.100	8.885	33.365
NASA_Score	ARNE Review	Abby	44.071 ^a	3.184	37.682	50.461
		Tim	47.411 ^a	3.956	39.472	55.349
	ALCO Review	Abby	46.713 ^a	3.710	39.268	54.158
		Tim	34.927 ^a	4.005	26.891	42.964

a. Based on modified population marginal mean.

Robust Tests of Equality of Means - use case templates, GenderMag information processing facet, reviewing task

		Statistic ^a	df1	df2	Sig.
Precision	Welch	.125	1	76.647	.724
Recall	Welch	.625	1	77.422	.432
FMeasure	Welch	.002	1	77.395	.966
Duration	Welch	.139	1	77.999	.711
FirstActDet	Welch	5.326	1	74.339	.024
LastActDet	Welch	.228	1	77.928	.634
ProcDur	Welch	4.131	1	76.467	.046
FixRel	Welch	4.032	1	76.912	.048
FixIrrel	Welch	.036	1	77.861	.851
AvDurRelFix	Welch	12.092	1	72.763	.001
AvDurIrrelFix	Welch	12.215	1	73.645	.001
TotSac	Welch	1.560	1	77.604	.215
Sac2Key	Welch	6.602	1	76.482	.012
AvAttention	Welch	65.389	1	75.857	.000
AvMentWL	Welch	19.185	1	76.409	.000
AvFam	Welch	19.421	1	77.337	.000
AvSCL	Welch	2.624	1	77.986	.109
HRVar_RMSSD	Welch	5.579	1	68.102	.021
HRVar_NN50	Welch	.980	1	75.032	.325
NASA_MD	Welch	3.406	1	67.986	.069
NASA_PD	Welch	27.151	1	57.855	.000
NASA_TD	Welch	4.112	1	61.841	.047
NASA_Performance	Welch	.385	1	77.756	.537
NASA_Effort	Welch	2.883	1	64.802	.094
NASA_Frustration	Welch	1.919	1	76.123	.170
NASA_Score	Welch	1.685	1	77.727	.198

a. Asymptotically F distributed.

ANOVA - use case templates, GenderMag information processing facet, reviewing task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.010	1	.010	.125	.725
	Within Groups	6.497	78	.083		
	Total	6.507	79			
Recall	Between Groups	.047	1	.047	.619	.434
	Within Groups	5.882	78	.075		
	Total	5.929	79			
FMeasure	Between Groups	.000	1	.000	.002	.967
	Within Groups	6.287	78	.081		
	Total	6.288	79			
Duration	Between Groups	9999.259	1	9999.259	.136	.714
	Within Groups	5755880.929	78	73793.345		
	Total	5765880.188	79			
FirstActDet	Between Groups	20913.244	1	20913.244	5.383	.023
	Within Groups	303022.244	78	3884.901		
	Total	323935.488	79			
LastActDet	Between Groups	16231.735	1	16231.735	.222	.639
	Within Groups	5712460.253	78	73236.670		
	Total	5728691.988	79			
ProcDur	Between Groups	1166.708	1	1166.708	4.124	.046
	Within Groups	22065.242	78	282.888		
	Total	23231.950	79			
FixRel	Between Groups	70.784	1	70.784	4.012	.049
	Within Groups	1376.279	78	17.645		
	Total	1447.063	79			
FixIrrel	Between Groups	913.934	1	913.934	.035	.852
	Within Groups	2030498.009	78	26032.026		
	Total	2031411.943	79			
AvDurRelFix	Between Groups	51109.086	1	51109.086	12.310	.001
	Within Groups	323848.859	78	4151.908		
	Total	374957.945	79			
AvDurIrrelFix	Between Groups	386642.231	1	386642.231	12.386	.001
	Within Groups	2434820.169	78	31215.643		
	Total	2821462.400	79			
TotSac	Between Groups	168.423	1	168.423	1.541	.218
	Within Groups	8522.327	78	109.261		
	Total	8690.750	79			
Sac2Key	Between Groups	933.796	1	933.796	6.590	.012
	Within Groups	11051.754	78	141.689		
	Total	11985.550	79			
AvAttention	Between Groups	1.447	1	1.447	62.346	.000
	Within Groups	1.811	78	.023		
	Total	3.258	79			
AvMentWL	Between Groups	.738	1	.738	18.355	.000
	Within Groups	3.134	78	.040		
	Total	3.872	79			
AvFam	Between Groups	.780	1	.780	18.722	.000
	Within Groups	3.248	78	.042		
	Total	4.028	79			
AvSCL	Between Groups	50622.823	1	50622.823	2.570	.113
	Within Groups	1536567.927	78	19699.589		

	Total	1587190.750	79			
HRVar_RMSSD	Between Groups	2281.582	1	2281.582	5.780	.019
	Within Groups	30788.584	78	394.725		
	Total	33070.166	79			
HRVar_NN50	Between Groups	366.839	1	366.839	.987	.323
	Within Groups	28983.068	78	371.578		
	Total	29349.907	79			
NASA_MD	Between Groups	589.898	1	589.898	3.530	.064
	Within Groups	13034.789	78	167.113		
	Total	13624.688	79			
NASA_PD	Between Groups	5590.475	1	5590.475	24.392	.000
	Within Groups	17876.713	78	229.189		
	Total	23467.187	79			
NASA_TD	Between Groups	2595.307	1	2595.307	4.350	.040
	Within Groups	46534.381	78	596.595		
	Total	49129.688	79			
NASA_Performance	Between Groups	238.097	1	238.097	.373	.543
	Within Groups	49821.590	78	638.738		
	Total	50059.688	79			
NASA_Effort	Between Groups	567.646	1	567.646	3.021	.086
	Within Groups	14657.354	78	187.915		
	Total	15225.000	79			
NASA_Frustration	Between Groups	804.639	1	804.639	1.921	.170
	Within Groups	32675.361	78	418.915		
	Total	33480.000	79			
NASA_Score	Between Groups	287.681	1	287.681	1.661	.201
	Within Groups	13505.891	78	173.152		
	Total	13793.572	79			

