

Tests of Normality - i\* concrete syntaxes, GenderMag motivation facet, creation task

	Motivation	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.107	34	.200 <sup>*</sup>	.974	34	.565
	Tim	.158	56	.001	.940	56	.007
Recall	Abby	.102	34	.200 <sup>*</sup>	.967	34	.375
	Tim	.173	56	.000	.954	56	.031
FMeasure	Abby	.106	34	.200 <sup>*</sup>	.950	34	.126
	Tim	.103	56	.200 <sup>*</sup>	.982	56	.550
Duration	Abby	.302	34	.000	.803	34	.000
	Tim	.217	56	.000	.837	56	.000
FirstActDet	Abby	.129	34	.162	.936	34	.049
	Tim	.199	56	.000	.850	56	.000
LastActDet	Abby	.242	34	.000	.818	34	.000
	Tim	.153	56	.002	.890	56	.000
ProcDur	Abby	.321	34	.000	.617	34	.000
	Tim	.271	56	.000	.785	56	.000
FixRel	Abby	.162	34	.025	.908	34	.007
	Tim	.194	56	.000	.875	56	.000
FixIrrel	Abby	.174	34	.011	.849	34	.000
	Tim	.160	56	.001	.871	56	.000
AvDurRelFix	Abby	.283	34	.000	.802	34	.000
	Tim	.219	56	.000	.882	56	.000
AvDurIrrelFix	Abby	.221	34	.000	.882	34	.002
	Tim	.149	56	.003	.929	56	.003
TotSac	Abby	.127	34	.181	.945	34	.087
	Tim	.121	56	.040	.922	56	.001
Sac2Key	Abby	.191	34	.003	.858	34	.000
	Tim	.185	56	.000	.860	56	.000
AvAttention	Abby	.230	34	.000	.892	34	.003
	Tim	.166	56	.001	.934	56	.004
AvMentWL	Abby	.158	34	.031	.936	34	.046
	Tim	.138	56	.010	.925	56	.002
AvFam	Abby	.197	34	.002	.927	34	.026
	Tim	.166	56	.001	.939	56	.007
AvSCL	Abby	.113	34	.200 <sup>*</sup>	.960	34	.241
	Tim	.093	56	.200 <sup>*</sup>	.961	56	.070
HRVar_RMSSD	Abby	.219	34	.000	.897	34	.004
	Tim	.136	56	.012	.937	56	.006
HRVar_NN50	Abby	.196	34	.002	.854	34	.000
	Tim	.156	56	.002	.902	56	.000
NASA_MD	Abby	.216	34	.000	.912	34	.010
	Tim	.177	56	.000	.913	56	.001
NASA_PD	Abby	.318	34	.000	.715	34	.000
	Tim	.272	56	.000	.691	56	.000
NASA_TD	Abby	.175	34	.009	.913	34	.011
	Tim	.245	56	.000	.832	56	.000
NASA_Performance	Abby	.117	34	.200 <sup>*</sup>	.943	34	.075
	Tim	.247	56	.000	.788	56	.000
NASA_Effort	Abby	.160	34	.027	.942	34	.070

	Tim	.179	56	.000	.922	56	.001
NASA_Frustration	Abby	.139	34	.094	.937	34	.052
	Tim	.135	56	.013	.898	56	.000
NASA_Score	Abby	.092	34	.200*	.961	34	.254
	Tim	.216	56	.000	.834	56	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag information processing facet, creation task

	InformationProcessing	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.128	70	.006	.955	70	.014
	Tim	.179	20	.094	.931	20	.159
Recall	Abby	.136	70	.002	.960	70	.024
	Tim	.162	20	.182	.935	20	.193
FMeasure	Abby	.075	70	.200 <sup>*</sup>	.987	70	.683
	Tim	.124	20	.200 <sup>*</sup>	.952	20	.395
Duration	Abby	.219	70	.000	.847	70	.000
	Tim	.346	20	.000	.731	20	.000
FirstActDet	Abby	.160	70	.000	.892	70	.000
	Tim	.137	20	.200 <sup>*</sup>	.926	20	.132
LastActDet	Abby	.176	70	.000	.839	70	.000
	Tim	.372	20	.000	.741	20	.000
ProcDur	Abby	.256	70	.000	.788	70	.000
	Tim	.281	20	.000	.598	20	.000
FixRel	Abby	.172	70	.000	.885	70	.000
	Tim	.204	20	.029	.904	20	.050
FixIrrel	Abby	.156	70	.000	.878	70	.000
	Tim	.187	20	.065	.876	20	.015
AvDurRelFix	Abby	.174	70	.000	.919	70	.000
	Tim	.279	20	.000	.846	20	.004
AvDurIrrelFix	Abby	.190	70	.000	.824	70	.000
	Tim	.159	20	.199	.924	20	.121
TotSac	Abby	.120	70	.014	.934	70	.001
	Tim	.165	20	.156	.939	20	.227
Sac2Key	Abby	.185	70	.000	.860	70	.000
	Tim	.196	20	.042	.876	20	.015
AvAttention	Abby	.183	70	.000	.913	70	.000
	Tim	.263	20	.001	.867	20	.010
AvMentWL	Abby	.161	70	.000	.904	70	.000
	Tim	.230	20	.007	.917	20	.086
AvFam	Abby	.187	70	.000	.932	70	.001
	Tim	.229	20	.007	.875	20	.014
AvSCL	Abby	.072	70	.200 <sup>*</sup>	.973	70	.129
	Tim	.164	20	.163	.931	20	.158
HRVar_RMSSD	Abby	.137	70	.002	.936	70	.001
	Tim	.197	20	.041	.886	20	.023
HRVar_NN50	Abby	.178	70	.000	.880	70	.000
	Tim	.163	20	.174	.896	20	.034
NASA_MD	Abby	.226	70	.000	.885	70	.000
	Tim	.282	20	.000	.831	20	.003
NASA_PD	Abby	.332	70	.000	.649	70	.000
	Tim	.306	20	.000	.796	20	.001
NASA_TD	Abby	.198	70	.000	.882	70	.000
	Tim	.245	20	.003	.817	20	.002
NASA_Performance	Abby	.148	70	.001	.875	70	.000
	Tim	.218	20	.014	.826	20	.002

NASA_Effort	Abby	.152	70	.000	.934	70	.001
	Tim	.230	20	.007	.901	20	.043
NASA_Frustration	Abby	.164	70	.000	.905	70	.000
	Tim	.227	20	.008	.858	20	.007
NASA_Score	Abby	.141	70	.002	.915	70	.000
	Tim	.214	20	.017	.833	20	.003

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag self-efficacy facet, creation task

	SelfEfficacy	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.133	57	.014	.963	57	.076
	Tim	.146	33	.070	.950	33	.134
Recall	Abby	.108	57	.095	.963	57	.080
	Tim	.197	33	.002	.941	33	.071
FMeasure	Abby	.087	57	.200 <sup>*</sup>	.989	57	.871
	Tim	.153	33	.047	.942	33	.079
Duration	Abby	.239	57	.000	.797	57	.000
	Tim	.273	33	.000	.863	33	.001
FirstActDet	Abby	.137	57	.010	.908	57	.000
	Tim	.171	33	.016	.894	33	.004
LastActDet	Abby	.152	57	.002	.867	57	.000
	Tim	.269	33	.000	.865	33	.001
ProcDur	Abby	.223	57	.000	.841	57	.000
	Tim	.269	33	.000	.583	33	.000
FixRel	Abby	.166	57	.000	.884	57	.000
	Tim	.180	33	.008	.895	33	.004
FixIrrel	Abby	.157	57	.001	.878	57	.000
	Tim	.195	33	.003	.801	33	.000
AvDurRelFix	Abby	.141	57	.007	.956	57	.036
	Tim	.255	33	.000	.854	33	.000
AvDurIrrelFix	Abby	.172	57	.000	.863	57	.000
	Tim	.178	33	.010	.913	33	.012
TotSac	Abby	.131	57	.016	.931	57	.003
	Tim	.114	33	.200 <sup>*</sup>	.948	33	.114
Sac2Key	Abby	.177	57	.000	.862	57	.000
	Tim	.198	33	.002	.858	33	.001
AvAttention	Abby	.166	57	.000	.926	57	.002
	Tim	.205	33	.001	.891	33	.003
AvMentWL	Abby	.163	57	.001	.891	57	.000
	Tim	.135	33	.134	.938	33	.058
AvFam	Abby	.189	57	.000	.929	57	.002
	Tim	.178	33	.010	.916	33	.014
AvSCL	Abby	.086	57	.200 <sup>*</sup>	.961	57	.066
	Tim	.089	33	.200 <sup>*</sup>	.977	33	.690
HRVar_RMSSD	Abby	.134	57	.012	.933	57	.003
	Tim	.197	33	.002	.904	33	.007
HRVar_NN50	Abby	.199	57	.000	.845	57	.000
	Tim	.153	33	.048	.909	33	.009
NASA_MD	Abby	.240	57	.000	.870	57	.000
	Tim	.198	33	.002	.920	33	.018
NASA_PD	Abby	.348	57	.000	.623	57	.000
	Tim	.300	33	.000	.800	33	.000
NASA_TD	Abby	.212	57	.000	.875	57	.000
	Tim	.245	33	.000	.861	33	.001
NASA_Performance	Abby	.137	57	.009	.888	57	.000
	Tim	.297	33	.000	.801	33	.000
NASA_Effort	Abby	.182	57	.000	.920	57	.001

