

Tests of Normality - use case templates, GenderMag motivation facet, modification task

	Motivation	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.197	43	.000	.852	43	.000
	Tim	.139	36	.074	.916	36	.010
Recall	Abby	.133	43	.053	.886	43	.000
	Tim	.149	36	.041	.907	36	.005
FMeasure	Abby	.191	43	.000	.874	43	.000
	Tim	.175	36	.007	.910	36	.006
Duration	Abby	.281	43	.000	.858	43	.000
	Tim	.155	36	.029	.946	36	.078
FirstActDet	Abby	.138	43	.039	.925	43	.008
	Tim	.163	36	.016	.946	36	.076
LastActDet	Abby	.252	43	.000	.876	43	.000
	Tim	.136	36	.089	.937	36	.042
ProcDur	Abby	.219	43	.000	.876	43	.000
	Tim	.292	36	.000	.746	36	.000
FixRel	Abby	.281	43	.000	.777	43	.000
	Tim	.292	36	.000	.784	36	.000
FixIrrel	Abby	.354	43	.000	.666	43	.000
	Tim	.203	36	.001	.798	36	.000
AvDurRelFix	Abby	.188	43	.001	.888	43	.001
	Tim	.194	36	.002	.915	36	.009
AvDurIrrelFix	Abby	.199	43	.000	.875	43	.000
	Tim	.152	36	.036	.924	36	.017
TotSac	Abby	.142	43	.029	.942	43	.030
	Tim	.099	36	.200 [*]	.956	36	.162
Sac2Key	Abby	.184	43	.001	.902	43	.001
	Tim	.220	36	.000	.897	36	.003
AvAttention	Abby	.186	43	.001	.899	43	.001
	Tim	.183	36	.004	.914	36	.009
AvMentWL	Abby	.141	43	.033	.927	43	.009
	Tim	.222	36	.000	.865	36	.000
AvFam	Abby	.159	43	.008	.915	43	.004
	Tim	.234	36	.000	.879	36	.001
AvSCL	Abby	.134	43	.051	.918	43	.005
	Tim	.192	36	.002	.885	36	.001
HRVar_RMSSD	Abby	.213	43	.000	.830	43	.000
	Tim	.240	36	.000	.835	36	.000
HRVar_NN50	Abby	.219	43	.000	.835	43	.000
	Tim	.223	36	.000	.875	36	.001
NASA_MD	Abby	.222	43	.000	.870	43	.000
	Tim	.286	36	.000	.826	36	.000
NASA_PD	Abby	.273	43	.000	.812	43	.000
	Tim	.324	36	.000	.715	36	.000
NASA_TD	Abby	.148	43	.019	.859	43	.000
	Tim	.313	36	.000	.768	36	.000
NASA_Performance	Abby	.185	43	.001	.926	43	.008
	Tim	.228	36	.000	.925	36	.018
NASA_Effort	Abby	.194	43	.000	.897	43	.001

	Tim	.248	36	.000	.880	36	.001
NASA_Frustration	Abby	.215	43	.000	.843	43	.000
	Tim	.271	36	.000	.796	36	.000
NASA_Score	Abby	.213	43	.000	.909	43	.002
	Tim	.232	36	.000	.875	36	.001

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

a. Lilliefors Significance Correction

Tests of Normality - use case templates, GenderMag information processing facet, modification task