Task * InformationProcessing - use case templates, GenderMag information processing facet, reviewing task						
Dependent Variable	Task	InformationProcessing	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	ARNE Review	Abby	.421 ^a	.047	.327	.515
		Tim	.540 ^a	.049	.441	.639
	ALCO Review	Abby	.939 ^a	.055	.830	1.049
		Tim	.730 ^a	.054	.622	.838
Recall	ARNE Review	Abby	.460 ^a	.054	.351	.568
		Tim	.646 ^a	.057	.532	.759
	ALCO Review	Abby	.924 ^a	.063	.797	1.050
		Tim	.786 ^a	.062	.662	.911
FMeasure	ARNE Review	Abby	.433 ^a	.050	.333	.533
		Tim	.576 ^a	.052	.471	.681
	ALCO Review	Abby	.928 ^a	.058	.811	1.045
		Tim	.754 ^a	.057	.640	.869
Duration	ARNE Review	Abby	753.646 ^a	28.621	696.213	811.079
		Tim	837.357 ^a	30.089	776.979	897.735
	ALCO Review	Abby	283.738 ^a	33.457	216.603	350.873
		Tim	310.696 ^a	32.851	244.776	376.616
FirstActDet	ARNE Review	Abby	124.521 ^a	11.209	102.029	147.013
		Tim	158.976 ^a	11.784	135.331	182.622
	ALCO Review	Abby	140.381 ^a	13.102	114.089	166.673
		Tim	182.781 ^a	12.865	156.966	208.597
LastActDet	ARNE Review	Abby	732.698 ^a	26.821	678.877	786.518
		Tim	810.786 ^a	28.196	754.205	867.366
	ALCO Review	Abby	266.652 ^a	31.352	203.740	329.565
		Tim	288.559 ^a	30.785	226.786	350.333
ProcDur	ARNE Review	Abby	18.979 ^a	1.637	15.694	22.264
		Tim	26.571 ^a	1.721	23.118	30.025
	ALCO Review	Abby	17.086 ^a	1.914	13.246	20.926
		Tim	22.137 ^a	1.879	18.367	25.908
FixRel	ARNE Review	Abby	10.462 ^a	.181	10.099	10.825
		Tim	9.952 ^a	.190	9.570	10.333
	ALCO Review	Abby	2.144 ^a	.211	1.719	2.568
		Tim	1.671 ^a	.208	1.254	2.087
FixIrrel	ARNE Review	Abby	232.897 ^a	19.409	193.949	271.844
		Tim	331.891 ^a	20.404	290.946	372.835
	ALCO Review	Abby	5.054 ^a	22.688	-40.473	50.581
		Tim	.712 ^a	22.277	-43.991	45.415
AvDurRelFix	ARNE Review	Abby	81.313 ^a	8.836	63.582	99.044
		Tim	118.284 ^a	9.289	99.643	136.924
	ALCO Review	Abby	165.765 ^a	10.329	145.039	186.492
		Tim	210.711 ^a	10.142	190.360	231.062
AvDurIrrelFix	ARNE	Abby	184.668 ^a	25.244	134.012	235.324

	Review	Tim	282.791 ^a	26.538	229.537	336.044
	ALCO Review	Abby	390.296 ^a	29.509	331.083	449.510
		Tim	525.133 ^a	28.974	466.992	583.275
TotSac	ARNE Review	Abby	88.594 ^a	2.269	84.041	93.147
		Tim	90.952 ^a	2.385	86.166	95.739
	ALCO Review	Abby	97.629 ^a	2.652	92.306	102.951
		Tim	92.683 ^a	2.604	87.457	97.909
Sac2Key	ARNE Review	Abby	9.063 ^a	1.845	5.359	12.766
		Tim	12.798 ^a	1.940	8.905	16.691
	ALCO Review	Abby	30.286 ^a	2.157	25.957	34.614
		Tim	29.183 ^a	2.118	24.933	33.434
AvAttention	ARNE Review	Abby	.851 ^a	.035	.781	.921
		Tim	.635 ^a	.037	.561	.708
	ALCO Review	Abby	.714 ^a	.041	.633	.796
		Tim	.469 ^a	.040	.389	.549
AvMentWL	ARNE Review	Abby	.920 ^a	.042	.836	1.003
		Tim	.781 ^a	.044	.693	.869
	ALCO Review	Abby	.688 ^a	.049	.591	.786
		Tim	.521 ^a	.048	.425	.616
AvFam	ARNE Review	Abby	.720 ^a	.043	.634	.806
		Tim	.581 ^a	.045	.491	.671
	ALCO Review	Abby	.498 ^a	.050	.397	.598
		Tim	.321 ^a	.049	.222	.419
AvSCL	ARNE Review	Abby	532.406 ^a	36.432	459.300	605.512
		Tim	476.238 ^a	38.300	399.384	553.093
	ALCO Review	Abby	610.867 ^a	42.587	525.411	696.323
		Tim	480.854 ^a	41.816	396.945	564.763
HRVar_RMSSD	ARNE Review	Abby	40.294 ^a	4.062	32.143	48.445
		Tim	28.262 ^a	4.270	19.693	36.831
	ALCO Review	Abby	42.554 ^a	4.748	33.026	52.083
		Tim	34.613 ^a	4.662	25.257	43.968
HRVar_NN50	ARNE Review	Abby	25.472 ^a	4.441	16.561	34.383
		Tim	22.083 ^a	4.668	12.715	31.451
	ALCO Review	Abby	25.667 ^a	5.191	15.250	36.083
		Tim	29.615 ^a	5.097	19.387	39.843
NASA_MD	ARNE Review	Abby	71.146 ^a	2.753	65.621	76.670
		Tim	68.036 ^a	2.894	62.228	73.843
	ALCO Review	Abby	53.905 ^a	3.218	47.447	60.362
		Tim	53.880 ^a	3.160	47.539	60.220
NASA_PD	ARNE Review	Abby	12.187 ^a	3.325	5.515	18.860
		Tim	27.679 ^a	3.496	20.664	34.693
	ALCO Review	Abby	5.857 ^a	3.887	-1.943	13.657
		Tim	22.630 ^a	3.817	14.971	30.288
NASA_TD	ARNE Review	Abby	58.125 ^a	4.239	49.618	66.632
		Tim	47.619 ^a	4.457	38.676	56.562
	ALCO	Abby	22.690 ^a	4.956	12.747	32.634

	Review	Tim	17.000 ^a	4.866	7.236	26.764
NASA_Performance	ARNE Review	Abby	44.271 ^a	6.568	31.092	57.450
		Tim	43.274 ^a	6.905	29.419	57.129
	ALCO Review	Abby	33.810 ^a	7.677	18.404	49.215
		Tim	37.139 ^a	7.538	22.012	52.266
NASA_Effort	ARNE Review	Abby	59.219 ^a	3.574	52.047	66.390
		Tim	50.298 ^a	3.757	42.758	57.837
	ALCO Review	Abby	50.500 ^a	4.178	42.117	58.883
		Tim	51.722 ^a	4.102	43.491	59.953
NASA_Frustration	ARNE Review	Abby	37.917 ^a	5.272	27.337	48.496
		Tim	26.488 ^a	5.543	15.366	37.610
	ALCO Review	Abby	29.071 ^a	6.163	16.704	41.438
		Tim	23.556 ^a	6.051	11.412	35.699
NASA_Score	ARNE Review	Abby	47.144 ^a	3.462	40.198	54.090
		Tim	43.899 ^a	3.639	36.596	51.201
	ALCO Review	Abby	41.104 ^a	4.046	32.984	49.223
		Tim	37.543 ^a	3.973	29.570	45.516