	Tim	.202	33	.001	.930	33	.035
NASA_Frustration	Abby	.164	57	.001	.897	57	.000
	Tim	.186	33	.005	.885	33	.002
NASA_Score	Abby	.135	57	.011	.913	57	.001
	Tim	.194	33	.003	.866	33	.001

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag risk facet, creation task

	Risk	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.291	31	.000	.844	31	.000
	Tim	.123	59	.027	.959	59	.044
Recall	Abby	.113	31	.200*	.977	31	.718
	Tim	.151	59	.002	.956	59	.031
FMeasure	Abby	.131	31	.190	.961	31	.318
	Tim	.075	59	.200*	.980	59	.419
Duration	Abby	.301	31	.000	.769	31	.000
	Tim	.247	59	.000	.838	59	.000
FirstActDet	Abby	.113	31	.200*	.943	31	.101
	Tim	.192	59	.000	.855	59	.000
LastActDet	Abby	.245	31	.000	.820	31	.000
	Tim	.177	59	.000	.849	59	.000
ProcDur	Abby	.388	31	.000	.663	31	.000
	Tim	.248	59	.000	.750	59	.000
FixRel	Abby	.219	31	.001	.891	31	.004
	Tim	.188	59	.000	.870	59	.000
FixIrrel	Abby	.181	31	.011	.865	31	.001
	Tim	.153	59	.001	.894	59	.000
AvDurRelFix	Abby	.329	31	.000	.760	31	.000
	Tim	.200	59	.000	.885	59	.000
AvDurIrrelFix	Abby	.136	31	.154	.948	31	.138
	Tim	.193	59	.000	.877	59	.000
TotSac	Abby	.156	31	.053	.917	31	.020
	Tim	.128	59	.017	.928	59	.002
Sac2Key	Abby	.197	31	.004	.895	31	.005
	Tim	.216	59	.000	.835	59	.000
AvAttention	Abby	.187	31	.007	.916	31	.019
	Tim	.214	59	.000	.906	59	.000
AvMentWL	Abby	.112	31	.200*	.938	31	.075
	Tim	.124	59	.024	.931	59	.002
AvFam	Abby	.205	31	.002	.917	31	.020
	Tim	.216	59	.000	.930	59	.002
AvSCL	Abby	.146	31	.093	.939	31	.078
	Tim	.114	59	.055	.957	59	.035
HRVar_RMSSD	Abby	.240	31	.000	.795	31	.000
	Tim	.150	59	.002	.947	59	.012
HRVar_NN50	Abby	.197	31	.003	.865	31	.001
	Tim	.192	59	.000	.890	59	.000
NASA_MD	Abby	.267	31	.000	.844	31	.000
	Tim	.183	59	.000	.894	59	.000
NASA_PD	Abby	.328	31	.000	.714	31	.000
	Tim	.261	59	.000	.723	59	.000
NASA_TD	Abby	.246	31	.000	.871	31	.001
	Tim	.221	59	.000	.855	59	.000
NASA_Performance	Abby	.134	31	.167	.937	31	.068
	Tim	.237	59	.000	.801	59	.000
NASA_Effort	Abby	.193	31	.005	.894	31	.005

	Tim	.176	59	.000	.920	59	.001
NASA_Frustration	Abby	.243	31	.000	.883	31	.003
	Tim	.117	59	.044	.923	59	.001
NASA_Score	Abby	.100	31	.200*	.950	31	.155
	Tim	.195	59	.000	.841	59	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



Tests of Normality - i\* concrete syntaxes, GenderMag learning style facet, creation task

	LearningStyle	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.170	28	.037	.939	28	.107
	Tim	.124	62	.018	.958	62	.033
Recall	Abby	.133	28	.200 <sup>*</sup>	.970	28	.574
	Tim	.133	62	.008	.966	62	.079
FMeasure	Abby	.113	28	.200 <sup>*</sup>	.975	28	.712
	Tim	.088	62	.200 <sup>*</sup>	.975	62	.226
Duration	Abby	.298	28	.000	.819	28	.000
	Tim	.211	62	.000	.849	62	.000
FirstActDet	Abby	.187	28	.014	.941	28	.117
	Tim	.198	62	.000	.857	62	.000
LastActDet	Abby	.278	28	.000	.824	28	.000
	Tim	.146	62	.002	.838	62	.000
ProcDur	Abby	.366	28	.000	.699	28	.000
	Tim	.260	62	.000	.729	62	.000
FixRel	Abby	.208	28	.003	.888	28	.006
	Tim	.188	62	.000	.880	62	.000
FixIrrel	Abby	.175	28	.028	.873	28	.003
	Tim	.153	62	.001	.895	62	.000
AvDurRelFix	Abby	.299	28	.000	.802	28	.000
	Tim	.213	62	.000	.866	62	.000
AvDurIrrelFix	Abby	.233	28	.000	.926	28	.048
	Tim	.147	62	.002	.892	62	.000
TotSac	Abby	.152	28	.095	.924	28	.044
	Tim	.119	62	.029	.942	62	.005
Sac2Key	Abby	.227	28	.001	.862	28	.002
	Tim	.172	62	.000	.857	62	.000
AvAttention	Abby	.191	28	.010	.892	28	.007
	Tim	.190	62	.000	.931	62	.002
AvMentWL	Abby	.135	28	.200 <sup>*</sup>	.917	28	.030
	Tim	.151	62	.001	.934	62	.002
AvFam	Abby	.183	28	.017	.910	28	.020
	Tim	.213	62	.000	.923	62	.001
AvSCL	Abby	.128	28	.200 <sup>*</sup>	.936	28	.086
	Tim	.084	62	.200 <sup>*</sup>	.952	62	.017
HRVar_RMSSD	Abby	.224	28	.001	.867	28	.002
	Tim	.127	62	.014	.949	62	.012
HRVar_NN50	Abby	.273	28	.000	.847	28	.001
	Tim	.147	62	.002	.900	62	.000
NASA_MD	Abby	.167	28	.044	.927	28	.053
	Tim	.202	62	.000	.902	62	.000
NASA_PD	Abby	.317	28	.000	.745	28	.000
	Tim	.264	62	.000	.683	62	.000
NASA_TD	Abby	.183	28	.018	.898	28	.010
	Tim	.254	62	.000	.854	62	.000
NASA_Performance	Abby	.179	28	.022	.863	28	.002
	Tim	.175	62	.000	.866	62	.000
NASA_Effort	Abby	.170	28	.037	.932	28	.069

	Tim	.155	62	.001	.936	62	.003
NASA_Frustration	Abby	.160	28	.065	.881	28	.004
	Tim	.136	62	.006	.897	62	.000
NASA_Score	Abby	.183	28	.017	.887	28	.006
	Tim	.162	62	.000	.893	62	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag motivation facet, modification task