	InformationProcessing	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.192	30	.006	.894	30	.006
	Tim	.190	49	.000	.837	49	.000
Recall	Abby	.182	30	.013	.894	30	.006
	Tim	.161	49	.003	.882	49	.000
FMeasure	Abby	.150	30	.084	.905	30	.011
	Tim	.218	49	.000	.849	49	.000
Duration	Abby	.159	30	.050	.958	30	.276
	Tim	.247	49	.000	.877	49	.000
FirstActDet	Abby	.205	30	.002	.920	30	.027
	Tim	.118	49	.088	.949	49	.034
LastActDet	Abby	.155	30	.065	.968	30	.498
	Tim	.216	49	.000	.872	49	.000
ProcDur	Abby	.340	30	.000	.632	30	.000
	Tim	.204	49	.000	.888	49	.000
FixRel	Abby	.326	30	.000	.755	30	.000
	Tim	.243	49	.000	.811	49	.000
FixIrrel	Abby	.192	30	.006	.811	30	.000
	Tim	.359	49	.000	.691	49	.000
AvDurRelFix	Abby	.146	30	.105	.944	30	.120
	Tim	.195	49	.000	.865	49	.000
AvDurIrrelFix	Abby	.164	30	.039	.926	30	.038
	Tim	.197	49	.000	.872	49	.000
TotSac	Abby	.113	30	.200 [*]	.944	30	.120
	Tim	.136	49	.025	.938	49	.013
Sac2Key	Abby	.170	30	.028	.918	30	.024
	Tim	.185	49	.000	.878	49	.000
AvAttention	Abby	.251	30	.000	.836	30	.000
	Tim	.212	49	.000	.856	49	.000
AvMentWL	Abby	.249	30	.000	.857	30	.001
	Tim	.177	49	.001	.880	49	.000
AvFam	Abby	.208	30	.002	.902	30	.010
	Tim	.213	49	.000	.902	49	.001
AvSCL	Abby	.212	30	.001	.907	30	.013
	Tim	.216	49	.000	.884	49	.000
HRVar_RMSSD	Abby	.271	30	.000	.857	30	.001
	Tim	.270	49	.000	.741	49	.000
HRVar_NN50	Abby	.185	30	.010	.872	30	.002
	Tim	.218	49	.000	.852	49	.000
NASA_MD	Abby	.210	30	.002	.853	30	.001
	Tim	.299	49	.000	.769	49	.000
NASA_PD	Abby	.304	30	.000	.724	30	.000
	Tim	.290	49	.000	.808	49	.000
NASA_TD	Abby	.218	30	.001	.832	30	.000
	Tim	.236	49	.000	.851	49	.000
NASA_Performance	Abby	.248	30	.000	.892	30	.006
	Tim	.212	49	.000	.898	49	.000
NASA_Effort	Abby	.124	30	.200 [*]	.924	30	.034

	Tim	.219	49	.000	.807	49	.000
NASA_Frustration	Abby	.177	30	.018	.902	30	.010
	Tim	.287	49	.000	.750	49	.000
NASA_Score	Abby	.221	30	.001	.874	30	.002
	Tim	.238	49	.000	.847	49	.000

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

a. Lilliefors Significance Correction

Tests of Normality - use case templates, GenderMag self-efficacy facet, modification task							
	SelfEfficacy	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.192	36	.002	.845	36	.000
	Tim	.151	43	.015	.907	43	.002
Recall	Abby	.198	36	.001	.873	36	.001
	Tim	.115	43	.177	.914	43	.003
FMeasure	Abby	.240	36	.000	.847	36	.000
	Tim	.146	43	.022	.922	43	.006
Duration	Abby	.149	36	.041	.943	36	.062
	Tim	.256	43	.000	.863	43	.000
FirstActDet	Abby	.138	36	.081	.929	36	.023
	Tim	.130	43	.064	.929	43	.011
LastActDet	Abby	.140	36	.073	.940	36	.052
	Tim	.231	43	.000	.883	43	.000
ProcDur	Abby	.262	36	.000	.796	36	.000
	Tim	.240	43	.000	.843	43	.000
FixRel	Abby	.281	36	.000	.809	36	.000
	Tim	.246	43	.000	.800	43	.000
FixIrrel	Abby	.214	36	.000	.787	36	.000
	Tim	.338	43	.000	.703	43	.000
AvDurRelFix	Abby	.176	36	.006	.941	36	.056
	Tim	.193	43	.000	.883	43	.000
AvDurIrrelFix	Abby	.151	36	.036	.933	36	.031
	Tim	.207	43	.000	.878	43	.000
TotSac	Abby	.110	36	.200 [*]	.955	36	.150
	Tim	.110	43	.200 [*]	.951	43	.065
Sac2Key	Abby	.218	36	.000	.882	36	.001
	Tim	.194	43	.000	.902	43	.001
AvAttention	Abby	.222	36	.000	.906	36	.005
	Tim	.192	43	.000	.894	43	.001
AvMentWL	Abby	.175	36	.007	.914	36	.008
	Tim	.156	43	.010	.908	43	.002
AvFam	Abby	.212	36	.000	.916	36	.010
	Tim	.209	43	.000	.890	43	.001
AvSCL	Abby	.135	36	.097	.949	36	.100
	Tim	.156	43	.010	.887	43	.001
HRVar_RMSSD	Abby	.237	36	.000	.839	36	.000
	Tim	.219	43	.000	.834	43	.000
HRVar_NN50	Abby	.209	36	.000	.850	36	.000
	Tim	.186	43	.001	.885	43	.000
NASA_MD	Abby	.197	36	.001	.884	36	.001
	Tim	.279	43	.000	.840	43	.000
NASA_PD	Abby	.373	36	.000	.682	36	.000
	Tim	.234	43	.000	.840	43	.000
NASA_TD	Abby	.252	36	.000	.793	36	.000
	Tim	.215	43	.000	.888	43	.001
NASA_Performance	Abby	.164	36	.015	.952	36	.125
	Tim	.204	43	.000	.916	43	.004
NASA_Effort	Abby	.141	36	.069	.940	36	.050