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - use case templates,
GenderMag self-efficacy facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	7.138	1	69.916	.009
Recall	Welch	2.251	1	73.398	.138
FMeasure	Welch	5.192	1	72.362	.026
Duration	Welch	.761	1	71.839	.386
FirstActDet	Welch	.005	1	67.887	.943
LastActDet	Welch	.856	1	73.539	.358
ProcDur	Welch	.905	1	70.554	.345
FixRel	Welch	.001	1	70.918	.972
FixIrrel	Welch	.102	1	69.027	.750
AvDurRelFix	Welch	.485	1	69.550	.488
AvDurIrrelFix	Welch	.543	1	69.837	.463
TotSac	Welch	4.106	1	72.774	.046
Sac2Key	Welch	2.393	1	74.897	.126
AvAttention	Welch	7.890	1	77.970	.006
AvMentWL	Welch	1.299	1	76.249	.258
AvFam	Welch	1.513	1	74.758	.223
AvSCL	Welch	.009	1	69.729	.923
HRVar_RMSSD	Welch	2.049	1	61.177	.157
HRVar_NN50	Welch	2.507	1	64.408	.118
NASA_MD	Welch	.932	1	68.093	.338
NASA_PD	Welch	3.170	1	75.096	.079
NASA_TD	Welch	.150	1	64.856	.700
NASA_Performance	Welch	.105	1	72.681	.747
NASA_Effort	Welch	.442	1	66.080	.509
NASA_Frustration	Welch	.285	1	69.674	.595
NASA_Score	Welch	1.314	1	72.345	.255

a. Asymptotically F distributed.

ANOVA - use case templates, GenderMag self-efficacy facet, reviewing task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.542	1	.542	7.086	.009
	Within Groups	5.965	78	.076		
	Total	6.507	79			
Recall	Between Groups	.160	1	.160	2.166	.145
	Within Groups	5.769	78	.074		
	Total	5.929	79			
FMeasure	Between Groups	.382	1	.382	5.045	.028
	Within Groups	5.906	78	.076		
	Total	6.288	79			
Duration	Between Groups	54382.665	1	54382.665	.743	.391
	Within Groups	5711497.523	78	73224.327		
	Total	5765880.187	79			
FirstActDet	Between Groups	21.597	1	21.597	.005	.943
	Within Groups	323913.890	78	4152.742		
	Total	323935.488	79			
LastActDet	Between Groups	59749.570	1	59749.570	.822	.367
	Within Groups	5668942.418	78	72678.749		
	Total	5728691.988	79			
ProcDur	Between Groups	263.135	1	263.135	.894	.347
	Within Groups	22968.815	78	294.472		
	Total	23231.950	79			
FixRel	Between Groups	.023	1	.023	.001	.972
	Within Groups	1447.040	78	18.552		
	Total	1447.063	79			
FixIrrel	Between Groups	2655.309	1	2655.309	.102	.750
	Within Groups	2028756.634	78	26009.700		
	Total	2031411.943	79			
AvDurRelFix	Between Groups	2307.327	1	2307.327	.483	.489
	Within Groups	372650.618	78	4777.572		
	Total	374957.946	79			
AvDurIrrelFix	Between Groups	19394.690	1	19394.690	.540	.465
	Within Groups	2802067.710	78	35923.945		
	Total	2821462.400	79			
TotSac	Between Groups	421.284	1	421.284	3.974	.050
	Within Groups	8269.466	78	106.019		
	Total	8690.750	79			
Sac2Key	Between Groups	338.205	1	338.205	2.265	.136
	Within Groups	11647.345	78	149.325		
	Total	11985.550	79			
AvAttention	Between Groups	.269	1	.269	7.029	.010
	Within Groups	2.989	78	.038		
	Total	3.258	79			
AvMentWL	Between Groups	.059	1	.059	1.208	.275
	Within Groups	3.813	78	.049		
	Total	3.872	79			
AvFam	Between Groups	.073	1	.073	1.435	.235
	Within Groups	3.955	78	.051		
	Total	4.028	79			
AvSCL	Between Groups	191.142	1	191.142	.009	.923
	Within Groups	1586999.608	78	20346.149		

	Total	1587190.750	79			
HRVar_RMSSD	Between Groups	898.260	1	898.260	2.178	.144
	Within Groups	32171.905	78	412.460		
	Total	33070.166	79			
HRVar_NN50	Between Groups	946.718	1	946.718	2.600	.111
	Within Groups	28403.189	78	364.143		
	Total	29349.907	79			
NASA_MD	Between Groups	162.115	1	162.115	.939	.335
	Within Groups	13462.573	78	172.597		
	Total	13624.687	79			
NASA_PD	Between Groups	867.510	1	867.510	2.994	.088
	Within Groups	22599.678	78	289.739		
	Total	23467.188	79			
NASA_TD	Between Groups	97.321	1	97.321	.155	.695
	Within Groups	49032.366	78	628.620		
	Total	49129.688	79			
NASA_Performance	Between Groups	65.232	1	65.232	.102	.751
	Within Groups	49994.455	78	640.955		
	Total	50059.687	79			
NASA_Effort	Between Groups	87.766	1	87.766	.452	.503
	Within Groups	15137.234	78	194.067		
	Total	15225.000	79			
NASA_Frustration	Between Groups	121.328	1	121.328	.284	.596
	Within Groups	33358.672	78	427.675		
	Total	33480.000	79			
NASA_Score	Between Groups	222.212	1	222.212	1.277	.262
	Within Groups	13571.359	78	173.992		
	Total	13793.572	79			