	Motivation	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.155	34	.037	.962	34	.281
	Tim	.151	56	.003	.958	56	.051
Recall	Abby	.122	34	.200 <sup>*</sup>	.966	34	.355
	Tim	.169	56	.000	.921	56	.001
FMeasure	Abby	.076	34	.200 <sup>*</sup>	.959	34	.230
	Tim	.116	56	.056	.959	56	.053
Duration	Abby	.230	34	.000	.820	34	.000
	Tim	.185	56	.000	.896	56	.000
FirstActDet	Abby	.246	34	.000	.855	34	.000
	Tim	.191	56	.000	.894	56	.000
LastActDet	Abby	.169	34	.015	.892	34	.003
	Tim	.116	56	.060	.949	56	.020
ProcDur	Abby	.298	34	.000	.739	34	.000
	Tim	.222	56	.000	.787	56	.000
FixRel	Abby	.168	34	.016	.894	34	.003
	Tim	.171	56	.000	.892	56	.000
FixIrrel	Abby	.185	34	.005	.827	34	.000
	Tim	.185	56	.000	.839	56	.000
AvDurRelFix	Abby	.287	34	.000	.697	34	.000
	Tim	.282	56	.000	.810	56	.000
AvDurIrrelFix	Abby	.202	34	.001	.870	34	.001
	Tim	.198	56	.000	.896	56	.000
TotSac	Abby	.131	34	.151	.917	34	.013
	Tim	.136	56	.011	.941	56	.008
Sac2Key	Abby	.226	34	.000	.844	34	.000
	Tim	.203	56	.000	.883	56	.000
AvAttention	Abby	.173	34	.011	.921	34	.017
	Tim	.140	56	.008	.926	56	.002
AvMentWL	Abby	.134	34	.126	.948	34	.108
	Tim	.144	56	.005	.945	56	.013
AvFam	Abby	.180	34	.007	.918	34	.014
	Tim	.194	56	.000	.919	56	.001
AvSCL	Abby	.120	34	.200 <sup>*</sup>	.932	34	.035
	Tim	.089	56	.200 <sup>*</sup>	.964	56	.098
HRVar_RMSSD	Abby	.198	34	.002	.870	34	.001
	Tim	.151	56	.003	.925	56	.002
HRVar_NN50	Abby	.216	34	.000	.817	34	.000
	Tim	.172	56	.000	.893	56	.000
NASA_MD	Abby	.158	34	.030	.937	34	.050
	Tim	.234	56	.000	.803	56	.000
NASA_PD	Abby	.292	34	.000	.707	34	.000
	Tim	.262	56	.000	.807	56	.000
NASA_TD	Abby	.190	34	.003	.905	34	.006
	Tim	.153	56	.002	.909	56	.000
NASA_Performance	Abby	.123	34	.200 <sup>*</sup>	.958	34	.214
	Tim	.199	56	.000	.883	56	.000

NASA_Effort	Abby	.099	34	.200*	.968	34	.400
	Tim	.161	56	.001	.935	56	.005
NASA_Frustration	Abby	.170	34	.014	.921	34	.017
	Tim	.099	56	.200*	.962	56	.077
NASA_Score	Abby	.146	34	.063	.949	34	.118
	Tim	.216	56	.000	.904	56	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag information processing facet, modification task

	InformationProcessing	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.112	59	.065	.970	59	.160
	Tim	.139	31	.129	.941	31	.088
Recall	Abby	.115	59	.049	.949	59	.015
	Tim	.171	31	.022	.929	31	.042
FMeasure	Abby	.070	59	.200 <sup>*</sup>	.973	59	.210
	Tim	.118	31	.200 <sup>*</sup>	.949	31	.148
Duration	Abby	.170	59	.000	.881	59	.000
	Tim	.357	31	.000	.751	31	.000
FirstActDet	Abby	.258	59	.000	.841	59	.000
	Tim	.178	31	.013	.918	31	.021
LastActDet	Abby	.081	59	.200 <sup>*</sup>	.960	59	.049
	Tim	.337	31	.000	.785	31	.000
ProcDur	Abby	.158	59	.001	.870	59	.000
	Tim	.318	31	.000	.488	31	.000
FixRel	Abby	.212	59	.000	.864	59	.000
	Tim	.187	31	.007	.896	31	.006
FixIrrel	Abby	.157	59	.001	.865	59	.000
	Tim	.279	31	.000	.841	31	.000
AvDurRelFix	Abby	.204	59	.000	.800	59	.000
	Tim	.374	31	.000	.710	31	.000
AvDurIrrelFix	Abby	.199	59	.000	.815	59	.000
	Tim	.227	31	.000	.865	31	.001
TotSac	Abby	.117	59	.042	.920	59	.001
	Tim	.222	31	.000	.924	31	.031
Sac2Key	Abby	.222	59	.000	.844	59	.000
	Tim	.260	31	.000	.863	31	.001
AvAttention	Abby	.146	59	.003	.923	59	.001
	Tim	.295	31	.000	.829	31	.000
AvMentWL	Abby	.162	59	.001	.934	59	.003
	Tim	.144	31	.100	.949	31	.143
AvFam	Abby	.188	59	.000	.938	59	.005
	Tim	.276	31	.000	.834	31	.000
AvSCL	Abby	.091	59	.200 <sup>*</sup>	.969	59	.138
	Tim	.200	31	.003	.931	31	.046
HRVar_RMSSD	Abby	.156	59	.001	.929	59	.002
	Tim	.206	31	.002	.808	31	.000
HRVar_NN50	Abby	.174	59	.000	.886	59	.000
	Tim	.207	31	.002	.829	31	.000
NASA_MD	Abby	.197	59	.000	.856	59	.000
	Tim	.276	31	.000	.801	31	.000
NASA_PD	Abby	.331	59	.000	.655	59	.000
	Tim	.330	31	.000	.780	31	.000
NASA_TD	Abby	.214	59	.000	.876	59	.000
	Tim	.328	31	.000	.818	31	.000
NASA_Performance	Abby	.174	59	.000	.912	59	.000
	Tim	.285	31	.000	.861	31	.001

NASA_Effort	Abby	.145	59	.004	.936	59	.004
	Tim	.280	31	.000	.822	31	.000
NASA_Frustration	Abby	.138	59	.007	.950	59	.016
	Tim	.335	31	.000	.816	31	.000
NASA_Score	Abby	.141	59	.005	.947	59	.013
	Tim	.284	31	.000	.838	31	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag self-efficacy facet, modification task

	SelfEfficacy	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.088	56	.200 <sup>*</sup>	.979	56	.433
	Tim	.155	34	.038	.952	34	.145
Recall	Abby	.105	56	.191	.959	56	.055
	Tim	.197	34	.002	.914	34	.011
FMeasure	Abby	.070	56	.200 <sup>*</sup>	.976	56	.334
	Tim	.163	34	.022	.915	34	.012
Duration	Abby	.168	56	.000	.859	56	.000
	Tim	.259	34	.000	.846	34	.000
FirstActDet	Abby	.204	56	.000	.887	56	.000
	Tim	.217	34	.000	.877	34	.001
LastActDet	Abby	.080	56	.200 <sup>*</sup>	.959	56	.052
	Tim	.242	34	.000	.857	34	.000
ProcDur	Abby	.200	56	.000	.815	56	.000
	Tim	.332	34	.000	.636	34	.000
FixRel	Abby	.181	56	.000	.877	56	.000
	Tim	.147	34	.059	.896	34	.004
FixIrrel	Abby	.162	56	.001	.851	56	.000
	Tim	.182	34	.006	.908	34	.007
AvDurRelFix	Abby	.250	56	.000	.734	56	.000
	Tim	.269	34	.000	.791	34	.000
AvDurIrrelFix	Abby	.204	56	.000	.840	56	.000
	Tim	.194	34	.002	.910	34	.009
TotSac	Abby	.126	56	.027	.924	56	.002
	Tim	.164	34	.021	.936	34	.046
Sac2Key	Abby	.190	56	.000	.864	56	.000
	Tim	.214	34	.000	.866	34	.001
AvAttention	Abby	.154	56	.002	.934	56	.004
	Tim	.154	34	.039	.927	34	.025
AvMentWL	Abby	.150	56	.003	.941	56	.008
	Tim	.142	34	.080	.945	34	.087
AvFam	Abby	.181	56	.000	.937	56	.006
	Tim	.196	34	.002	.905	34	.006
AvSCL	Abby	.094	56	.200 <sup>*</sup>	.970	56	.169
	Tim	.143	34	.075	.944	34	.082
HRVar_RMSSD	Abby	.158	56	.001	.927	56	.002
	Tim	.189	34	.003	.867	34	.001
HRVar_NN50	Abby	.193	56	.000	.874	56	.000
	Tim	.181	34	.006	.863	34	.001
NASA_MD	Abby	.175	56	.000	.843	56	.000
	Tim	.226	34	.000	.902	34	.005
NASA_PD	Abby	.326	56	.000	.715	56	.000
	Tim	.237	34	.000	.813	34	.000
NASA_TD	Abby	.193	56	.000	.885	56	.000
	Tim	.205	34	.001	.943	34	.073
NASA_Performance	Abby	.157	56	.002	.917	56	.001
	Tim	.164	34	.021	.932	34	.037