	Tim	.212	43	.000	.868	43	.000
NASA_Frustration	Abby	.198	36	.001	.888	36	.002
	Tim	.295	43	.000	.761	43	.000
NASA_Score	Abby	.210	36	.000	.907	36	.005
	Tim	.202	43	.000	.898	43	.001

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

a. Lilliefors Significance Correction

Tests of Normality - use case templates, GenderMag risk facet, modification task

	Risk	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.179	29	.018	.912	29	.020
	Tim	.142	50	.013	.901	50	.001
Recall	Abby	.158	29	.061	.926	29	.044
	Tim	.175	50	.001	.865	50	.000
FMeasure	Abby	.166	29	.039	.923	29	.036
	Tim	.183	50	.000	.887	50	.000
Duration	Abby	.267	29	.000	.818	29	.000
	Tim	.187	50	.000	.926	50	.004
FirstActDet	Abby	.126	29	.200*	.955	29	.246
	Tim	.194	50	.000	.911	50	.001
LastActDet	Abby	.188	29	.010	.897	29	.008
	Tim	.192	50	.000	.929	50	.005
ProcDur	Abby	.165	29	.042	.914	29	.022
	Tim	.167	50	.001	.946	50	.024
FixRel	Abby	.236	29	.000	.815	29	.000
	Tim	.278	50	.000	.789	50	.000
FixIrrel	Abby	.330	29	.000	.672	29	.000
	Tim	.259	50	.000	.777	50	.000
AvDurRelFix	Abby	.299	29	.000	.671	29	.000
	Tim	.126	50	.046	.961	50	.102
AvDurIrrelFix	Abby	.273	29	.000	.771	29	.000
	Tim	.166	50	.001	.927	50	.004
TotSac	Abby	.227	29	.001	.890	29	.006
	Tim	.139	50	.017	.904	50	.001
Sac2Key	Abby	.156	29	.070	.891	29	.006
	Tim	.183	50	.000	.915	50	.002
AvAttention	Abby	.188	29	.010	.880	29	.003
	Tim	.133	50	.027	.932	50	.007
AvMentWL	Abby	.164	29	.044	.904	29	.012
	Tim	.222	50	.000	.884	50	.000
AvFam	Abby	.243	29	.000	.876	29	.003
	Tim	.227	50	.000	.872	50	.000
AvSCL	Abby	.230	29	.000	.814	29	.000
	Tim	.135	50	.022	.898	50	.000
HRVar_RMSSD	Abby	.330	29	.000	.613	29	.000
	Tim	.176	50	.000	.899	50	.000
HRVar_NN50	Abby	.281	29	.000	.712	29	.000
	Tim	.169	50	.001	.885	50	.000
NASA_MD	Abby	.294	29	.000	.818	29	.000
	Tim	.317	50	.000	.800	50	.000
NASA_PD	Abby	.281	29	.000	.756	29	.000
	Tim	.310	50	.000	.757	50	.000
NASA_TD	Abby	.180	29	.017	.873	29	.002
	Tim	.247	50	.000	.826	50	.000
NASA_Performance	Abby	.219	29	.001	.870	29	.002
	Tim	.245	50	.000	.917	50	.002
NASA_Effort	Abby	.301	29	.000	.830	29	.000