Task * SelfEfficacy - use case templates, GenderMag self-efficacy facet, reviewing task						
Dependent Variable	Task	SelfEfficacy	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	ARNE Review	Abby	.548 ^a	.054	.441	.656
		Tim	.413 ^a	.043	.327	.500
	ALCO Review	Abby	.958 ^a	.050	.857	1.060
		Tim	.658 ^a	.059	.539	.777
Recall	ARNE Review	Abby	.582 ^a	.062	.458	.706
		Tim	.515 ^a	.050	.416	.615
	ALCO Review	Abby	.930 ^a	.058	.813	1.046
		Tim	.750 ^a	.068	.613	.887
FMeasure	ARNE Review	Abby	.560 ^a	.057	.446	.674
		Tim	.447 ^a	.046	.355	.538
	ALCO Review	Abby	.941 ^a	.054	.833	1.049
		Tim	.699 ^a	.063	.572	.825
Duration	ARNE Review	Abby	767.952 ^a	32.710	702.315	833.590
		Tim	814.375 ^a	26.328	761.544	867.206
	ALCO Review	Abby	288.458 ^a	30.847	226.560	350.357
		Tim	308.536 ^a	36.222	235.851	381.220
FirstActDet	ARNE Review	Abby	148.417 ^a	12.810	122.711	174.122
		Tim	133.760 ^a	10.311	113.071	154.450
	ALCO Review	Abby	156.396 ^a	12.080	132.155	180.637
		Tim	165.638 ^a	14.185	137.173	194.103
LastActDet	ARNE Review	Abby	738.476 ^a	30.653	676.967	799.985
		Tim	795.969 ^a	24.672	746.461	845.476
	ALCO Review	Abby	265.571 ^a	28.906	207.566	323.576
		Tim	294.671 ^a	33.944	226.558	362.784
ProcDur	ARNE Review	Abby	24.083 ^a	1.871	20.329	27.838
		Tim	21.156 ^a	1.506	18.134	24.178
	ALCO Review	Abby	22.887 ^a	1.764	19.347	26.428
		Tim	13.864 ^a	2.072	9.707	18.022
FixRel	ARNE Review	Abby	10.104 ^a	.207	9.690	10.519
		Tim	10.328 ^a	.166	9.994	10.662
	ALCO Review	Abby	2.027 ^a	.195	1.636	2.418
		Tim	1.763 ^a	.229	1.304	2.222
FixIrrel	ARNE Review	Abby	264.894 ^a	22.182	220.382	309.405
		Tim	291.519 ^a	17.854	255.693	327.345
	ALCO Review	Abby	4.051 ^a	20.918	-37.925	46.026
		Tim	1.449 ^a	24.563	-47.841	50.739
AvDurRelFix	ARNE Review	Abby	92.459 ^a	10.099	72.195	112.723
		Tim	103.910 ^a	8.128	87.599	120.220
	ALCO Review	Abby	188.092 ^a	9.523	168.982	207.201
		Tim	183.978 ^a	11.183	161.539	206.418
AvDurIrrelFix	ARNE Review	Abby	216.270 ^a	28.850	158.377	274.162
		Tim		23.221	196.277	289.470

	ALCO Review	Abby	242.873 ^a			
		Tim				
TotSac	ARNE Review	Abby	457.275 ^a	27.207	402.681	511.869
		Tim	444.935 ^a	31.948	380.827	509.043
	ALCO Review	Abby				
		Tim				
Sac2Key	ARNE Review	Abby	88.893 ^a	2.593	83.689	94.097
		Tim	90.396 ^a	2.087	86.207	94.584
	ALCO Review	Abby	93.675 ^a	2.445	88.768	98.582
		Tim	98.020 ^a	2.872	92.258	103.782
AvAttention	ARNE Review	Abby	9.571 ^a	2.109	5.339	13.804
		Tim	11.885 ^a	1.698	8.479	15.292
	ALCO Review	Abby	27.313 ^a	1.989	23.321	31.304
		Tim	33.720 ^a	2.335	29.033	38.407
AvMentWL	ARNE Review	Abby				
		Tim				
	ALCO Review	Abby				
		Tim				
AvFam	ARNE Review	Abby	.730 ^a	.040	.650	.810
		Tim	.768 ^a	.032	.703	.832
	ALCO Review	Abby	.638 ^a	.037	.562	.713
		Tim	.543 ^a	.044	.454	.631
AvSCL	ARNE Review	Abby	.844 ^a	.048	.749	.939
		Tim	.865 ^a	.038	.788	.941
	ALCO Review	Abby	.608 ^a	.045	.518	.698
		Tim	.615 ^a	.053	.509	.720
HRVar_RMSSD	ARNE Review	Abby	.644 ^a	.049	.546	.742
		Tim	.665 ^a	.039	.586	.744
	ALCO Review	Abby	.417 ^a	.046	.324	.509
		Tim	.415 ^a	.054	.306	.523
AvSCL	ARNE Review	Abby	488.393 ^a	41.637	404.843	571.943
		Tim	521.771 ^a	33.513	454.523	589.019
	ALCO Review	Abby	541.071 ^a	39.264	462.281	619.861
		Tim	566.524 ^a	46.107	474.004	659.044
HRVar_NN50	ARNE Review	Abby	33.736 ^a	4.642	24.420	43.051
		Tim	35.504 ^a	3.737	28.006	43.002
	ALCO Review	Abby	37.523 ^a	4.378	28.738	46.308
		Tim	41.074 ^a	5.141	30.758	51.390
NASA_MD	ARNE Review	Abby	25.924 ^a	5.075	15.740	36.108
		Tim	22.112 ^a	4.085	13.915	30.309
	ALCO Review	Abby	28.316 ^a	4.786	18.712	37.920
		Tim	26.166 ^a	5.620	14.889	37.443
NASA_PD	ARNE Review	Abby	71.131 ^a	3.146	64.817	77.445
		Tim	68.438 ^a	2.532	63.356	73.519
	ALCO Review	Abby	54.354 ^a	2.967	48.400	60.308
		Tim	53.156 ^a	3.484	46.164	60.147
NASA_TD	ARNE Review	Abby	17.143 ^a	3.800	9.517	24.769
		Tim	21.406 ^a	3.059	15.268	27.544
	ALCO Review	Abby	13.875 ^a	3.584	6.684	21.066
		Tim	13.156 ^a	4.208	4.711	21.600
NASA_TD	ARNE Review	Abby	57.679 ^a	4.845	47.956	67.401
		Tim	49.323 ^a	3.900	41.498	57.148
	ALCO	Abby	23.292 ^a	4.569	14.123	32.460

	Review	Tim	14.900 ^a	5.365	4.134	25.666
NASA_Performance	ARNE Review	Abby	45.417 ^a	7.506	30.355	60.479
		Tim	42.396 ^a	6.042	30.273	54.519
	ALCO Review	Abby	36.771 ^a	7.078	22.567	50.975
		Tim	33.067 ^a	8.312	16.387	49.746
NASA_Effort	ARNE Review	Abby	54.821 ^a	4.084	46.625	63.017
		Tim	55.260 ^a	3.287	48.664	61.857
	ALCO Review	Abby	51.688 ^a	3.852	43.959	59.416
		Tim	50.067 ^a	4.523	40.991	59.143
NASA_Frustration	ARNE Review	Abby	34.405 ^a	6.026	22.314	46.496
		Tim	30.990 ^a	4.850	21.258	40.722
	ALCO Review	Abby	29.187 ^a	5.682	17.785	40.590
		Tim	22.267 ^a	6.672	8.877	35.656
NASA_Score	ARNE Review	Abby	46.766 ^a	3.956	38.827	54.704
		Tim	44.635 ^a	3.184	38.246	51.025
	ALCO Review	Abby	41.987 ^a	3.731	34.501	49.473
		Tim	35.418 ^a	4.381	26.627	44.209