NASA_Effort	Abby	.136	56	.011	.945	56	.013
	Tim	.141	34	.084	.962	34	.272
NASA_Frustration	Abby	.093	56	.200*	.963	56	.082
	Tim	.211	34	.001	.905	34	.006
NASA_Score	Abby	.168	56	.000	.940	56	.008
	Tim	.160	34	.028	.923	34	.020

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



Tests of Normality - i\* concrete syntaxes, GenderMag risk facet, modification task

	Risk	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.152	36	.034	.940	36	.050
	Tim	.148	54	.005	.940	54	.009
Recall	Abby	.129	36	.134	.965	36	.305
	Tim	.137	54	.013	.921	54	.002
FMeasure	Abby	.079	36	.200 <sup>*</sup>	.984	36	.877
	Tim	.117	54	.064	.922	54	.002
Duration	Abby	.334	36	.000	.807	36	.000
	Tim	.194	54	.000	.885	54	.000
FirstActDet	Abby	.175	36	.007	.934	36	.034
	Tim	.283	54	.000	.802	54	.000
LastActDet	Abby	.263	36	.000	.883	36	.001
	Tim	.115	54	.071	.964	54	.102
ProcDur	Abby	.369	36	.000	.613	36	.000
	Tim	.203	54	.000	.834	54	.000
FixRel	Abby	.201	36	.001	.900	36	.003
	Tim	.202	54	.000	.862	54	.000
FixIrrel	Abby	.261	36	.000	.760	36	.000
	Tim	.149	54	.004	.887	54	.000
AvDurRelFix	Abby	.384	36	.000	.667	36	.000
	Tim	.204	54	.000	.868	54	.000
AvDurIrrelFix	Abby	.216	36	.000	.907	36	.005
	Tim	.180	54	.000	.866	54	.000
TotSac	Abby	.213	36	.000	.898	36	.003
	Tim	.132	54	.020	.927	54	.003
Sac2Key	Abby	.245	36	.000	.844	36	.000
	Tim	.212	54	.000	.847	54	.000
AvAttention	Abby	.188	36	.003	.913	36	.008
	Tim	.142	54	.009	.950	54	.024
AvMentWL	Abby	.154	36	.030	.932	36	.030
	Tim	.166	54	.001	.923	54	.002
AvFam	Abby	.214	36	.000	.876	36	.001
	Tim	.179	54	.000	.936	54	.006
AvSCL	Abby	.164	36	.016	.956	36	.167
	Tim	.091	54	.200 <sup>*</sup>	.959	54	.062
HRVar_RMSSD	Abby	.164	36	.015	.802	36	.000
	Tim	.142	54	.008	.939	54	.008
HRVar_NN50	Abby	.223	36	.000	.789	36	.000
	Tim	.150	54	.004	.901	54	.000
NASA_MD	Abby	.211	36	.000	.874	36	.001
	Tim	.235	54	.000	.847	54	.000
NASA_PD	Abby	.349	36	.000	.747	36	.000
	Tim	.270	54	.000	.727	54	.000
NASA_TD	Abby	.197	36	.001	.890	36	.002
	Tim	.181	54	.000	.902	54	.000
NASA_Performance	Abby	.213	36	.000	.908	36	.006
	Tim	.227	54	.000	.891	54	.000
NASA_Effort	Abby	.247	36	.000	.904	36	.004

	Tim	.173	54	.000	.932	54	.004
NASA_Frustration	Abby	.230	36	.000	.877	36	.001
	Tim	.114	54	.079	.962	54	.082
NASA_Score	Abby	.212	36	.000	.903	36	.004
	Tim	.117	54	.062	.944	54	.014

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i* concrete syntaxes, GenderMag learning style facet, modification task							
	LearningStyle	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.131	25	.200*	.957	25	.356
	Tim	.094	65	.200*	.974	65	.194
Recall	Abby	.155	25	.125	.950	25	.252
	Tim	.121	65	.020	.944	65	.005
FMeasure	Abby	.098	25	.200*	.980	25	.879
	Tim	.122	65	.018	.943	65	.005
Duration	Abby	.275	25	.000	.848	25	.002
	Tim	.166	65	.000	.904	65	.000
FirstActDet	Abby	.175	25	.047	.895	25	.014
	Tim	.290	65	.000	.798	65	.000
LastActDet	Abby	.276	25	.000	.850	25	.002
	Tim	.098	65	.193	.963	65	.050
ProcDur	Abby	.365	25	.000	.666	25	.000
	Tim	.213	65	.000	.823	65	.000
FixRel	Abby	.175	25	.047	.895	25	.015
	Tim	.169	65	.000	.891	65	.000
FixIrrel	Abby	.246	25	.000	.700	25	.000
	Tim	.157	65	.000	.867	65	.000
AvDurRelFix	Abby	.367	25	.000	.724	25	.000
	Tim	.231	65	.000	.851	65	.000
AvDurIrrelFix	Abby	.260	25	.000	.885	25	.009
	Tim	.173	65	.000	.895	65	.000
TotSac	Abby	.147	25	.169	.932	25	.097
	Tim	.125	65	.013	.933	65	.002
Sac2Key	Abby	.203	25	.009	.871	25	.005
	Tim	.208	65	.000	.861	65	.000
AvAttention	Abby	.123	25	.200*	.942	25	.168
	Tim	.164	65	.000	.940	65	.003
AvMentWL	Abby	.143	25	.197	.955	25	.322
	Tim	.137	65	.004	.941	65	.004
AvFam	Abby	.207	25	.007	.908	25	.027
	Tim	.173	65	.000	.931	65	.001
AvSCL	Abby	.113	25	.200*	.973	25	.724
	Tim	.107	65	.061	.960	65	.035
HRVar_RMSSD	Abby	.251	25	.000	.834	25	.001
	Tim	.153	65	.001	.929	65	.001
HRVar_NN50	Abby	.214	25	.005	.835	25	.001
	Tim	.171	65	.000	.881	65	.000
NASA_MD	Abby	.160	25	.100	.907	25	.026
	Tim	.183	65	.000	.883	65	.000
NASA_PD	Abby	.259	25	.000	.792	25	.000
	Tim	.266	65	.000	.761	65	.000
NASA_TD	Abby	.174	25	.048	.894	25	.013
	Tim	.156	65	.000	.921	65	.000
NASA_Performance	Abby	.128	25	.200*	.934	25	.105
	Tim	.170	65	.000	.925	65	.001

NASA_Effort	Abby	.143	25	.200*	.961	25	.444
	Tim	.139	65	.003	.954	65	.017
NASA_Frustration	Abby	.186	25	.026	.929	25	.081
	Tim	.109	65	.054	.957	65	.025
NASA_Score	Abby	.119	25	.200*	.940	25	.148
	Tim	.166	65	.000	.933	65	.002