	Tim	.285	50	.000	.818	50	.000
NASA_Frustration	Abby	.287	29	.000	.817	29	.000
	Tim	.277	50	.000	.772	50	.000
NASA_Score	Abby	.280	29	.000	.852	29	.001
	Tim	.198	50	.000	.904	50	.001

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

a. Lilliefors Significance Correction

Tests of Normality - use case templates, GenderMag learning style facet, modification task							
	LearningStyle	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Precision	Abby	.219	26	.002	.836	26	.001
	Tim	.137	53	.014	.907	53	.001
Recall	Abby	.177	26	.034	.895	26	.012
	Tim	.146	53	.006	.902	53	.000
FMeasure	Abby	.207	26	.006	.870	26	.004
	Tim	.161	53	.001	.903	53	.000
Duration	Abby	.350	26	.000	.797	26	.000
	Tim	.141	53	.010	.944	53	.016
FirstActDet	Abby	.128	26	.200*	.955	26	.297
	Tim	.170	53	.001	.934	53	.006
LastActDet	Abby	.316	26	.000	.789	26	.000
	Tim	.129	53	.027	.944	53	.014
ProcDur	Abby	.200	26	.009	.895	26	.012
	Tim	.265	53	.000	.774	53	.000
FixRel	Abby	.290	26	.000	.801	26	.000
	Tim	.282	53	.000	.788	53	.000
FixIrrel	Abby	.403	26	.000	.638	26	.000
	Tim	.217	53	.000	.781	53	.000
AvDurRelFix	Abby	.256	26	.000	.830	26	.001
	Tim	.158	53	.002	.942	53	.012
AvDurIrrelFix	Abby	.266	26	.000	.819	26	.000
	Tim	.141	53	.010	.934	53	.006
TotSac	Abby	.127	26	.200*	.962	26	.423
	Tim	.096	53	.200*	.943	53	.014
Sac2Key	Abby	.198	26	.010	.864	26	.003
	Tim	.186	53	.000	.901	53	.000
AvAttention	Abby	.268	26	.000	.840	26	.001
	Tim	.160	53	.002	.934	53	.006
AvMentWL	Abby	.136	26	.200*	.947	26	.194
	Tim	.157	53	.002	.889	53	.000
AvFam	Abby	.242	26	.000	.847	26	.001
	Tim	.222	53	.000	.899	53	.000
AvSCL	Abby	.232	26	.001	.835	26	.001
	Tim	.128	53	.031	.939	53	.009
HRVar_RMSSD	Abby	.226	26	.001	.808	26	.000
	Tim	.226	53	.000	.855	53	.000
HRVar_NN50	Abby	.219	26	.002	.863	26	.003
	Tim	.186	53	.000	.872	53	.000
NASA_MD	Abby	.222	26	.002	.799	26	.000
	Tim	.249	53	.000	.865	53	.000
NASA_PD	Abby	.253	26	.000	.775	26	.000
	Tim	.330	53	.000	.773	53	.000
NASA_TD	Abby	.181	26	.028	.869	26	.003
	Tim	.238	53	.000	.823	53	.000
NASA_Performance	Abby	.287	26	.000	.868	26	.003
	Tim	.171	53	.001	.952	53	.033

NASA_Effort	Abby	.214	26	.004	.842	26	.001
	Tim	.193	53	.000	.907	53	.001
NASA_Frustration	Abby	.310	26	.000	.829	26	.001
	Tim	.261	53	.000	.803	53	.000
NASA_Score	Abby	.217	26	.003	.914	26	.033
	Tim	.183	53	.000	.914	53	.001

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

a. Lilliefors Significance Correction