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - use case templates,
GenderMag risk facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	10.086	1	76.565	.002
Recall	Welch	1.164	1	77.990	.284
FMeasure	Welch	5.150	1	76.409	.026
Duration	Welch	.227	1	73.141	.635
FirstActDet	Welch	22.681	1	56.191	.000
LastActDet	Welch	1.544	1	75.159	.218
ProcDur	Welch	449.987	1	43.289	.000
FixRel	Welch	.001	1	67.520	.975
FixIrrel	Welch	1.388	1	57.993	.244
AvDurRelFix	Welch	2.692	1	62.770	.106
AvDurIrrelFix	Welch	3.761	1	64.243	.057
TotSac	Welch	8.672	1	76.407	.004
Sac2Key	Welch	4.144	1	71.991	.045
AvAttention	Welch	.334	1	70.989	.565
AvMentWL	Welch	1.554	1	64.954	.217
AvFam	Welch	1.724	1	66.499	.194
AvSCL	Welch	.034	1	72.226	.855
HRVar_RMSSD	Welch	73.422	1	56.121	.000
HRVar_NN50	Welch	16.872	1	74.970	.000
NASA_MD	Welch	2.127	1	53.101	.151
NASA_PD	Welch	15.918	1	45.478	.000
NASA_TD	Welch	12.140	1	48.978	.001
NASA_Performance	Welch	6.659	1	74.855	.012
NASA_Effort	Welch	15.518	1	65.707	.000
NASA_Frustration	Welch	11.692	1	66.444	.001
NASA_Score	Welch	3.430	1	59.817	.069

a. Asymptotically F distributed.

ANOVA - use case templates, GenderMag risk facet, reviewing task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.643	1	.643	8.556	.005
	Within Groups	5.864	78	.075		
	Total	6.507	79			
Recall	Between Groups	.077	1	.077	1.027	.314
	Within Groups	5.852	78	.075		
	Total	5.929	79			
FMeasure	Between Groups	.333	1	.333	4.359	.040
	Within Groups	5.955	78	.076		
	Total	6.288	79			
Duration	Between Groups	16164.541	1	16164.541	.219	.641
	Within Groups	5749715.647	78	73714.303		
	Total	5765880.188	79			
FirstActDet	Between Groups	78739.028	1	78739.028	25.048	.000
	Within Groups	245196.459	78	3143.544		
	Total	323935.488	79			
LastActDet	Between Groups	105075.415	1	105075.415	1.457	.231
	Within Groups	5623616.573	78	72097.648		
	Total	5728691.988	79			
ProcDur	Between Groups	20379.447	1	20379.447	557.264	.000
	Within Groups	2852.503	78	36.571		
	Total	23231.950	79			
FixRel	Between Groups	.018	1	.018	.001	.975
	Within Groups	1447.045	78	18.552		
	Total	1447.063	79			
FixIrrel	Between Groups	38618.010	1	38618.010	1.512	.223
	Within Groups	1992793.933	78	25548.640		
	Total	2031411.943	79			
AvDurRelFix	Between Groups	13113.881	1	13113.881	2.827	.097
	Within Groups	361844.064	78	4639.026		
	Total	374957.946	79			
AvDurIrrelFix	Between Groups	134519.567	1	134519.567	3.905	.052
	Within Groups	2686942.834	78	34447.985		
	Total	2821462.400	79			
TotSac	Between Groups	747.396	1	747.396	7.339	.008
	Within Groups	7943.354	78	101.838		
	Total	8690.750	79			
Sac2Key	Between Groups	590.259	1	590.259	4.040	.048
	Within Groups	11395.291	78	146.093		
	Total	11985.550	79			
AvAttention	Between Groups	.014	1	.014	.329	.568
	Within Groups	3.244	78	.042		
	Total	3.258	79			
AvMentWL	Between Groups	.078	1	.078	1.604	.209
	Within Groups	3.794	78	.049		
	Total	3.872	79			
AvFam	Between Groups	.089	1	.089	1.760	.189
	Within Groups	3.939	78	.050		
	Total	4.028	79			
AvSCL	Between Groups	668.860	1	668.860	.033	.857
	Within Groups	1586521.890	78	20340.024		

	Total	1587190.750	79			
HRVar_RMSSD	Between Groups	13560.614	1	13560.614	54.216	.000
	Within Groups	19509.552	78	250.122		
	Total	33070.166	79			
HRVar_NN50	Between Groups	4984.703	1	4984.703	15.957	.000
	Within Groups	24365.204	78	312.374		
	Total	29349.907	79			
NASA_MD	Between Groups	407.989	1	407.989	2.408	.125
	Within Groups	13216.699	78	169.445		
	Total	13624.688	79			
NASA_PD	Between Groups	4651.843	1	4651.843	19.284	.000
	Within Groups	18815.345	78	241.222		
	Total	23467.188	79			
NASA_TD	Between Groups	7583.459	1	7583.459	14.237	.000
	Within Groups	41546.228	78	532.644		
	Total	49129.688	79			
NASA_Performance	Between Groups	3744.504	1	3744.504	6.306	.014
	Within Groups	46315.184	78	593.784		
	Total	50059.688	79			
NASA_Effort	Between Groups	2582.286	1	2582.286	15.932	.000
	Within Groups	12642.714	78	162.086		
	Total	15225.000	79			
NASA_Frustration	Between Groups	4443.185	1	4443.185	11.935	.001
	Within Groups	29036.815	78	372.267		
	Total	33480.000	79			
NASA_Score	Between Groups	621.957	1	621.957	3.683	.059
	Within Groups	13171.615	78	168.867		
	Total	13793.572	79			