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag motivation facet, understanding task

	Motivation	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.139	28	.176	.929	28	.059
	Tim	.143	52	.010	.888	52	.000
Recall	Abby	.167	28	.045	.906	28	.015
	Tim	.196	52	.000	.817	52	.000
FMeasure	Abby	.098	28	.200 <sup>*</sup>	.968	28	.530
	Tim	.224	52	.000	.772	52	.000
Duration	Abby	.202	28	.005	.861	28	.002
	Tim	.099	52	.200 <sup>*</sup>	.953	52	.037
FirstActDet	Abby	.214	28	.002	.925	28	.045
	Tim	.243	52	.000	.887	52	.000
LastActDet	Abby	.202	28	.005	.874	28	.003
	Tim	.087	52	.200 <sup>*</sup>	.957	52	.060
ProcDur	Abby	.167	28	.044	.913	28	.024
	Tim	.231	52	.000	.832	52	.000
FixRel	Abby	.169	28	.039	.920	28	.036
	Tim	.151	52	.005	.888	52	.000
FixIrrel	Abby	.287	28	.000	.671	28	.000
	Tim	.194	52	.000	.787	52	.000
AvDurRelFix	Abby	.215	28	.002	.855	28	.001
	Tim	.102	52	.200 <sup>*</sup>	.952	52	.034
AvDurIrrelFix	Abby	.177	28	.025	.869	28	.002
	Tim	.124	52	.044	.947	52	.021
TotSac	Abby	.175	28	.028	.923	28	.041
	Tim	.087	52	.200 <sup>*</sup>	.961	52	.088
Sac2Key	Abby	.168	28	.042	.956	28	.284
	Tim	.110	52	.161	.961	52	.084
AvAttention	Abby	.176	28	.026	.924	28	.044
	Tim	.120	52	.061	.969	52	.190
AvMentWL	Abby	.169	28	.038	.875	28	.003
	Tim	.142	52	.011	.956	52	.052
AvFam	Abby	.226	28	.001	.884	28	.005
	Tim	.185	52	.000	.935	52	.007
AvSCL	Abby	.223	28	.001	.870	28	.002
	Tim	.125	52	.040	.953	52	.037
HRVar_RMSSD	Abby	.276	28	.000	.805	28	.000
	Tim	.175	52	.000	.933	52	.006
HRVar_NN50	Abby	.214	28	.002	.825	28	.000
	Tim	.177	52	.000	.894	52	.000
NASA_MD	Abby	.214	28	.002	.923	28	.042
	Tim	.167	52	.001	.954	52	.045
NASA_PD	Abby	.331	28	.000	.705	28	.000
	Tim	.328	52	.000	.639	52	.000
NASA_TD	Abby	.228	28	.001	.892	28	.007
	Tim	.220	52	.000	.844	52	.000
NASA_Performance	Abby	.296	28	.000	.794	28	.000
	Tim	.150	52	.005	.937	52	.008

NASA_Effort	Abby	.197	28	.007	.939	28	.107
	Tim	.108	52	.186	.969	52	.198
NASA_Frustration	Abby	.313	28	.000	.840	28	.001
	Tim	.170	52	.001	.936	52	.008
NASA_Score	Abby	.239	28	.000	.911	28	.021
	Tim	.170	52	.001	.911	52	.001

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag information processing facet, understanding task

	InformationProcessing	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.169	52	.001	.919	52	.002
	Tim	.186	28	.014	.880	28	.004
Recall	Abby	.170	52	.001	.878	52	.000
	Tim	.297	28	.000	.809	28	.000
FMeasure	Abby	.062	52	.200 <sup>*</sup>	.980	52	.531
	Tim	.240	28	.000	.842	28	.001
Duration	Abby	.122	52	.052	.945	52	.018
	Tim	.224	28	.001	.860	28	.001
FirstActDet	Abby	.221	52	.000	.910	52	.001
	Tim	.193	28	.009	.912	28	.022
LastActDet	Abby	.098	52	.200 <sup>*</sup>	.953	52	.041
	Tim	.206	28	.004	.878	28	.004
ProcDur	Abby	.245	52	.000	.822	52	.000
	Tim	.148	28	.122	.937	28	.092
FixRel	Abby	.182	52	.000	.875	52	.000
	Tim	.167	28	.045	.926	28	.049
FixIrrel	Abby	.207	52	.000	.813	52	.000
	Tim	.256	28	.000	.842	28	.001
AvDurRelFix	Abby	.125	52	.042	.942	52	.013
	Tim	.224	28	.001	.859	28	.001
AvDurIrrelFix	Abby	.131	52	.027	.945	52	.019
	Tim	.221	28	.001	.868	28	.002
TotSac	Abby	.087	52	.200 <sup>*</sup>	.966	52	.144
	Tim	.162	28	.057	.939	28	.103
Sac2Key	Abby	.116	52	.080	.961	52	.084
	Tim	.167	28	.043	.952	28	.225
AvAttention	Abby	.148	52	.006	.945	52	.019
	Tim	.237	28	.000	.879	28	.004
AvMentWL	Abby	.137	52	.017	.948	52	.023
	Tim	.129	28	.200 <sup>*</sup>	.969	28	.543
AvFam	Abby	.179	52	.000	.940	52	.011
	Tim	.248	28	.000	.858	28	.001
AvSCL	Abby	.170	52	.001	.938	52	.009
	Tim	.181	28	.019	.871	28	.003
HRVar_RMSSD	Abby	.152	52	.004	.928	52	.004
	Tim	.239	28	.000	.742	28	.000
HRVar_NN50	Abby	.170	52	.001	.897	52	.000
	Tim	.224	28	.001	.839	28	.001
NASA_MD	Abby	.138	52	.015	.937	52	.009
	Tim	.211	28	.003	.868	28	.002
NASA_PD	Abby	.383	52	.000	.548	52	.000
	Tim	.320	28	.000	.736	28	.000
NASA_TD	Abby	.211	52	.000	.857	52	.000
	Tim	.275	28	.000	.814	28	.000
NASA_Performance	Abby	.156	52	.003	.935	52	.007
	Tim	.306	28	.000	.809	28	.000

NASA_Effort	Abby	.123	52	.047	.950	52	.030
	Tim	.225	28	.001	.877	28	.003
NASA_Frustration	Abby	.212	52	.000	.912	52	.001
	Tim	.346	28	.000	.789	28	.000
NASA_Score	Abby	.193	52	.000	.898	52	.000
	Tim	.292	28	.000	.805	28	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



Tests of Normality - i\* concrete syntaxes, GenderMag self-efficacy facet, understanding task

	SelfEfficacy	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.138	45	.030	.870	45	.000
	Tim	.112	35	.200 <sup>*</sup>	.936	35	.043
Recall	Abby	.167	45	.003	.844	45	.000
	Tim	.214	35	.000	.841	35	.000
FMeasure	Abby	.192	45	.000	.826	45	.000
	Tim	.197	35	.001	.868	35	.001
Duration	Abby	.114	45	.177	.956	45	.085
	Tim	.242	35	.000	.855	35	.000
FirstActDet	Abby	.257	45	.000	.868	45	.000
	Tim	.174	35	.009	.940	35	.056
LastActDet	Abby	.091	45	.200 <sup>*</sup>	.962	45	.146
	Tim	.228	35	.000	.874	35	.001
ProcDur	Abby	.246	45	.000	.838	45	.000
	Tim	.156	35	.030	.925	35	.020
FixRel	Abby	.171	45	.002	.879	45	.000
	Tim	.167	35	.015	.931	35	.031
FixIrrel	Abby	.239	45	.000	.778	45	.000
	Tim	.216	35	.000	.762	35	.000
AvDurRelFix	Abby	.116	45	.158	.954	45	.070
	Tim	.244	35	.000	.851	35	.000
AvDurIrrelFix	Abby	.157	45	.007	.948	45	.043
	Tim	.218	35	.000	.873	35	.001
TotSac	Abby	.137	45	.035	.951	45	.055
	Tim	.132	35	.129	.957	35	.191
Sac2Key	Abby	.095	45	.200 <sup>*</sup>	.962	45	.141
	Tim	.178	35	.006	.945	35	.077
AvAttention	Abby	.155	45	.009	.963	45	.155
	Tim	.157	35	.029	.947	35	.092
AvMentWL	Abby	.131	45	.051	.933	45	.012
	Tim	.140	35	.081	.971	35	.474
AvFam	Abby	.177	45	.001	.933	45	.012
	Tim	.194	35	.002	.913	35	.009
AvSCL	Abby	.165	45	.004	.932	45	.011
	Tim	.192	35	.002	.896	35	.003
HRVar_RMSSD	Abby	.176	45	.001	.920	45	.004
	Tim	.202	35	.001	.858	35	.000
HRVar_NN50	Abby	.174	45	.002	.890	45	.000
	Tim	.201	35	.001	.862	35	.000
NASA_MD	Abby	.135	45	.039	.954	45	.071
	Tim	.153	35	.037	.940	35	.056
NASA_PD	Abby	.381	45	.000	.584	45	.000
	Tim	.269	35	.000	.748	35	.000
NASA_TD	Abby	.222	45	.000	.849	45	.000
	Tim	.212	35	.000	.891	35	.002
NASA_Performance	Abby	.150	45	.013	.923	45	.005
	Tim	.214	35	.000	.898	35	.004