Task * Risk - use case templates, GenderMag risk facet, reviewing task

Dependent Variable	Task	Risk	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	ARNE Review	Abby	.607 ^a	.050	.508	.707
		Tim	.362 ^a	.046	.269	.455
	ALCO Review	Abby	.937 ^a	.063	.810	1.064
		Tim	.784 ^a	.048	.686	.881
Recall	ARNE Review	Abby	.593 ^a	.057	.478	.708
		Tim	.506 ^a	.053	.399	.613
	ALCO Review	Abby	.872 ^a	.073	.726	1.018
		Tim	.853 ^a	.056	.741	.965
FMeasure	ARNE Review	Abby	.599 ^a	.053	.493	.705
		Tim	.412 ^a	.049	.313	.511
	ALCO Review	Abby	.893 ^a	.067	.758	1.029
		Tim	.819 ^a	.052	.716	.923
Duration	ARNE Review	Abby	781.202 ^a	30.429	720.142	842.263
		Tim	802.781 ^a	28.345	745.903	859.659
	ALCO Review	Abby	275.480 ^a	38.733	197.757	353.203
		Tim	309.118 ^a	29.631	249.659	368.577
FirstActDet	ARNE Review	Abby	166.714 ^a	11.917	142.802	190.627
		Tim	117.750 ^a	11.101	95.475	140.025
	ALCO Review	Abby	182.560 ^a	15.169	152.122	212.998
		Tim	145.819 ^a	11.604	122.534	169.105
LastActDet	ARNE Review	Abby	731.655 ^a	28.515	674.435	788.874
		Tim	801.938 ^a	26.562	748.637	855.238
	ALCO Review	Abby	236.260 ^a	36.297	163.425	309.095
		Tim	302.078 ^a	27.767	246.359	357.797
ProcDur	ARNE Review	Abby	39.940 ^a	1.740	36.448	43.433
		Tim	7.281 ^a	1.621	4.028	10.535
	ALCO Review	Abby	39.220 ^a	2.215	34.774	43.666
		Tim	7.040 ^a	1.695	3.639	10.441
FixRel	ARNE Review	Abby	10.150 ^a	.192	9.764	10.536
		Tim	10.288 ^a	.179	9.929	10.648
	ALCO Review	Abby	1.846 ^a	.245	1.354	2.337
		Tim	1.975 ^a	.187	1.599	2.351
FixIrrel	ARNE Review	Abby	299.170 ^a	20.635	257.763	340.578
		Tim	261.527 ^a	19.222	222.956	300.098
	ALCO Review	Abby	4.103 ^a	26.266	-48.604	56.810
		Tim	2.392 ^a	20.094	-37.929	42.713
AvDurRelFix	ARNE Review	Abby	103.361 ^a	9.394	84.510	122.212
		Tim	94.371 ^a	8.751	76.811	111.930
	ALCO Review	Abby	197.520 ^a	11.958	173.525	221.515
		Tim	179.628 ^a	9.148	161.272	197.985
AvDurIrrelFix	ARNE Review	Abby	250.618 ^a	26.838	196.763	304.473
		Tim		25.000	162.652	262.985

			212.819 ^a			
	ALCO Review	Abby	485.560 ^a	34.162	417.008	554.112
		Tim	431.884 ^a	26.135	379.442	484.327
TotSac	ARNE Review	Abby	87.952 ^a	2.412	83.112	92.793
		Tim	91.219 ^a	2.247	86.710	95.728
	ALCO Review	Abby	91.820 ^a	3.071	85.658	97.982
		Tim	97.550 ^a	2.349	92.836	102.264
Sac2Key	ARNE Review	Abby	7.690 ^a	1.962	3.753	11.627
		Tim	13.531 ^a	1.828	9.864	17.199
	ALCO Review	Abby	28.120 ^a	2.497	23.109	33.131
		Tim	30.813 ^a	1.911	26.979	34.646
AvAttention	ARNE Review	Abby	.761 ^a	.037	.687	.835
		Tim	.741 ^a	.034	.671	.810
	ALCO Review	Abby	.596 ^a	.047	.502	.690
		Tim	.604 ^a	.036	.532	.676
AvMentWL	ARNE Review	Abby	.829 ^a	.044	.740	.917
		Tim	.878 ^a	.041	.795	.961
	ALCO Review	Abby	.528 ^a	.056	.415	.641
		Tim	.663 ^a	.043	.576	.749
AvFam	ARNE Review	Abby	.629 ^a	.046	.537	.720
		Tim	.678 ^a	.042	.593	.763
	ALCO Review	Abby	.328 ^a	.058	.212	.444
		Tim	.471 ^a	.044	.382	.560
AvSCL	ARNE Review	Abby	488.060 ^a	38.733	410.336	565.783
		Tim	522.062 ^a	36.080	449.663	594.462
	ALCO Review	Abby	523.680 ^a	49.303	424.747	622.613
		Tim	567.849 ^a	37.717	492.164	643.533
HRVar_RMSSD	ARNE Review	Abby	16.374 ^a	4.319	7.708	25.040
		Tim	50.696 ^a	4.023	42.623	58.768
	ALCO Review	Abby	23.050 ^a	5.497	12.019	34.081
		Tim	48.788 ^a	4.205	40.349	57.227
HRVar_NN50	ARNE Review	Abby	10.833 ^a	4.721	1.359	20.307
		Tim	35.316 ^a	4.398	26.491	44.141
	ALCO Review	Abby	20.609 ^a	6.010	8.549	32.668
		Tim	31.789 ^a	4.597	22.564	41.014
NASA_MD	ARNE Review	Abby	69.524 ^a	2.927	63.650	75.397
		Tim	69.844 ^a	2.726	64.373	75.315
	ALCO Review	Abby	49.600 ^a	3.726	42.124	57.076
		Tim	56.576 ^a	2.850	50.857	62.296
NASA_PD	ARNE Review	Abby	25.000 ^a	3.535	17.906	32.094
		Tim	14.531 ^a	3.293	7.923	21.139
	ALCO Review	Abby	21.600 ^a	4.500	12.570	30.630
		Tim	8.597 ^a	3.443	1.689	15.505
NASA_TD	ARNE Review	Abby	65.119 ^a	4.507	56.075	74.163
		Tim	42.813 ^a	4.198	34.388	51.237
	ALCO	Abby	24.400 ^a	5.737	12.888	35.912

	Review	Tim	17.354 ^a	4.389	8.547	26.161
NASA_Performance	ARNE Review	Abby	55.833 ^a	6.983	41.822	69.845
		Tim	33.281 ^a	6.504	20.229	46.333
	ALCO Review	Abby	45.400 ^a	8.888	27.565	63.235
		Tim	29.063 ^a	6.800	15.418	42.707
NASA_Effort	ARNE Review	Abby	50.298 ^a	3.800	42.673	57.922
		Tim	59.219 ^a	3.539	52.117	66.321
	ALCO Review	Abby	43.900 ^a	4.836	34.195	53.605
		Tim	55.542 ^a	3.700	48.117	62.966
NASA_Frustration	ARNE Review	Abby	42.321 ^a	5.605	31.073	53.569
		Tim	24.062 ^a	5.221	13.585	34.540
	ALCO Review	Abby	32.100 ^a	7.135	17.783	46.417
		Tim	23.042 ^a	5.458	12.089	33.995
NASA_Score	ARNE Review	Abby	51.349 ^a	3.680	43.964	58.734
		Tim	40.625 ^a	3.428	33.746	47.504
	ALCO Review	Abby	40.796 ^a	4.685	31.396	50.196
		Tim	38.626 ^a	3.584	31.435	45.817

a. Based on modified population marginal mean.

**Robust Tests of Equality of Means - use case templates,
GenderMag learning style facet, reviewing task**

		Statistic ^a	df1	df2	Sig.
Precision	Welch	.114	1	49.772	.737
Recall	Welch	.205	1	61.951	.653
FMeasure	Welch	.093	1	53.633	.762
Duration	Welch	1.782	1	48.707	.188
FirstActDet	Welch	.458	1	60.630	.501
LastActDet	Welch	2.224	1	48.635	.142
ProcDur	Welch	2.899	1	48.970	.095
FixRel	Welch	2.814	1	52.117	.099
FixIrrel	Welch	2.382	1	49.685	.129
AvDurRelFix	Welch	1.624	1	58.831	.208
AvDurIrrelFix	Welch	1.623	1	58.104	.208
TotSac	Welch	5.596	1	49.424	.022
Sac2Key	Welch	3.642	1	59.514	.061
AvAttention	Welch	7.323	1	70.225	.009
AvMentWL	Welch	1.426	1	65.059	.237
AvFam	Welch	1.214	1	66.427	.274
AvSCL	Welch	1.079	1	58.456	.303
HRVar_RMSSD	Welch	2.406	1	46.878	.128
HRVar_NN50	Welch	2.289	1	53.557	.136
NASA_MD	Welch	1.599	1	57.476	.211
NASA_PD	Welch	.430	1	56.896	.515
NASA_TD	Welch	.381	1	60.123	.539
NASA_Performance	Welch	.748	1	59.323	.390
NASA_Effort	Welch	.237	1	52.334	.628
NASA_Frustration	Welch	.726	1	54.040	.398
NASA_Score	Welch	.002	1	60.499	.967

a. Asymptotically F distributed.

ANOVA - use case templates, GenderMag learning style facet, reviewing task

		Sum of Squares	df	Mean Square	F	Sig.
Precision	Between Groups	.010	1	.010	.119	.731
	Within Groups	6.497	78	.083		
	Total	6.507	79			
Recall	Between Groups	.014	1	.014	.181	.672
	Within Groups	5.915	78	.076		
	Total	5.929	79			
FMeasure	Between Groups	.007	1	.007	.091	.763
	Within Groups	6.280	78	.081		
	Total	6.288	79			
Duration	Between Groups	135886.842	1	135886.842	1.883	.174
	Within Groups	5629993.346	78	72179.402		
	Total	5765880.188	79			
FirstActDet	Between Groups	1698.177	1	1698.177	.411	.523
	Within Groups	322237.311	78	4131.248		
	Total	323935.487	79			
LastActDet	Between Groups	167712.308	1	167712.308	2.352	.129
	Within Groups	5560979.680	78	71294.611		
	Total	5728691.987	79			
ProcDur	Between Groups	874.564	1	874.564	3.051	.085
	Within Groups	22357.386	78	286.633		
	Total	23231.950	79			
FixRel	Between Groups	50.611	1	50.611	2.827	.097
	Within Groups	1396.452	78	17.903		
	Total	1447.063	79			
FixIrrel	Between Groups	62573.758	1	62573.758	2.479	.119
	Within Groups	1968838.185	78	25241.515		
	Total	2031411.943	79			
AvDurRelFix	Between Groups	7037.784	1	7037.784	1.492	.226
	Within Groups	367920.161	78	4716.925		
	Total	374957.946	79			
AvDurIrrelFix	Between Groups	53397.295	1	53397.295	1.505	.224
	Within Groups	2768065.105	78	35488.014		
	Total	2821462.400	79			
TotSac	Between Groups	606.122	1	606.122	5.848	.018
	Within Groups	8084.628	78	103.649		
	Total	8690.750	79			
Sac2Key	Between Groups	488.997	1	488.997	3.318	.072
	Within Groups	11496.553	78	147.392		
	Total	11985.550	79			
AvAttention	Between Groups	.227	1	.227	5.841	.018
	Within Groups	3.031	78	.039		
	Total	3.258	79			
AvMentWL	Between Groups	.059	1	.059	1.213	.274
	Within Groups	3.813	78	.049		
	Total	3.872	79			
AvFam	Between Groups	.052	1	.052	1.016	.317
	Within Groups	3.976	78	.051		
	Total	4.028	79			
AvSCL	Between Groups	20016.919	1	20016.919	.996	.321
	Within Groups	1567173.831	78	20091.972		

	Total	1587190.750	79			
HRVar_RMSSD	Between Groups	1073.684	1	1073.684	2.617	.110
	Within Groups	31996.482	78	410.211		
	Total	33070.166	79			
HRVar_NN50	Between Groups	824.010	1	824.010	2.253	.137
	Within Groups	28525.897	78	365.717		
	Total	29349.907	79			
NASA_MD	Between Groups	256.134	1	256.134	1.494	.225
	Within Groups	13368.553	78	171.392		
	Total	13624.688	79			
NASA_PD	Between Groups	121.206	1	121.206	.405	.526
	Within Groups	23345.982	78	299.307		
	Total	23467.188	79			
NASA_TD	Between Groups	216.200	1	216.200	.345	.559
	Within Groups	48913.487	78	627.096		
	Total	49129.688	79			
NASA_Performance	Between Groups	434.775	1	434.775	.683	.411
	Within Groups	49624.913	78	636.217		
	Total	50059.688	79			
NASA_Effort	Between Groups	46.209	1	46.209	.237	.627
	Within Groups	15178.791	78	194.600		
	Total	15225.000	79			
NASA_Frustration	Between Groups	302.013	1	302.013	.710	.402
	Within Groups	33177.987	78	425.359		
	Total	33480.000	79			
NASA_Score	Between Groups	.279	1	.279	.002	.968
	Within Groups	13793.292	78	176.837		
	Total	13793.572	79			

Task * LearningStyle - use case templates, GenderMag learning style facet, reviewing task