NASA_Effort	Abby	.110	45	.200*	.971	45	.305
	Tim	.156	35	.031	.960	35	.229
NASA_Frustration	Abby	.182	45	.001	.921	45	.005
	Tim	.250	35	.000	.881	35	.001
NASA_Score	Abby	.157	45	.007	.913	45	.003
	Tim	.204	35	.001	.915	35	.010

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag risk facet, understanding task

	Risk	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.227	33	.000	.850	33	.000
	Tim	.203	47	.000	.858	47	.000
Recall	Abby	.125	33	.200 <sup>*</sup>	.930	33	.036
	Tim	.218	47	.000	.780	47	.000
FMeasure	Abby	.108	33	.200 <sup>*</sup>	.955	33	.180
	Tim	.232	47	.000	.754	47	.000
Duration	Abby	.186	33	.005	.866	33	.001
	Tim	.104	47	.200 <sup>*</sup>	.948	47	.036
FirstActDet	Abby	.184	33	.006	.921	33	.020
	Tim	.256	47	.000	.847	47	.000
LastActDet	Abby	.182	33	.007	.873	33	.001
	Tim	.104	47	.200 <sup>*</sup>	.947	47	.032
ProcDur	Abby	.129	33	.174	.931	33	.038
	Tim	.095	47	.200 <sup>*</sup>	.959	47	.094
FixRel	Abby	.201	33	.002	.906	33	.008
	Tim	.150	47	.010	.896	47	.001
FixIrrel	Abby	.246	33	.000	.746	33	.000
	Tim	.196	47	.000	.802	47	.000
AvDurRelFix	Abby	.204	33	.001	.857	33	.000
	Tim	.105	47	.200 <sup>*</sup>	.949	47	.038
AvDurIrrelFix	Abby	.178	33	.009	.864	33	.001
	Tim	.144	47	.016	.947	47	.034
TotSac	Abby	.206	33	.001	.910	33	.010
	Tim	.099	47	.200 <sup>*</sup>	.952	47	.052
Sac2Key	Abby	.193	33	.003	.944	33	.091
	Tim	.105	47	.200 <sup>*</sup>	.963	47	.138
AvAttention	Abby	.192	33	.003	.897	33	.004
	Tim	.114	47	.158	.968	47	.228
AvMentWL	Abby	.167	33	.021	.892	33	.003
	Tim	.156	47	.006	.947	47	.034
AvFam	Abby	.229	33	.000	.875	33	.001
	Tim	.181	47	.001	.941	47	.019
AvSCL	Abby	.221	33	.000	.870	33	.001
	Tim	.142	47	.019	.907	47	.001
HRVar_RMSSD	Abby	.189	33	.004	.891	33	.003
	Tim	.141	47	.020	.938	47	.015
HRVar_NN50	Abby	.256	33	.000	.761	33	.000
	Tim	.150	47	.010	.919	47	.003
NASA_MD	Abby	.203	33	.001	.939	33	.064
	Tim	.185	47	.000	.914	47	.002
NASA_PD	Abby	.334	33	.000	.714	33	.000
	Tim	.319	47	.000	.611	47	.000
NASA_TD	Abby	.180	33	.008	.901	33	.006
	Tim	.185	47	.000	.882	47	.000
NASA_Performance	Abby	.256	33	.000	.858	33	.001
	Tim	.143	47	.017	.930	47	.008

NASA_Effort	Abby	.199	33	.002	.926	33	.027
	Tim	.128	47	.050	.936	47	.012
NASA_Frustration	Abby	.272	33	.000	.840	33	.000
	Tim	.174	47	.001	.929	47	.007
NASA_Score	Abby	.220	33	.000	.922	33	.020
	Tim	.129	47	.047	.940	47	.018

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag learning style facet, understanding task

	LearningStyle	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.120	38	.179	.924	38	.013
	Tim	.140	42	.038	.883	42	.000
Recall	Abby	.227	38	.000	.827	38	.000
	Tim	.163	42	.007	.863	42	.000
FMeasure	Abby	.230	38	.000	.850	38	.000
	Tim	.171	42	.003	.840	42	.000
Duration	Abby	.197	38	.001	.871	38	.000
	Tim	.142	42	.032	.943	42	.036
FirstActDet	Abby	.211	38	.000	.922	38	.011
	Tim	.214	42	.000	.917	42	.005
LastActDet	Abby	.189	38	.001	.884	38	.001
	Tim	.140	42	.038	.950	42	.067
ProcDur	Abby	.152	38	.027	.926	38	.015
	Tim	.256	42	.000	.821	42	.000
FixRel	Abby	.190	38	.001	.887	38	.001
	Tim	.201	42	.000	.868	42	.000
FixIrrel	Abby	.225	38	.000	.735	38	.000
	Tim	.247	42	.000	.766	42	.000
AvDurRelFix	Abby	.196	38	.001	.870	38	.000
	Tim	.162	42	.008	.940	42	.028
AvDurIrrelFix	Abby	.192	38	.001	.873	38	.000
	Tim	.183	42	.001	.940	42	.028
TotSac	Abby	.116	38	.200 <sup>*</sup>	.941	38	.044
	Tim	.069	42	.200 <sup>*</sup>	.976	42	.525
Sac2Key	Abby	.178	38	.004	.937	38	.034
	Tim	.152	42	.016	.938	42	.025
AvAttention	Abby	.140	38	.059	.942	38	.049
	Tim	.128	42	.081	.967	42	.261
AvMentWL	Abby	.176	38	.004	.936	38	.031
	Tim	.155	42	.013	.942	42	.033
AvFam	Abby	.232	38	.000	.879	38	.001
	Tim	.217	42	.000	.922	42	.007
AvSCL	Abby	.144	38	.045	.919	38	.009
	Tim	.178	42	.002	.924	42	.008
HRVar_RMSSD	Abby	.241	38	.000	.838	38	.000
	Tim	.135	42	.053	.941	42	.031
HRVar_NN50	Abby	.191	38	.001	.862	38	.000
	Tim	.165	42	.006	.903	42	.002
NASA_MD	Abby	.160	38	.015	.939	38	.038
	Tim	.156	42	.012	.937	42	.023
NASA_PD	Abby	.290	38	.000	.751	38	.000
	Tim	.363	42	.000	.597	42	.000
NASA_TD	Abby	.176	38	.005	.883	38	.001
	Tim	.186	42	.001	.890	42	.001
NASA_Performance	Abby	.241	38	.000	.883	38	.001
	Tim	.137	42	.046	.939	42	.027
NASA_Effort	Abby	.147	38	.038	.943	38	.054