Dependent Variable	Task	LearningStyle	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Precision	ARNE Review	Abby	.470 ^a	.052	.366	.574
		Tim	.484 ^a	.042	.399	.568
	ALCO Review	Abby	.949 ^a	.069	.810	1.088
		Tim	.777 ^a	.045	.686	.867
Recall	ARNE Review	Abby	.555 ^a	.060	.435	.675
		Tim	.537 ^a	.048	.440	.634
	ALCO Review	Abby	.928 ^a	.080	.768	1.088
		Tim	.818 ^a	.052	.714	.923
FMeasure	ARNE Review	Abby	.500 ^a	.055	.389	.611
		Tim	.499 ^a	.045	.409	.589
	ALCO Review	Abby	.929 ^a	.074	.782	1.077
		Tim	.797 ^a	.048	.700	.893
Duration	ARNE Review	Abby	783.719 ^a	31.753	720.003	847.435
		Tim	802.988 ^a	25.660	751.498	854.479
	ALCO Review	Abby	264.000 ^a	42.316	179.087	348.913
		Tim	316.293 ^a	27.651	260.807	371.779
FirstActDet	ARNE Review	Abby	130.823 ^a	12.435	105.870	155.776
		Tim	151.774 ^a	10.049	131.609	171.939
	ALCO Review	Abby	163.200 ^a	16.572	129.946	196.454
		Tim	157.919 ^a	10.829	136.190	179.649
LastActDet	ARNE Review	Abby	767.875 ^a	29.755	708.166	827.584
		Tim	770.583 ^a	24.046	722.332	818.835
	ALCO Review	Abby	245.480 ^a	39.654	165.908	325.052
		Tim	296.315 ^a	25.912	244.320	348.311
ProcDur	ARNE Review	Abby	19.469 ^a	1.816	15.824	23.113
		Tim	26.012 ^a	1.468	23.067	28.957
	ALCO Review	Abby	18.520 ^a	2.420	13.663	23.377
		Tim	19.978 ^a	1.582	16.804	23.151
FixRel	ARNE Review	Abby	10.308 ^a	.201	9.905	10.711
		Tim	10.127 ^a	.162	9.802	10.453
	ALCO Review	Abby	1.666 ^a	.267	1.129	2.203
		Tim	2.087 ^a	.175	1.737	2.438
FixIrrel	ARNE Review	Abby	284.566 ^a	21.533	241.358	327.774
		Tim	272.840 ^a	17.401	237.923	307.758
	ALCO Review	Abby	4.134 ^a	28.696	-53.448	61.716
		Tim	2.373 ^a	18.751	-35.254	39.999
AvDurRelFix	ARNE Review	Abby	100.675 ^a	9.803	81.004	120.346
		Tim	96.156 ^a	7.922	80.259	112.052
	ALCO Review	Abby	179.180 ^a	13.064	152.965	205.395
		Tim	191.091 ^a	8.537	173.961	208.221
AvDurIrrelFix	ARNE Review	Abby	235.716 ^a	28.006	179.518	291.914
		Tim		22.632	179.035	269.865

	ALCO Review	Abby	224.450 ^a			
		Tim	430.540 ^a	37.322	355.647	505.433
			466.272 ^a	24.388	417.334	515.210
TotSac	ARNE Review	Abby	87.729 ^a	2.517	82.678	92.781
		Tim	91.940 ^a	2.034	87.858	96.023
	ALCO Review	Abby	91.980 ^a	3.355	85.248	98.712
		Tim	97.450 ^a	2.192	93.051	101.849
Sac2Key	ARNE Review	Abby	11.333 ^a	2.047	7.225	15.442
		Tim	10.202 ^a	1.654	6.882	13.522
	ALCO Review	Abby	27.500 ^a	2.728	22.025	32.975
		Tim	31.200 ^a	1.783	27.622	34.778
AvAttention	ARNE Review	Abby	.736 ^a	.039	.659	.814
		Tim	.765 ^a	.031	.703	.828
	ALCO Review	Abby	.710 ^a	.051	.607	.813
		Tim	.533 ^a	.034	.465	.600
AvMentWL	ARNE Review	Abby	.870 ^a	.046	.777	.962
		Tim	.838 ^a	.037	.763	.913
	ALCO Review	Abby	.600 ^a	.061	.477	.723
		Tim	.618 ^a	.040	.537	.698
AvFam	ARNE Review	Abby	.670 ^a	.048	.574	.765
		Tim	.638 ^a	.038	.561	.715
	ALCO Review	Abby	.400 ^a	.063	.273	.527
		Tim	.426 ^a	.041	.343	.509
AvSCL	ARNE Review	Abby	522.219 ^a	40.418	441.115	603.323
		Tim	487.881 ^a	32.662	422.339	553.423
	ALCO Review	Abby	483.080 ^a	53.863	374.996	591.164
		Tim	593.224 ^a	35.197	522.596	663.851
HRVar_RMSSD	ARNE Review	Abby	40.719 ^a	4.506	31.676	49.762
		Tim	27.776 ^a	3.642	20.468	35.084
	ALCO Review	Abby	36.985 ^a	6.006	24.934	49.036
		Tim	40.079 ^a	3.924	32.204	47.954
HRVar_NN50	ARNE Review	Abby	27.583 ^a	4.927	17.697	37.469
		Tim	19.671 ^a	3.981	11.682	27.660
	ALCO Review	Abby	27.335 ^a	6.565	14.160	40.509
		Tim	27.585 ^a	4.290	18.977	36.194
NASA_MD	ARNE Review	Abby	70.417 ^a	3.054	64.288	76.545
		Tim	68.869 ^a	2.468	63.916	73.822
	ALCO Review	Abby	52.300 ^a	4.070	44.132	60.468
		Tim	54.889 ^a	2.660	49.552	60.226
NASA_PD	ARNE Review	Abby	19.687 ^a	3.689	12.285	27.090
		Tim	19.107 ^a	2.981	13.125	25.089
	ALCO Review	Abby	10.200 ^a	4.916	.335	20.065
		Tim	15.722 ^a	3.212	9.276	22.168
NASA_TD	ARNE Review	Abby	52.083 ^a	4.703	42.646	61.521
		Tim	54.524 ^a	3.801	46.897	62.150
	ALCO	Abby	9.100 ^a	6.268	-3.477	21.677

	Review	Tim	26.917 ^a	4.096	18.698	35.135
NASA_Performance	ARNE Review	Abby	40.052 ^a	7.286	25.431	54.673
		Tim	48.095 ^a	5.888	36.280	59.911
	ALCO Review	Abby	30.500 ^a	9.710	11.015	49.985
		Tim	38.375 ^a	6.345	25.643	51.107
NASA_Effort	ARNE Review	Abby	55.625 ^a	3.965	47.669	63.581
		Tim	54.405 ^a	3.204	47.975	60.834
	ALCO Review	Abby	48.700 ^a	5.284	38.097	59.303
		Tim	52.542 ^a	3.453	45.613	59.470
NASA_Frustration	ARNE Review	Abby	31.979 ^a	5.849	20.242	43.716
		Tim	33.274 ^a	4.727	23.789	42.759
	ALCO Review	Abby	19.200 ^a	7.795	3.558	34.842
		Tim	31.104 ^a	5.094	20.883	41.325
NASA_Score	ARNE Review	Abby	44.974 ^a	3.840	37.268	52.680
		Tim	46.379 ^a	3.103	40.151	52.606
	ALCO Review	Abby	35.722 ^a	5.118	25.452	45.992
		Tim	41.797 ^a	3.344	35.086	48.508

a. Based on modified population marginal mean.