	Tim	.131	42	.069	.948	42	.055
NASA_Frustration	Abby	.227	38	.000	.909	38	.005
	Tim	.170	42	.004	.944	42	.040
NASA_Score	Abby	.171	38	.007	.926	38	.015
	Tim	.184	42	.001	.921	42	.007

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag motivation facet, reviewing task

	Motivation	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.207	30	.002	.905	30	.011
	Tim	.214	50	.000	.877	50	.000
Recall	Abby	.203	30	.003	.890	30	.005
	Tim	.159	50	.003	.947	50	.027
FMeasure	Abby	.127	30	.200 <sup>*</sup>	.944	30	.120
	Tim	.131	50	.033	.979	50	.499
Duration	Abby	.256	30	.000	.785	30	.000
	Tim	.245	50	.000	.842	50	.000
FirstActDet	Abby	.201	30	.003	.896	30	.007
	Tim	.263	50	.000	.871	50	.000
LastActDet	Abby	.213	30	.001	.891	30	.005
	Tim	.206	50	.000	.912	50	.001
ProcDur	Abby	.285	30	.000	.734	30	.000
	Tim	.362	50	.000	.584	50	.000
FixRel	Abby	.199	30	.004	.906	30	.012
	Tim	.128	50	.041	.939	50	.012
FixIrrel	Abby	.245	30	.000	.745	30	.000
	Tim	.263	50	.000	.681	50	.000
AvDurRelFix	Abby	.161	30	.046	.889	30	.005
	Tim	.298	50	.000	.709	50	.000
AvDurIrrelFix	Abby	.154	30	.069	.899	30	.008
	Tim	.207	50	.000	.864	50	.000
TotSac	Abby	.146	30	.104	.931	30	.052
	Tim	.119	50	.075	.941	50	.015
Sac2Key	Abby	.224	30	.001	.840	30	.000
	Tim	.219	50	.000	.871	50	.000
AvAttention	Abby	.314	30	.000	.856	30	.001
	Tim	.159	50	.003	.904	50	.001
AvMentWL	Abby	.217	30	.001	.854	30	.001
	Tim	.174	50	.001	.906	50	.001
AvFam	Abby	.185	30	.010	.908	30	.013
	Tim	.288	50	.000	.857	50	.000
AvSCL	Abby	.129	30	.200 <sup>*</sup>	.970	30	.550
	Tim	.161	50	.002	.942	50	.016
HRVar_RMSSD	Abby	.264	30	.000	.901	30	.009
	Tim	.132	50	.029	.934	50	.008
HRVar_NN50	Abby	.145	30	.110	.872	30	.002
	Tim	.182	50	.000	.887	50	.000
NASA_MD	Abby	.206	30	.002	.835	30	.000
	Tim	.229	50	.000	.868	50	.000
NASA_PD	Abby	.341	30	.000	.677	30	.000
	Tim	.286	50	.000	.686	50	.000
NASA_TD	Abby	.245	30	.000	.860	30	.001
	Tim	.199	50	.000	.870	50	.000
NASA_Performance	Abby	.177	30	.017	.928	30	.043
	Tim	.185	50	.000	.872	50	.000
NASA_Effort	Abby	.168	30	.030	.882	30	.003

	Tim	.192	50	.000	.885	50	.000
NASA_Frustration	Abby	.167	30	.032	.895	30	.007
	Tim	.178	50	.000	.919	50	.002
NASA_Score	Abby	.162	30	.044	.911	30	.016
	Tim	.181	50	.000	.897	50	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



Tests of Normality - i\* concrete syntaxes, GenderMag information processing facet, reviewing task

	InformationProcessing	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.234	56	.000	.872	56	.000
	Tim	.192	24	.023	.851	24	.002
Recall	Abby	.184	56	.000	.911	56	.001
	Tim	.262	24	.000	.892	24	.015
FMeasure	Abby	.145	56	.005	.952	56	.027
	Tim	.164	24	.096	.908	24	.033
Duration	Abby	.200	56	.000	.856	56	.000
	Tim	.335	24	.000	.721	24	.000
FirstActDet	Abby	.261	56	.000	.885	56	.000
	Tim	.187	24	.030	.884	24	.010
LastActDet	Abby	.118	56	.051	.962	56	.077
	Tim	.330	24	.000	.792	24	.000
ProcDur	Abby	.362	56	.000	.668	56	.000
	Tim	.309	24	.000	.672	24	.000
FixRel	Abby	.124	56	.032	.929	56	.003
	Tim	.218	24	.005	.918	24	.054
FixIrrel	Abby	.258	56	.000	.739	56	.000
	Tim	.418	24	.000	.414	24	.000
AvDurRelFix	Abby	.258	56	.000	.830	56	.000
	Tim	.128	24	.200 <sup>*</sup>	.910	24	.036
AvDurIrrelFix	Abby	.197	56	.000	.844	56	.000
	Tim	.247	24	.001	.842	24	.002
TotSac	Abby	.147	56	.004	.924	56	.002
	Tim	.264	24	.000	.808	24	.000
Sac2Key	Abby	.237	56	.000	.849	56	.000
	Tim	.288	24	.000	.787	24	.000
AvAttention	Abby	.167	56	.000	.872	56	.000
	Tim	.264	24	.000	.882	24	.009
AvMentWL	Abby	.175	56	.000	.882	56	.000
	Tim	.328	24	.000	.815	24	.001
AvFam	Abby	.257	56	.000	.885	56	.000
	Tim	.180	24	.042	.887	24	.011
AvSCL	Abby	.126	56	.027	.970	56	.170
	Tim	.186	24	.032	.918	24	.051
HRVar_RMSSD	Abby	.131	56	.018	.943	56	.010
	Tim	.318	24	.000	.787	24	.000
HRVar_NN50	Abby	.172	56	.000	.904	56	.000
	Tim	.226	24	.003	.787	24	.000
NASA_MD	Abby	.235	56	.000	.832	56	.000
	Tim	.180	24	.043	.854	24	.003
NASA_PD	Abby	.312	56	.000	.648	56	.000
	Tim	.330	24	.000	.756	24	.000
NASA_TD	Abby	.209	56	.000	.874	56	.000
	Tim	.232	24	.002	.814	24	.001
NASA_Performance	Abby	.184	56	.000	.862	56	.000
	Tim	.160	24	.116	.924	24	.073
NASA_Effort	Abby	.157	56	.001	.914	56	.001

	Tim	.193	24	.021	.837	24	.001
NASA_Frustration	Abby	.182	56	.000	.907	56	.000
	Tim	.199	24	.015	.858	24	.003
NASA_Score	Abby	.175	56	.000	.899	56	.000
	Tim	.156	24	.137	.894	24	.016

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag self-efficacy facet, reviewing task

	SelfEfficacy	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.197	38	.001	.899	38	.002
	Tim	.217	42	.000	.898	42	.001
Recall	Abby	.161	38	.014	.913	38	.006
	Tim	.169	42	.004	.926	42	.010
FMeasure	Abby	.124	38	.145	.975	38	.536
	Tim	.136	42	.049	.951	42	.069
Duration	Abby	.248	38	.000	.845	38	.000
	Tim	.240	42	.000	.808	42	.000
FirstActDet	Abby	.291	38	.000	.861	38	.000
	Tim	.188	42	.001	.899	42	.001
LastActDet	Abby	.162	38	.014	.935	38	.029
	Tim	.177	42	.002	.907	42	.002
ProcDur	Abby	.365	38	.000	.661	38	.000
	Tim	.312	42	.000	.667	42	.000
FixRel	Abby	.120	38	.182	.935	38	.028
	Tim	.155	42	.012	.939	42	.026
FixIrrel	Abby	.259	38	.000	.765	38	.000
	Tim	.256	42	.000	.666	42	.000
AvDurRelFix	Abby	.313	38	.000	.716	38	.000
	Tim	.210	42	.000	.852	42	.000
AvDurIrrelFix	Abby	.205	38	.000	.871	38	.000
	Tim	.139	42	.041	.914	42	.004
TotSac	Abby	.159	38	.016	.927	38	.016
	Tim	.136	42	.048	.949	42	.059
Sac2Key	Abby	.230	38	.000	.849	38	.000
	Tim	.200	42	.000	.886	42	.001
AvAttention	Abby	.154	38	.024	.892	38	.002
	Tim	.210	42	.000	.925	42	.009
AvMentWL	Abby	.142	38	.050	.904	38	.003
	Tim	.203	42	.000	.870	42	.000
AvFam	Abby	.239	38	.000	.895	38	.002
	Tim	.236	42	.000	.885	42	.001
AvSCL	Abby	.089	38	.200 <sup>*</sup>	.974	38	.517
	Tim	.113	42	.200 <sup>*</sup>	.950	42	.065
HRVar_RMSSD	Abby	.189	38	.002	.899	38	.002
	Tim	.195	42	.000	.926	42	.009
HRVar_NN50	Abby	.230	38	.000	.854	38	.000
	Tim	.169	42	.004	.898	42	.001
NASA_MD	Abby	.276	38	.000	.802	38	.000
	Tim	.188	42	.001	.888	42	.001
NASA_PD	Abby	.335	38	.000	.696	38	.000
	Tim	.257	42	.000	.796	42	.000
NASA_TD	Abby	.200	38	.001	.886	38	.001
	Tim	.228	42	.000	.833	42	.000
NASA_Performance	Abby	.210	38	.000	.877	38	.001
	Tim	.139	42	.040	.884	42	.000
NASA_Effort	Abby	.208	38	.000	.916	38	.007

	Tim	.204	42	.000	.842	42	.000
NASA_Frustration	Abby	.259	38	.000	.858	38	.000
	Tim	.125	42	.098	.930	42	.013
NASA_Score	Abby	.154	38	.024	.917	38	.008
	Tim	.157	42	.011	.869	42	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag risk facet, reviewing task

	Risk	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.278	35	.000	.832	35	.000
	Tim	.257	45	.000	.879	45	.000
Recall	Abby	.206	35	.001	.918	35	.012
	Tim	.207	45	.000	.923	45	.006
FMeasure	Abby	.104	35	.200*	.947	35	.090
	Tim	.115	45	.168	.953	45	.067
Duration	Abby	.271	35	.000	.794	35	.000
	Tim	.175	45	.001	.896	45	.001
FirstActDet	Abby	.162	35	.020	.903	35	.005
	Tim	.235	45	.000	.870	45	.000
LastActDet	Abby	.236	35	.000	.890	35	.002
	Tim	.160	45	.006	.949	45	.047
ProcDur	Abby	.357	35	.000	.675	35	.000
	Tim	.351	45	.000	.602	45	.000
FixRel	Abby	.164	35	.018	.938	35	.050
	Tim	.137	45	.035	.924	45	.006
FixIrrel	Abby	.277	35	.000	.702	35	.000
	Tim	.278	45	.000	.805	45	.000
AvDurRelFix	Abby	.203	35	.001	.862	35	.000
	Tim	.280	45	.000	.762	45	.000
AvDurIrrelFix	Abby	.151	35	.042	.884	35	.001
	Tim	.193	45	.000	.849	45	.000
TotSac	Abby	.161	35	.022	.915	35	.010
	Tim	.149	45	.014	.937	45	.016
Sac2Key	Abby	.223	35	.000	.876	35	.001
	Tim	.245	45	.000	.847	45	.000
AvAttention	Abby	.293	35	.000	.876	35	.001
	Tim	.180	45	.001	.881	45	.000
AvMentWL	Abby	.225	35	.000	.855	35	.000
	Tim	.186	45	.000	.894	45	.001
AvFam	Abby	.193	35	.002	.916	35	.011
	Tim	.277	45	.000	.856	45	.000
AvSCL	Abby	.147	35	.054	.944	35	.075
	Tim	.122	45	.090	.942	45	.026
HRVar_RMSSD	Abby	.314	35	.000	.786	35	.000
	Tim	.176	45	.001	.939	45	.019
HRVar_NN50	Abby	.195	35	.002	.845	35	.000
	Tim	.178	45	.001	.908	45	.002
NASA_MD	Abby	.311	35	.000	.732	35	.000
	Tim	.171	45	.002	.896	45	.001
NASA_PD	Abby	.403	35	.000	.631	35	.000
	Tim	.291	45	.000	.748	45	.000
NASA_TD	Abby	.213	35	.000	.880	35	.001
	Tim	.244	45	.000	.835	45	.000
NASA_Performance	Abby	.169	35	.013	.931	35	.030
	Tim	.252	45	.000	.799	45	.000
NASA_Effort	Abby	.277	35	.000	.817	35	.000

	Tim	.138	45	.031	.904	45	.001
NASA_Frustration	Abby	.257	35	.000	.875	35	.001
	Tim	.162	45	.005	.924	45	.006
NASA_Score	Abby	.152	35	.040	.946	35	.084
	Tim	.254	45	.000	.780	45	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality - i\* concrete syntaxes, GenderMag learning style facet, reviewing task

	LearningStyle	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.247	38	.000	.880	38	.001
	Tim	.189	42	.001	.930	42	.013
Recall	Abby	.146	38	.040	.926	38	.015
	Tim	.196	42	.000	.922	42	.007
FMeasure	Abby	.136	38	.074	.966	38	.288
	Tim	.112	42	.200 <sup>*</sup>	.965	42	.218
Duration	Abby	.238	38	.000	.829	38	.000
	Tim	.267	42	.000	.813	42	.000
FirstActDet	Abby	.196	38	.001	.924	38	.013
	Tim	.272	42	.000	.827	42	.000
LastActDet	Abby	.179	38	.003	.905	38	.004
	Tim	.183	42	.001	.920	42	.006
ProcDur	Abby	.366	38	.000	.686	38	.000
	Tim	.315	42	.000	.631	42	.000
FixRel	Abby	.119	38	.194	.929	38	.018
	Tim	.164	42	.006	.926	42	.009
FixIrrel	Abby	.263	38	.000	.707	38	.000
	Tim	.251	42	.000	.731	42	.000
AvDurRelFix	Abby	.256	38	.000	.778	38	.000
	Tim	.291	42	.000	.816	42	.000
AvDurIrrelFix	Abby	.189	38	.001	.872	38	.000
	Tim	.164	42	.006	.925	42	.009
TotSac	Abby	.098	38	.200 <sup>*</sup>	.955	38	.129
	Tim	.129	42	.076	.931	42	.014
Sac2Key	Abby	.178	38	.004	.890	38	.001
	Tim	.209	42	.000	.871	42	.000
AvAttention	Abby	.246	38	.000	.902	38	.003
	Tim	.147	42	.023	.919	42	.005
AvMentWL	Abby	.186	38	.002	.865	38	.000
	Tim	.201	42	.000	.901	42	.002
AvFam	Abby	.224	38	.000	.902	38	.003
	Tim	.241	42	.000	.871	42	.000
AvSCL	Abby	.162	38	.013	.919	38	.009
	Tim	.080	42	.200 <sup>*</sup>	.978	42	.576
HRVar_RMSSD	Abby	.238	38	.000	.911	38	.005
	Tim	.159	42	.009	.934	42	.017
HRVar_NN50	Abby	.196	38	.001	.839	38	.000
	Tim	.128	42	.082	.928	42	.011
NASA_MD	Abby	.214	38	.000	.828	38	.000
	Tim	.191	42	.001	.896	42	.001
NASA_PD	Abby	.387	38	.000	.629	38	.000
	Tim	.232	42	.000	.728	42	.000
NASA_TD	Abby	.190	38	.001	.863	38	.000
	Tim	.251	42	.000	.858	42	.000
NASA_Performance	Abby	.162	38	.013	.920	38	.010
	Tim	.187	42	.001	.864	42	.000
NASA_Effort	Abby	.194	38	.001	.845	38	.000

	Tim	.137	42	.048	.936	42	.021
NASA_Frustration	Abby	.184	38	.002	.925	38	.014
	Tim	.170	42	.004	.907	42	.002
NASA_Score	Abby	.131	38	.100	.927	38	.017
	Tim	.218	42	.000	.865	42	.000

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction