



The Reliability of Survey Measures

RESULTS Series

*RELIABILITY ESTIMATES FOR
GSS VARIABLES BY YEAR AND
CONTENT TYPE*

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JUNE 2023

Suggested citation: Tufiş, P.A. & Alwin, D.F. (2023). Reliability Estimates for GSS Variables by Year and Content Type. *The Reliability of Survey Measures Results Series*.

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The table below presents reliability estimates computed for variables from three General Social Survey (GSS) panel studies conducted in 2006-08-10 (n=249 variables), 2008-10-12 (n=239 variables), and 2010-12-14 (n=236 variables). The variables are categorized according to content into: facts (objective information), non-facts (largely subjective assessments), and performance variables. Non-facts are further categorized into: beliefs, values, attitudes, self-assessments, self-perceptions, and expectations.

For each variable we present: (1) the Heise reliability estimate, obtained from a 3-wave simplex model, and (2) the $\hat{\rho}$ reliability estimate, obtained from a multilevel model. Estimates of reliability were obtained from analyses of cases (people) in each GSS panel, with model sample sizes recorded by (3) N, the number of respondents. We present estimates by panel and averaged over panels.

Appropriate statistical models for estimating reliability were employed, considering the measurement level of the variables. Variables were treated as dichotomous (2 categories), ordinal (ordered variables with more than 2 categories and less than 10 categories), and interval or continuous (ordered variables with 11 or more categories). The simplex models used polychoric correlations for dichotomous and ordinal variables and Pearson correlations for interval variables. For the multilevel estimates, we used logit multilevel models for dichotomous variables, ordered logit multilevel models for ordinal variables, and multilevel regression models for interval variables.

Incomplete data was handled using two alternative methods: listwise deletion or a total sample approach. For the simplex models, the total sample approach employed Full Information Maximum Likelihood estimation (FIML) or Weighted Least Squares with Means and Variance Adjustment (WLSMV), according to the measurement level for each variable. For the multi-level models, the total sample approach included all respondents who had at least one valid observation in one of the three waves of the panel. The listwise approach in all models included only respondents who provided answers in all three waves of the panel.

In the table below, highlighted variables are coded as redundant. For more information on derived and redundant variables, [click here](#).

For more information on WORDSUM and WORDSUM2, [click here](#).

For more information on income and occupation variables in the GSS, [click here](#).

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
Facts									
adults	Heise	0.692	0.774	0.763	0.743	0.708	0.767	0.779	0.751
	$\hat{\rho}$	0.656	0.689	0.621	0.655	0.673	0.684	0.626	0.661
	N	1,256	1,264	1,260	1,260	2,000	2,022	2,043	2,022
age	Heise	0.995	0.991	0.998	0.995	0.996	0.992	0.998	0.995
	$\hat{\rho}$	0.994	0.985	0.997	0.992	0.995	0.987	0.997	0.993
	N	1,242	1,255	1,274	1,257	1,994	2,022	2,043	2,020
agekdbrn	Heise	0.945	0.944	0.915	0.935	0.944	0.950	0.904	0.933
	$\hat{\rho}$	0.930	0.950	0.945	0.941	0.933	0.947	0.940	0.940
	N	902	907	920	910	1,515	1,561	1,533	1,536
attend	Heise	0.855	0.908	0.847	0.870	0.855	0.909	0.838	0.867
	$\hat{\rho}$	0.803	0.821	0.822	0.816	0.802	0.819	0.815	0.812
	N	1,270	1,281	1,297	1,283	1,996	2,020	2,039	2,018
babies	Heise	1.072	1.107	1.091	1.090	1.064	1.150	1.089	1.101
	$\hat{\rho}$	0.768	0.772	0.786	0.776	0.775	0.775	0.789	0.780
	N	1,233	1,215	1,250	1,233	1,999	2,015	2,041	2,018
childs	Heise	0.901	0.954	0.995	0.950	0.906	0.954	0.873	0.911
	$\hat{\rho}$	0.918	0.931	0.920	0.923	0.921	0.931	0.930	0.927
	N	1,269	1,292	1,300	1,287	1,997	2,021	2,043	2,020
cohort	Heise	0.995	0.991	0.998	0.995	0.996	0.992	0.998	0.995
	$\hat{\rho}$	0.994	0.990	0.997	0.994	0.995	0.991	0.997	0.994
	N	1,242	1,255	1,274	1,257	1,994	2,022	2,043	2,020
comprend	Heise	0.759	0.628	0.652	0.679	0.733	0.626	0.713	0.690
	$\hat{\rho}$	0.589	0.607	0.594	0.597	0.588	0.616	0.633	0.612
	N	1,270	1,287	1,299	1,285	1,999	2,020	2,036	2,018
coninc	Heise	0.811	0.881	0.875	0.856	0.818	0.880	0.875	0.858
	$\hat{\rho}$	0.728	0.771	0.775	0.758	0.735	0.780	0.763	0.759
	N	1,004	1,066	1,090	1,053	1,879	1,910	1,929	1,906
conrinc	Heise	0.597	0.702	0.611	0.637	0.584	0.771	0.593	0.650
	$\hat{\rho}$	0.502	0.545	0.630	0.559	0.449	0.633	0.561	0.548
	N	548	553	581	561	1,392	1,407	1,422	1,407
degree	Heise	0.955	0.908	0.967	0.943	0.867	0.879	0.916	0.887
	$\hat{\rho}$	0.899	0.911	0.924	0.911	0.900	0.909	0.925	0.911
	N	1,275	1,295	1,304	1,291	2,000	2,022	2,044	2,022
earnrs	Heise	0.740	0.695	0.667	0.701	0.771	0.696	0.695	0.721
	$\hat{\rho}$	0.640	0.658	0.650	0.650	0.656	0.662	0.659	0.659
	N	1,258	1,286	1,291	1,278	1,999	2,021	2,040	2,020
educ	Heise	0.893	0.911	0.915	0.906	0.901	0.918	0.921	0.914
	$\hat{\rho}$	0.872	0.899	0.893	0.888	0.878	0.907	0.905	0.897

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
	N	1,271	1,291	1,301	1,288	1,999	2,020	2,042	2,020
famgen	Heise	0.797	0.914	0.974	0.895	0.808	0.919	0.972	0.900
	$\hat{\rho}$	0.761	0.743	0.733	0.745	0.766	0.746	0.733	0.748
	N	1,276	1,295	1,304	1,292	2,000	2,023	2,044	2,022
fund	Heise	0.881	0.879	0.850	0.870	0.904	0.887	0.837	0.876
	$\hat{\rho}$	0.876	0.871	0.871	0.873	0.859	0.859	0.861	0.860
	N	1,112	1,190	1,201	1,168	1,955	1,975	1,992	1,974
fund16	Heise	0.845	0.893	0.891	0.876	0.847	0.887	0.876	0.870
	$\hat{\rho}$	0.848	0.884	0.885	0.872	0.835	0.869	0.865	0.856
	N	1,175	1,216	1,218	1,203	1,958	1,981	1,996	1,978
granborn	Heise	0.960	0.971	0.969	0.967	0.966	0.963	0.974	0.968
	$\hat{\rho}$	0.882	0.925	0.918	0.908	0.885	0.915	0.922	0.907
	N	1,128	1,140	1,171	1,146	1,958	1,987	1,983	1,976
hompop	Heise	0.798	0.829	0.805	0.810	0.808	0.839	0.807	0.818
	$\hat{\rho}$	0.660	0.673	0.623	0.652	0.659	0.667	0.636	0.654
	N	1,276	1,295	1,304	1,292	2,000	2,023	2,044	2,022
hrs1	Heise	0.585	0.519	0.549	0.551	0.654	0.530	0.575	0.587
	$\hat{\rho}$	0.503	0.458	0.516	0.492	0.536	0.492	0.555	0.528
	N	551	571	563	562	1,365	1,379	1,354	1,366
income	Heise	0.599	0.629	0.656	0.628	0.641	0.597	0.709	0.649
	$\hat{\rho}$	0.535	0.520	0.526	0.527	0.574	0.508	0.625	0.569
	N	1,004	1,066	1,090	1,053	1,879	1,910	1,929	1,906
income06	Heise	0.839	0.879	0.916	0.878	0.848	0.879	0.915	0.881
	$\hat{\rho}$	0.706	0.728	0.751	0.728	0.732	0.730	0.771	0.744
	N	1,003	1,066	1,090	1,053	1,879	1,910	1,929	1,906
localnum	Heise	0.741	0.802	0.803	0.782	0.733	0.846	0.818	0.799
	$\hat{\rho}$	0.758	0.774	0.757	0.763	0.726	0.744	0.741	0.737
	N	562	574	576	571	1,378	1,388	1,360	1,375
madeg	Heise	0.933	0.939	0.937	0.936	0.926	0.895	0.945	0.922
	$\hat{\rho}$	0.887	0.907	0.883	0.892	0.870	0.883	0.877	0.877
	N	1,101	1,093	1,169	1,121	1,919	1,937	1,955	1,937
maeduc	Heise	0.904	0.887	0.847	0.879	0.893	0.893	0.846	0.877
	$\hat{\rho}$	0.880	0.894	0.873	0.882	0.879	0.890	0.881	0.883
	N	1,043	1,040	1,106	1,063	1,870	1,892	1,905	1,889
mapres80	Heise	0.782	---	---	0.782	0.770	---	---	0.770
	$\hat{\rho}$	0.780	---	---	0.780	0.775	---	---	0.775
	N	639	---	---	639	1,405	---	---	1,405
masei	Heise	0.805	---	---	0.805	0.784	---	---	0.784
	$\hat{\rho}$	0.776	---	---	0.776	0.762	---	---	0.762
	N	634	---	---	634	1,402	---	---	1,402

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
news	Heise	0.802	0.809	0.861	0.824	0.800	0.819	0.858	0.825
	$\hat{\rho}$	0.723	0.741	0.763	0.743	0.720	0.743	0.759	0.741
	N	840	848	902	863	1,311	1,329	1,430	1,357
padeg	Heise	0.948	0.955	0.931	0.945	0.942	0.952	0.927	0.940
	$\hat{\rho}$	0.923	0.933	0.934	0.930	0.903	0.918	0.929	0.917
	N	901	890	932	908	1,711	1,688	1,695	1,698
paeduc	Heise	0.933	0.945	0.923	0.933	0.931	0.938	0.922	0.931
	$\hat{\rho}$	0.919	0.937	0.929	0.928	0.916	0.925	0.927	0.922
	N	860	852	879	864	1,665	1,645	1,640	1,650
papres80	Heise	0.805	---	---	0.805	0.794	---	---	0.794
	$\hat{\rho}$	0.767	---	---	0.767	0.752	---	---	0.752
	N	933	---	---	933	1,729	---	---	1,729
pasei	Heise	0.870	---	---	0.870	0.859	---	---	0.859
	$\hat{\rho}$	0.831	---	---	0.831	0.811	---	---	0.811
	N	899	---	---	899	1,695	---	---	1,695
pray	Heise	0.807	0.873	0.894	0.858	0.803	0.869	0.888	0.853
	$\hat{\rho}$	0.796	0.832	0.816	0.815	0.793	0.828	0.814	0.812
	N	1,253	1,274	1,287	1,271	1,991	2,017	2,033	2,014
prestg80	Heise	0.772	---	---	0.772	0.774	---	---	0.774
	$\hat{\rho}$	0.700	---	---	0.700	0.690	---	---	0.690
	N	1,142	---	---	1,142	1,957	---	---	1,957
preteen	Heise	1.092	1.065	1.125	1.094	1.082	1.103	1.119	1.101
	$\hat{\rho}$	0.794	0.819	0.769	0.794	0.788	0.815	0.773	0.792
	N	1,233	1,215	1,251	1,233	1,999	2,015	2,040	2,018
raclive	Heise	0.830	0.857	0.864	0.850	0.845	0.864	0.841	0.850
	$\hat{\rho}$	0.782	0.761	0.774	0.772	0.775	0.766	0.760	0.767
	N	1,161	1,193	1,190	1,181	1,975	1,991	2,010	1,992
racwork	Heise	0.792	0.832	0.723	0.782	0.901	0.796	0.799	0.832
	$\hat{\rho}$	0.639	0.717	0.637	0.664	0.644	0.696	0.642	0.661
	N	378	343	360	360	929	912	849	897
realinc	Heise	0.777	0.876	0.833	0.829	0.782	0.875	0.834	0.830
	$\hat{\rho}$	0.692	0.727	0.732	0.717	0.698	0.739	0.710	0.716
	N	1,004	1,066	1,090	1,053	1,879	1,910	1,929	1,906
realrinc	Heise	0.549	0.639	0.507	0.565	0.530	0.731	0.483	0.581
	$\hat{\rho}$	0.346	0.426	0.476	0.416	0.246	0.547	0.359	0.384
	N	548	553	581	561	1,392	1,407	1,422	1,407
relactiv	Heise	0.747	0.673	0.708	0.709	0.743	0.667	0.706	0.705
	$\hat{\rho}$	0.673	0.686	0.676	0.678	0.676	0.677	0.678	0.677
	N	1,265	1,277	1,292	1,278	1,995	2,018	2,038	2,017

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
rincom06	Heise	0.774	0.707	0.839	0.774	0.833	0.750	0.868	0.817
	$\hat{\rho}$	0.673	0.668	0.705	0.682	0.730	0.725	0.737	0.731
	N	531	553	581	555	1,387	1,407	1,422	1,405
rincome	Heise	0.662	0.496	0.633	0.597	0.806	0.599	0.735	0.713
	$\hat{\rho}$	0.462	0.473	0.491	0.475	0.641	0.641	0.616	0.633
	N	531	553	581	555	1,387	1,407	1,422	1,405
sei	Heise	0.790	---	---	0.790	0.794	---	---	0.794
	$\hat{\rho}$	0.744	---	---	0.744	0.742	---	---	0.742
	N	1,126	---	---	1,126	1,949	---	---	1,949
sibs	Heise	0.938	0.884	0.870	0.897	0.919	0.893	0.877	0.897
	$\hat{\rho}$	0.892	0.767	0.863	0.841	0.882	0.770	0.871	0.841
	N	1,269	1,292	1,300	1,287	1,998	2,023	2,041	2,021
size	Heise	0.999	0.966	1.002	0.989	0.996	0.953	1.002	0.984
	$\hat{\rho}$	0.979	0.959	0.908	0.949	0.972	0.950	0.907	0.943
	N	1,276	1,295	1,304	1,292	2,000	2,023	2,044	2,022
spdeg	Heise	0.887	0.984	0.980	0.951	0.884	0.944	0.977	0.935
	$\hat{\rho}$	0.889	0.917	0.918	0.908	0.890	0.916	0.916	0.907
	N	545	565	509	540	1,047	1,069	995	1,037
speduc	Heise	0.912	0.921	0.909	0.914	0.923	0.933	0.911	0.922
	$\hat{\rho}$	0.865	0.887	0.899	0.884	0.885	0.901	0.902	0.896
	N	544	561	504	536	1,045	1,066	990	1,034
spfund	Heise	0.864	0.801	0.895	0.854	0.887	0.795	0.883	0.855
	$\hat{\rho}$	0.868	0.862	0.875	0.868	0.866	0.854	0.865	0.862
	N	505	510	465	493	1,022	1,036	971	1,010
sphrs1	Heise	0.674	0.728	0.711	0.704	0.636	0.719	0.721	0.692
	$\hat{\rho}$	0.533	0.492	0.486	0.504	0.587	0.571	0.546	0.568
	N	271	288	240	266	733	767	677	726
sppres80	Heise	0.764	---	---	0.764	0.782	---	---	0.782
	$\hat{\rho}$	0.700	---	---	0.700	0.705	---	---	0.705
	N	483	---	---	483	995	---	---	995
spsei	Heise	0.814	---	---	0.814	0.828	---	---	0.828
	$\hat{\rho}$	0.737	---	---	0.737	0.739	---	---	0.739
	N	472	---	---	472	992	---	---	992
teens	Heise	1.114	1.152	1.208	1.158	1.120	1.165	1.228	1.171
	$\hat{\rho}$	0.729	0.734	0.710	0.724	0.737	0.731	0.726	0.731
	N	1,233	1,214	1,253	1,233	1,999	2,015	2,041	2,018
tvhours	Heise	0.706	0.656	0.772	0.711	0.699	0.662	0.791	0.717
	$\hat{\rho}$	0.591	0.592	0.611	0.598	0.591	0.584	0.633	0.603
	N	833	839	899	857	1,311	1,326	1,428	1,355

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
weekswrk	Heise	0.898	0.838	0.869	0.868	0.898	0.843	0.877	0.873
	$\hat{\rho}$	0.716	0.735	0.721	0.724	0.711	0.741	0.733	0.728
	N	1,259	1,269	1,281	1,270	2,000	2,018	2,036	2,018
xmovie	Heise	0.817	0.893	0.864	0.858	0.809	0.886	0.875	0.857
	$\hat{\rho}$	0.800	0.768	0.804	0.791	0.794	0.772	0.817	0.794
	N	833	860	883	859	1,328	1,361	1,374	1,354
Beliefs									
bible	Heise	0.714	0.825	0.848	0.796	0.712	0.812	0.820	0.781
	$\hat{\rho}$	0.734	0.770	0.781	0.762	0.733	0.762	0.771	0.755
	N	1,238	1,246	1,267	1,250	1,986	2,012	2,026	2,008
blkwhite	Heise	0.644	---	---	0.644	0.654	---	---	0.654
	$\hat{\rho}$	0.492	---	---	0.492	0.485	---	---	0.485
	N	1,224	---	---	1,224	1,990	---	---	1,990
courts	Heise	0.681	0.631	0.772	0.694	0.673	0.621	0.770	0.688
	$\hat{\rho}$	0.575	0.604	0.620	0.599	0.563	0.603	0.607	0.591
	N	1,105	1,078	1,078	1,087	1,958	1,970	1,988	1,972
courts2	Heise	0.845	0.795	0.972	0.871	0.841	0.773	0.970	0.861
	$\hat{\rho}$	0.760	0.750	0.810	0.773	0.766	0.766	0.780	0.771
	N	705	700	692	699	1,760	1,745	1,799	1,768
fair	Heise	0.753	0.775	0.706	0.745	0.714	0.765	0.677	0.719
	$\hat{\rho}$	0.652	0.648	0.685	0.662	0.623	0.648	0.671	0.647
	N	829	862	872	854	1,328	1,363	1,373	1,355
fair2	Heise	0.854	0.843	0.788	0.828	0.805	0.830	0.761	0.799
	$\hat{\rho}$	0.758	0.739	0.779	0.759	0.722	0.716	0.765	0.734
	N	650	712	705	689	1,284	1,334	1,333	1,317
fear	Heise	0.831	0.698	0.744	0.758	0.828	0.706	0.723	0.752
	$\hat{\rho}$	0.670	0.685	0.720	0.692	0.666	0.685	0.700	0.684
	N	861	861	803	842	1,356	1,350	1,280	1,329
fechld	Heise	0.687	0.559	0.559	0.602	0.673	0.548	0.566	0.596
	$\hat{\rho}$	0.548	0.534	0.522	0.534	0.541	0.530	0.518	0.530
	N	822	835	895	851	1,308	1,327	1,426	1,354
fefam	Heise	0.635	0.668	0.669	0.657	0.619	0.663	0.672	0.651
	$\hat{\rho}$	0.598	0.622	0.618	0.613	0.587	0.623	0.625	0.612
	N	814	823	884	840	1,309	1,322	1,423	1,351
fepol	Heise	0.705	0.785	0.664	0.718	0.678	0.775	0.635	0.696
	$\hat{\rho}$	0.680	0.703	0.670	0.684	0.661	0.692	0.644	0.666
	N	736	756	812	768	1,281	1,296	1,400	1,326
fepresch	Heise	0.611	0.554	0.580	0.582	0.565	0.565	0.577	0.569
	$\hat{\rho}$	0.571	0.565	0.541	0.559	0.550	0.573	0.542	0.555
	N	811	823	875	836	1,304	1,324	1,423	1,350

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
getahead	Heise	0.454	0.397	0.540	0.464	0.479	0.414	0.535	0.476
	$\hat{\rho}$	0.397	0.432	0.466	0.432	0.397	0.433	0.476	0.435
	N	863	857	801	840	1,360	1,349	1,277	1,329
god	Heise	0.809	0.842	0.893	0.848	0.822	0.835	0.880	0.846
	$\hat{\rho}$	0.808	0.846	0.847	0.834	0.813	0.835	0.840	0.829
	N	1,255	1,271	1,280	1,269	1,994	2,017	2,034	2,015
goodlife	Heise	0.531	0.410	0.600	0.514	0.545	0.437	0.591	0.524
	$\hat{\rho}$	0.389	0.441	0.438	0.423	0.395	0.449	0.437	0.427
	N	828	861	879	856	1,327	1,362	1,373	1,354
helpful	Heise	0.706	0.637	0.645	0.663	0.687	0.655	0.637	0.660
	$\hat{\rho}$	0.628	0.597	0.585	0.604	0.611	0.606	0.580	0.599
	N	829	861	880	857	1,328	1,364	1,375	1,356
helpful2	Heise	0.808	0.718	0.725	0.750	0.767	0.726	0.715	0.736
	$\hat{\rho}$	0.730	0.690	0.682	0.701	0.702	0.683	0.658	0.681
	N	654	693	702	683	1,291	1,332	1,342	1,322
incgap	Heise	---	0.498	---	0.498	---	0.468	---	0.468
	$\hat{\rho}$	---	0.479	---	0.479	---	0.453	---	0.453
	N	---	639	---	639	---	1,785	---	1,785
inequal3	Heise	---	0.483	---	0.483	---	0.440	---	0.440
	$\hat{\rho}$	---	0.503	---	0.503	---	0.449	---	0.449
	N	---	599	---	599	---	1,761	---	1,761
inequal5	Heise	---	0.510	---	0.510	---	0.452	---	0.452
	$\hat{\rho}$	---	0.397	---	0.397	---	0.404	---	0.404
	N	---	628	---	628	---	1,769	---	1,769
intlblks	Heise	0.461	0.221	0.464	0.382	0.469	0.195	0.466	0.377
	$\hat{\rho}$	0.237	0.238	0.258	0.244	0.236	0.233	0.268	0.246
	N	784	790	837	804	1,298	1,304	1,413	1,338
intlwhts	Heise	0.364	0.244	0.363	0.323	0.338	0.231	0.352	0.307
	$\hat{\rho}$	0.276	0.267	0.271	0.272	0.279	0.270	0.267	0.272
	N	790	790	846	809	1,297	1,307	1,414	1,339
letdie1	Heise	0.806	0.805	0.876	0.829	0.800	0.809	0.859	0.823
	$\hat{\rho}$	0.765	0.696	0.790	0.750	0.769	0.735	0.781	0.762
	N	772	351	839	654	1,294	1,171	1,420	1,295
marhomo	Heise	0.843	0.846	0.849	0.846	0.838	0.827	0.842	0.836
	$\hat{\rho}$	0.750	0.777	0.810	0.779	0.753	0.762	0.798	0.771
	N	845	844	786	825	1,353	1,347	1,276	1,325
meovrwrk	Heise	0.548	0.417	0.508	0.491	0.507	0.403	0.482	0.464
	$\hat{\rho}$	0.404	0.429	0.416	0.417	0.384	0.429	0.408	0.407
	N	825	836	885	849	1,309	1,324	1,425	1,353

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
nataid	Heise	0.713	0.719	0.665	0.699	0.676	0.692	0.652	0.673
	$\hat{\rho}$	0.596	0.551	0.595	0.580	0.591	0.541	0.584	0.572
	N	585	546	597	576	988	976	998	987
nataidy	Heise	0.682	0.738	0.661	0.694	0.668	0.680	0.646	0.665
	$\hat{\rho}$	0.596	0.670	0.677	0.647	0.597	0.638	0.664	0.633
	N	607	625	619	617	993	1,010	1,022	1,008
natarms	Heise	0.698	0.709	0.682	0.696	0.698	0.695	0.686	0.693
	$\hat{\rho}$	0.587	0.616	0.616	0.606	0.597	0.618	0.607	0.607
	N	605	574	613	597	987	992	1,003	994
natarmsy	Heise	0.659	0.621	0.713	0.664	0.635	0.655	0.699	0.663
	$\hat{\rho}$	0.566	0.584	0.590	0.580	0.546	0.584	0.563	0.565
	N	588	620	611	606	998	1,005	1,013	1,005
natchld	Heise	0.632	0.607	0.663	0.634	0.569	0.595	0.655	0.606
	$\hat{\rho}$	0.511	0.538	0.556	0.535	0.493	0.541	0.541	0.525
	N	1,075	1,091	1,115	1,094	1,946	1,968	1,999	1,971
nacity	Heise	0.381	0.548	0.463	0.464	0.406	0.579	0.430	0.472
	$\hat{\rho}$	0.393	0.392	0.396	0.394	0.364	0.410	0.382	0.386
	N	515	486	523	508	974	963	973	970
nacityy	Heise	0.507	0.496	0.509	0.504	0.509	0.503	0.472	0.495
	$\hat{\rho}$	0.456	0.536	0.476	0.489	0.423	0.528	0.460	0.470
	N	495	503	481	493	956	966	973	965
natcrime	Heise	0.827	0.522	0.576	0.642	0.802	0.535	0.646	0.661
	$\hat{\rho}$	0.447	0.441	0.451	0.446	0.451	0.450	0.478	0.460
	N	604	573	599	592	990	989	1,001	993
natcrimy	Heise	0.587	0.712	0.738	0.679	0.590	0.689	0.731	0.670
	$\hat{\rho}$	0.552	0.623	0.593	0.589	0.552	0.614	0.594	0.587
	N	611	648	632	630	1,002	1,014	1,023	1,013
natdrug	Heise	0.482	0.378	0.574	0.478	0.451	0.390	0.574	0.472
	$\hat{\rho}$	0.408	0.443	0.489	0.446	0.395	0.441	0.479	0.438
	N	595	566	599	587	984	990	1,000	991
natdrugy	Heise	0.872	0.558	0.566	0.665	0.952	0.560	0.535	0.683
	$\hat{\rho}$	0.475	0.535	0.504	0.505	0.456	0.529	0.506	0.497
	N	537	589	567	564	983	992	1,006	994
nateduc	Heise	0.742	0.660	0.757	0.719	0.742	0.643	0.750	0.712
	$\hat{\rho}$	0.612	0.646	0.654	0.637	0.596	0.634	0.630	0.620
	N	620	601	625	615	992	1,003	1,010	1,002
nateducy	Heise	0.681	0.725	0.864	0.757	0.705	0.711	0.882	0.766
	$\hat{\rho}$	0.662	0.658	0.677	0.666	0.665	0.649	0.680	0.664
	N	620	659	650	643	1,005	1,018	1,028	1,017

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
natenvir	Heise	0.716	0.739	0.760	0.738	0.692	0.787	0.767	0.749
	$\hat{\rho}$	0.643	0.583	0.676	0.634	0.627	0.605	0.676	0.636
	N	604	596	616	605	988	991	999	993
natenviy	Heise	0.788	0.826	0.678	0.764	0.797	0.787	0.655	0.746
	$\hat{\rho}$	0.593	0.686	0.639	0.639	0.586	0.664	0.641	0.630
	N	593	636	629	619	996	1,009	1,017	1,007
natfare	Heise	0.766	0.781	0.639	0.729	0.745	0.770	0.629	0.715
	$\hat{\rho}$	0.626	0.650	0.600	0.625	0.615	0.641	0.599	0.618
	N	592	552	604	583	988	991	1,001	993
natfarey	Heise	0.804	0.704	0.664	0.724	0.793	0.696	0.693	0.728
	$\hat{\rho}$	0.700	0.643	0.600	0.648	0.694	0.640	0.606	0.647
	N	605	641	622	623	996	1,013	1,016	1,008
natheal	Heise	0.734	0.576	0.592	0.634	0.700	0.647	0.620	0.656
	$\hat{\rho}$	0.488	0.495	0.505	0.496	0.481	0.508	0.497	0.495
	N	608	583	612	601	989	993	1,005	996
nathealy	Heise	0.542	0.614	0.599	0.585	0.532	0.610	0.581	0.574
	$\hat{\rho}$	0.473	0.589	0.489	0.517	0.474	0.575	0.485	0.511
	N	611	640	620	624	1,000	1,016	1,022	1,013
natmass	Heise	0.616	0.676	0.604	0.632	0.529	0.662	0.623	0.605
	$\hat{\rho}$	0.507	0.542	0.555	0.535	0.468	0.533	0.556	0.519
	N	1,116	1,127	1,154	1,132	1,961	1,971	2,008	1,980
natpark	Heise	0.591	0.485	0.499	0.525	0.589	0.450	0.490	0.510
	$\hat{\rho}$	0.459	0.493	0.483	0.478	0.459	0.474	0.483	0.472
	N	1,214	1,231	1,240	1,228	1,990	2,001	2,033	2,008
natrace	Heise	0.836	0.724	0.842	0.801	0.833	0.688	0.761	0.761
	$\hat{\rho}$	0.677	0.620	0.729	0.676	0.665	0.608	0.677	0.650
	N	507	475	516	499	961	962	962	962
natracey	Heise	0.655	0.666	0.666	0.662	0.636	0.673	0.648	0.652
	$\hat{\rho}$	0.638	0.692	0.690	0.673	0.622	0.674	0.674	0.657
	N	469	504	466	480	954	969	976	966
natroad	Heise	0.455	0.603	0.610	0.556	0.500	0.636	0.617	0.584
	$\hat{\rho}$	0.415	0.518	0.557	0.497	0.417	0.524	0.557	0.499
	N	1,211	1,220	1,239	1,223	1,974	2,000	2,024	1,999
natsci	Heise	0.529	0.502	0.618	0.550	0.534	0.510	0.595	0.546
	$\hat{\rho}$	0.447	0.459	0.491	0.465	0.454	0.464	0.474	0.464
	N	1,103	1,124	1,132	1,120	1,953	1,972	1,993	1,973
natsoc	Heise	0.607	0.615	0.743	0.655	0.592	0.614	0.712	0.639
	$\hat{\rho}$	0.580	0.557	0.588	0.575	0.570	0.552	0.581	0.568
	N	1,171	1,173	1,177	1,174	1,979	1,993	2,014	1,995

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
natspac	Heise	0.762	0.775	0.753	0.763	0.697	0.759	0.745	0.734
	$\hat{\rho}$	0.681	0.680	0.714	0.692	0.648	0.665	0.688	0.667
	N	568	554	564	562	977	974	989	980
natspacy	Heise	0.717	0.821	0.710	0.749	0.707	0.794	0.704	0.735
	$\hat{\rho}$	0.621	0.630	0.660	0.637	0.622	0.630	0.644	0.632
	N	567	603	570	580	987	1,002	1,001	997
permoral	Heise	0.415	---	---	0.415	0.411	---	---	0.411
	$\hat{\rho}$	0.343	---	---	0.343	0.338	---	---	0.338
	N	1,187	---	---	1,187	1,986	---	---	1,986
popespks	Heise	0.633	0.565	0.703	0.634	0.651	0.567	0.643	0.620
	$\hat{\rho}$	0.585	0.600	0.650	0.612	0.573	0.556	0.617	0.582
	N	246	109	225	193	543	437	518	499
postlife	Heise	0.926	0.905	0.946	0.926	0.920	0.913	0.918	0.917
	$\hat{\rho}$	0.927	0.912	0.890	0.910	0.928	0.908	0.940	0.925
	N	998	1,007	1,016	1,007	1,898	1,922	1,937	1,919
premarsx	Heise	0.781	0.857	0.824	0.821	0.762	0.847	0.828	0.812
	$\hat{\rho}$	0.792	0.783	0.779	0.785	0.776	0.772	0.772	0.773
	N	785	807	865	819	1,297	1,313	1,416	1,342
punsin	Heise	0.654	---	---	0.654	0.631	---	---	0.631
	$\hat{\rho}$	0.594	---	---	0.594	0.574	---	---	0.574
	N	1,094	---	---	1,094	1,971	---	---	1,971
racdif1	Heise	0.752	0.734	0.781	0.756	0.717	0.692	0.746	0.718
	$\hat{\rho}$	0.638	0.677	0.680	0.665	0.627	0.661	0.668	0.652
	N	757	778	817	784	1,294	1,306	1,401	1,334
racdif2	Heise	0.787	0.527	0.749	0.688	0.759	0.557	0.720	0.679
	$\hat{\rho}$	0.684	0.626	0.625	0.645	0.665	0.623	0.632	0.640
	N	795	814	866	825	1,300	1,316	1,414	1,343
racdif3	Heise	0.712	0.758	0.727	0.732	0.699	0.707	0.720	0.709
	$\hat{\rho}$	0.614	0.669	0.613	0.632	0.600	0.645	0.611	0.619
	N	790	804	845	813	1,298	1,320	1,412	1,343
racdif4	Heise	0.716	0.616	0.781	0.704	0.695	0.627	0.776	0.699
	$\hat{\rho}$	0.642	0.610	0.628	0.627	0.614	0.599	0.612	0.608
	N	743	762	813	773	1,287	1,304	1,402	1,331
rotapple	Heise	0.523	---	---	0.523	0.521	---	---	0.521
	$\hat{\rho}$	0.406	---	---	0.406	0.404	---	---	0.404
	N	1,200	---	---	1,200	1,988	---	---	1,988
spanking	Heise	0.656	0.688	0.746	0.697	0.662	0.694	0.746	0.700
	$\hat{\rho}$	0.642	0.655	0.705	0.667	0.642	0.649	0.703	0.665
	N	822	819	879	840	1,306	1,322	1,426	1,351

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
tax	Heise	0.634	0.689	0.762	0.695	0.648	0.666	0.727	0.680
	$\hat{\rho}$	0.590	0.594	0.682	0.622	0.604	0.580	0.661	0.615
	N	817	819	772	803	1,348	1,337	1,265	1,317
teensex	Heise	0.645	0.607	0.769	0.673	0.653	0.615	0.786	0.684
	$\hat{\rho}$	0.573	0.614	0.627	0.605	0.579	0.613	0.631	0.608
	N	819	828	881	843	1,303	1,324	1,426	1,351
trust	Heise	0.847	0.829	0.729	0.802	0.823	0.816	0.708	0.783
	$\hat{\rho}$	0.687	0.797	0.715	0.733	0.684	0.788	0.701	0.724
	N	836	869	885	863	1,865	1,365	1,377	1,536
trust2	Heise	0.874	0.863	0.792	0.843	0.875	0.857	0.762	0.831
	$\hat{\rho}$	0.765	0.862	0.782	0.803	0.749	0.858	0.757	0.788
	N	705	762	770	746	1,820	1,354	1,358	1,511
wlthblks	Heise	0.334	0.342	0.349	0.342	0.317	0.355	0.338	0.337
	$\hat{\rho}$	0.318	0.318	0.353	0.330	0.312	0.331	0.347	0.330
	N	794	807	858	820	1,300	1,318	1,419	1,346
wlthwhts	Heise	0.279	0.330	0.537	0.382	0.282	0.331	0.524	0.379
	$\hat{\rho}$	0.290	0.304	0.396	0.330	0.291	0.307	0.407	0.335
	N	799	813	867	826	1,300	1,320	1,421	1,347
workblks	Heise	0.409	0.323	0.377	0.370	0.404	0.320	0.372	0.365
	$\hat{\rho}$	0.394	0.373	0.337	0.368	0.400	0.384	0.347	0.377
	N	789	790	847	809	1,297	1,308	1,418	1,341
workwhts	Heise	0.331	0.605	0.559	0.498	0.340	0.644	0.490	0.491
	$\hat{\rho}$	0.355	0.374	0.347	0.359	0.366	0.384	0.332	0.361
	N	793	796	860	816	1,297	1,313	1,416	1,342

Values

aged	Heise	0.611	0.511	0.621	0.581	0.614	0.520	0.627	0.587
	$\hat{\rho}$	0.473	0.504	0.471	0.483	0.461	0.505	0.479	0.481
	N	820	853	871	848	1,329	1,363	1,374	1,355
aged2	Heise	0.731	0.610	0.828	0.723	0.767	0.621	0.783	0.724
	$\hat{\rho}$	0.651	0.675	0.648	0.658	0.636	0.636	0.638	0.637
	N	486	534	518	513	1,237	1,277	1,277	1,264
chldidel	Heise	0.682	0.858	0.607	0.716	0.690	0.855	0.639	0.728
	$\hat{\rho}$	0.686	0.710	0.669	0.689	0.691	0.681	0.688	0.686
	N	634	636	685	652	1,238	1,227	1,333	1,266
colath	Heise	0.712	0.635	0.750	0.699	0.682	0.630	0.732	0.681
	$\hat{\rho}$	0.644	0.669	0.636	0.650	0.616	0.654	0.624	0.631
	N	815	818	758	797	1,350	1,330	1,273	1,318
colcom	Heise	0.693	0.704	0.790	0.729	0.665	0.664	0.759	0.696
	$\hat{\rho}$	0.599	0.590	0.642	0.610	0.582	0.569	0.624	0.591
	N	784	781	727	764	1,340	1,334	1,260	1,311

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
colhomo	Heise	0.780	0.791	0.762	0.778	0.779	0.743	0.775	0.766
	$\hat{\rho}$	0.690	0.816	0.742	0.749	0.713	0.792	0.758	0.754
	N	823	824	784	810	1,351	1,340	1,269	1,320
colmil	Heise	0.769	0.581	0.740	0.697	0.740	0.570	0.705	0.672
	$\hat{\rho}$	0.550	0.591	0.631	0.590	0.528	0.578	0.603	0.570
	N	804	803	760	789	1,351	1,334	1,269	1,318
colrac	Heise	0.702	0.577	0.635	0.638	0.681	0.542	0.645	0.622
	$\hat{\rho}$	0.512	0.584	0.532	0.542	0.493	0.543	0.526	0.521
	N	813	801	761	792	1,353	1,335	1,272	1,320
divlaw	Heise	0.675	0.690	0.728	0.698	0.670	0.692	0.713	0.692
	$\hat{\rho}$	0.682	0.674	0.699	0.685	0.664	0.658	0.680	0.667
	N	747	751	784	761	1,293	1,306	1,394	1,331
divlaw2	Heise	0.860	0.870	0.861	0.864	0.829	0.844	0.861	0.844
	$\hat{\rho}$	0.865	0.856	0.862	0.861	0.838	0.824	0.880	0.847
	N	431	441	480	451	1,105	1,158	1,227	1,163
eqwlth	Heise	0.687	0.545	0.699	0.644	0.675	0.552	0.672	0.633
	$\hat{\rho}$	0.537	0.560	0.623	0.573	0.526	0.558	0.597	0.560
	N	816	850	872	846	1,324	1,361	1,780	1,488
fehire	Heise	0.527	0.465	0.433	0.475	0.480	0.447	0.434	0.454
	$\hat{\rho}$	0.473	0.461	0.476	0.470	0.443	0.451	0.485	0.460
	N	417	450	438	435	653	680	698	677
grass	Heise	0.939	0.864	0.910	0.904	0.943	0.855	0.936	0.911
	$\hat{\rho}$	0.866	0.848	0.897	0.870	0.849	0.864	0.865	0.859
	N	696	711	741	716	1,298	1,326	1,349	1,324
helpblk	Heise	0.640	0.652	0.662	0.651	0.585	0.640	0.656	0.627
	$\hat{\rho}$	0.593	0.618	0.631	0.614	0.569	0.615	0.625	0.603
	N	766	799	821	795	1,323	1,351	1,358	1,344
helpnot	Heise	0.458	0.589	0.494	0.514	0.471	0.559	0.497	0.509
	$\hat{\rho}$	0.439	0.498	0.532	0.489	0.433	0.487	0.527	0.482
	N	771	802	822	798	1,316	1,348	1,354	1,339
helpoth	Heise	0.512	0.424	0.416	0.451	0.515	0.414	0.419	0.449
	$\hat{\rho}$	0.413	0.425	0.382	0.407	0.421	0.420	0.384	0.408
	N	413	848	869	710	1,154	1,359	1,368	1,294
helppoor	Heise	0.733	0.534	0.598	0.622	0.682	0.503	0.559	0.581
	$\hat{\rho}$	0.522	0.567	0.566	0.552	0.507	0.556	0.544	0.535
	N	780	813	835	809	1,325	1,357	1,362	1,348
helpsick	Heise	0.549	0.718	0.678	0.648	0.527	0.690	0.664	0.627
	$\hat{\rho}$	0.461	0.576	0.622	0.553	0.457	0.559	0.611	0.542
	N	785	813	837	812	1,325	1,359	1,358	1,347

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
homosex	Heise	0.895	0.955	0.893	0.914	0.888	0.933	0.892	0.904
	$\hat{\rho}$	0.871	0.880	0.882	0.877	0.851	0.860	0.873	0.861
	N	772	772	726	757	1,337	1,325	1,266	1,309
letin1	Heise	0.584	0.526	0.602	0.571	0.585	0.525	0.560	0.557
	$\hat{\rho}$		0.581	0.571	0.576	0.634	0.579	0.551	0.588
	N	782	811	860	818	1,303	1,311	1,417	1,344
libath	Heise	0.661	0.706	0.627	0.665	0.640	0.668	0.621	0.643
	$\hat{\rho}$	0.581	0.665	0.626	0.624	0.562	0.644	0.615	0.607
	N	836	820	783	813	1,356	1,340	1,271	1,322
libcom	Heise	0.749	0.747	0.811	0.769	0.763	0.725	0.807	0.765
	$\hat{\rho}$	0.646	0.660	0.713	0.673	0.656	0.655	0.694	0.668
	N	829	817	766	804	1,350	1,337	1,263	1,317
libhomo	Heise	0.830	0.692	0.686	0.736	0.834	0.666	0.694	0.731
	$\hat{\rho}$	0.662	0.739	0.705	0.702	0.653	0.715	0.708	0.692
	N	833	831	787	817	1,350	1,340	1,269	1,320
libmil	Heise	0.705	0.701	0.733	0.713	0.734	0.663	0.703	0.700
	$\hat{\rho}$	0.520	0.635	0.625	0.593	0.515	0.603	0.616	0.578
	N	832	823	783	813	1,352	1,335	1,270	1,319
librac	Heise	0.539	0.595	0.516	0.550	0.542	0.582	0.489	0.538
	$\hat{\rho}$	0.529	0.594	0.564	0.563	0.507	0.583	0.538	0.543
	N	833	820	775	809	1,353	1,338	1,275	1,322
liveblks	Heise	0.517	0.470	0.368	0.452	0.484	0.415	0.344	0.414
	$\hat{\rho}$	0.483	0.410	0.414	0.436	0.463	0.392	0.400	0.418
	N	823	830	890	848	1,309	1,319	1,423	1,350
livewhts	Heise	0.317	0.470	0.220	0.336	0.272	0.455	0.256	0.328
	$\hat{\rho}$	0.257	0.309	0.228	0.265	0.236	0.308	0.235	0.260
	N	821	825	888	845	1,308	1,324	1,421	1,351
obey	Heise	0.702	0.706	0.671	0.693	0.636	0.712	0.645	0.664
	$\hat{\rho}$	0.621	0.598	0.632	0.617	0.603	0.602	0.614	0.606
	N	413	848	869	710	1,154	1,359	1,368	1,294
pillok	Heise	0.633	0.587	0.596	0.605	0.609	0.645	0.597	0.617
	$\hat{\rho}$	0.576	0.490	0.598	0.555	0.567	0.540	0.589	0.565
	N	809	367	860	679	1,299	1,176	1,419	1,298
popular	Heise	0.603	0.603	0.581	0.596	0.668	0.583	0.573	0.608
	$\hat{\rho}$	0.463	0.507	0.514	0.495	0.505	0.499	0.519	0.508
	N	413	848	869	710	1,154	1,359	1,368	1,294
pornlaw	Heise	0.617	0.665	0.608	0.630	0.632	0.673	0.584	0.630
	$\hat{\rho}$	0.675	0.586	0.648	0.636	0.679	0.579	0.642	0.633
	N	829	859	874	854	1,321	1,363	1,374	1,353

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
spkath	Heise	0.868	0.740	0.736	0.781	0.873	0.748	0.764	0.795
	$\hat{\rho}$	0.768	0.673	0.658	0.699	0.781	0.669	0.665	0.705
	N	860	851	797	836	1,354	1,344	1,278	1,325
spkcom	Heise	0.822	0.796	0.800	0.806	0.844	0.792	0.817	0.818
	$\hat{\rho}$	0.793	0.770	0.756	0.773	0.795	0.765	0.754	0.771
	N	836	832	769	812	1,350	1,339	1,265	1,318
spkhomo	Heise	0.850	0.863	0.745	0.819	0.893	0.825	0.757	0.825
	$\hat{\rho}$	0.667	0.771	0.725	0.721	0.713	0.767	0.737	0.739
	N	837	835	788	820	1,350	1,339	1,273	1,321
spkmil	Heise	0.717	0.625	0.752	0.698	0.727	0.619	0.743	0.696
	$\hat{\rho}$	0.595	0.685	0.617	0.633	0.598	0.669	0.609	0.626
	N	832	828	785	815	1,353	1,337	1,273	1,321
spkrac	Heise	0.758	0.814	0.667	0.746	0.780	0.788	0.673	0.747
	$\hat{\rho}$	0.533	0.664	0.627	0.608	0.550	0.653	0.628	0.610
	N	846	840	786	824	1,352	1,343	1,274	1,323
suicide1	Heise	0.868	0.808	0.773	0.816	0.872	0.788	0.730	0.797
	$\hat{\rho}$	0.797	0.782	0.804	0.794	0.786	0.765	0.767	0.773
	N	770	776	823	790	1,295	1,308	1,417	1,340
suicide2	Heise	0.868	0.739	0.948	0.852	0.845	0.744	0.949	0.846
	$\hat{\rho}$	0.711	0.738	0.753	0.734	0.703	0.708	0.752	0.721
	N	815	814	864	831	1,307	1,324	1,427	1,353
suicide3	Heise	0.774	0.829	0.899	0.834	0.753	0.817	0.885	0.818
	$\hat{\rho}$	0.712	0.742	0.794	0.749	0.696	0.716	0.780	0.731
	N	811	815	858	828	1,307	1,322	1,424	1,351
suicide4	Heise	0.792	0.751	0.857	0.800	0.808	0.748	0.856	0.804
	$\hat{\rho}$	0.723	0.753	0.762	0.746	0.727	0.742	0.757	0.742
	N	790	799	849	813	1,302	1,318	1,419	1,346
thnkself	Heise	0.594	0.624	0.575	0.597	0.597	0.607	0.585	0.596
	$\hat{\rho}$	0.477	0.530	0.529	0.512	0.503	0.527	0.536	0.522
	N	413	848	869	710	1,154	1,359	1,368	1,294
workhard	Heise	0.478	0.425	0.379	0.427	0.545	0.423	0.356	0.441
	$\hat{\rho}$	0.348	0.383	0.394	0.375	0.391	0.384	0.386	0.387
	N	413	848	869	710	1,154	1,359	1,368	1,294
wrkwayup	Heise	0.668	0.652	0.661	0.660	0.648	0.618	0.629	0.632
	$\hat{\rho}$	0.581	0.579	0.649	0.603	0.563	0.562	0.628	0.584
	N	816	814	888	839	1,304	1,321	1,425	1,350
xmarsex	Heise	0.753	0.715	0.627	0.698	0.748	0.713	0.657	0.706
	$\hat{\rho}$	0.642	0.635	0.663	0.646	0.649	0.636	0.672	0.652
	N	845	832	786	821	1,351	1,347	1,279	1,326

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
Attitudes									
abany	Heise	0.797	0.885	0.896	0.859	0.807	0.880	0.870	0.852
	$\hat{\rho}$	0.822	0.833	0.830	0.829	0.822	0.827	0.818	0.822
	N	816	789	739	781	1,347	1,336	1,266	1,316
abdefect	Heise	0.865	0.815	0.932	0.871	0.846	0.828	0.906	0.860
	$\hat{\rho}$	0.869	0.811	0.863	0.848	0.865	0.815	0.841	0.841
	N	789	763	741	764	1,341	1,323	1,262	1,309
abhlth	Heise	0.806	0.981	0.880	0.889	0.787	1.001	0.872	0.887
	$\hat{\rho}$	0.808	0.777	0.841	0.809	0.794	0.788	0.840	0.808
	N	794	767	744	768	1,342	1,332	1,259	1,311
abnomore	Heise	0.844	0.953	0.867	0.888	0.856	0.923	0.833	0.871
	$\hat{\rho}$	0.818	0.852	0.836	0.835	0.821	0.862	0.815	0.833
	N	810	780	739	776	1,340	1,335	1,265	1,313
abpoor	Heise	0.901	0.940	0.857	0.899	0.888	0.918	0.837	0.881
	$\hat{\rho}$	0.823	0.855	0.857	0.845	0.814	0.873	0.866	0.851
	N	807	781	743	777	1,341	1,331	1,269	1,314
abrape	Heise	0.889	0.884	0.937	0.903	0.905	0.906	0.920	0.910
	$\hat{\rho}$	0.836	0.870	0.930	0.879	0.835	0.884	0.920	0.880
	N	785	781	744	770	1,338	1,325	1,267	1,310
absingle	Heise	0.870	0.903	0.852	0.875	0.882	0.876	0.819	0.859
	$\hat{\rho}$	0.837	0.843	0.854	0.845	0.839	0.830	0.832	0.833
	N	814	799	749	787	1,344	1,334	1,268	1,315
affrmact	Heise	0.665	0.646	0.700	0.670	0.671	0.617	0.650	0.646
	$\hat{\rho}$	0.567	0.576	0.603	0.582	0.577	0.578	0.580	0.578
	N	752	756	801	770	1,296	1,302	1,400	1,333
cappun	Heise	0.880	0.902	0.873	0.885	0.887	0.911	0.861	0.886
	$\hat{\rho}$	0.861	0.834	0.842	0.846	0.861	0.822	0.831	0.838
	N	1,109	1,154	1,142	1,135	1,960	1,973	1,995	1,976
conarmy	Heise	0.597	0.633	0.652	0.628	0.576	0.605	0.660	0.614
	$\hat{\rho}$	0.516	0.583	0.533	0.544	0.509	0.578	0.545	0.544
	N	821	839	872	844	1,321	1,360	1,368	1,350
conbus	Heise	0.509	0.525	0.547	0.527	0.508	0.531	0.548	0.529
	$\hat{\rho}$	0.450	0.538	0.526	0.505	0.447	0.545	0.519	0.504
	N	799	836	848	828	1,315	1,353	1,368	1,345
conclerg	Heise	0.688	0.612	0.659	0.653	0.696	0.621	0.616	0.644
	$\hat{\rho}$	0.598	0.585	0.602	0.595	0.584	0.598	0.587	0.590
	N	796	835	834	822	1,318	1,354	1,364	1,345
coneduc	Heise	0.474	0.496	0.501	0.490	0.470	0.503	0.467	0.480
	$\hat{\rho}$	0.505	0.484	0.504	0.498	0.499	0.485	0.490	0.491
	N	833	857	880	857	1,328	1,362	1,371	1,354

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
confinan	Heise	0.611	0.530	0.602	0.581	0.645	0.527	0.603	0.592
	$\hat{\rho}$	0.389	0.451	0.520	0.453	0.390	0.452	0.530	0.457
	N	821	853	882	852	1,324	1,362	1,371	1,352
conjudge	Heise	0.661	0.618	0.566	0.615	0.639	0.603	0.572	0.605
	$\hat{\rho}$	0.502	0.557	0.508	0.522	0.491	0.543	0.525	0.520
	N	796	821	850	822	1,318	1,350	1,362	1,343
conlabor	Heise	0.637	0.539	0.586	0.587	0.608	0.553	0.603	0.588
	$\hat{\rho}$	0.545	0.527	0.537	0.537	0.543	0.524	0.532	0.533
	N	754	786	806	782	1,310	1,348	1,355	1,338
conlegis	Heise	0.600	0.519	0.700	0.607	0.568	0.521	0.688	0.593
	$\hat{\rho}$	0.495	0.531	0.568	0.531	0.480	0.529	0.554	0.521
	N	817	842	864	841	1,316	1,356	1,362	1,345
conmedic	Heise	0.589	0.478	0.568	0.545	0.599	0.497	0.566	0.554
	$\hat{\rho}$	0.453	0.478	0.458	0.463	0.470	0.486	0.456	0.471
	N	827	856	874	852	1,328	1,364	1,375	1,356
conpress	Heise	0.510	0.698	0.721	0.643	0.529	0.663	0.695	0.629
	$\hat{\rho}$	0.458	0.575	0.540	0.524	0.473	0.567	0.540	0.526
	N	824	845	870	846	1,326	1,361	1,372	1,353
consci	Heise	0.571	0.729	0.469	0.590	0.540	0.705	0.442	0.562
	$\hat{\rho}$	0.491	0.580	0.517	0.529	0.482	0.565	0.506	0.518
	N	766	796	812	791	1,303	1,343	1,355	1,334
contv	Heise	0.601	0.570	0.793	0.655	0.579	0.563	0.785	0.642
	$\hat{\rho}$	0.436	0.495	0.508	0.480	0.431	0.496	0.506	0.477
	N	824	845	865	845	1,325	1,362	1,374	1,354
fejobaff	Heise	0.651	0.663	0.619	0.644	0.622	0.677	0.609	0.636
	$\hat{\rho}$	0.595	0.578	0.580	0.584	0.573	0.571	0.573	0.572
	N	387	350	402	380	648	636	719	668
gunlaw	Heise	0.754	0.647	0.644	0.682	0.735	0.638	0.656	0.676
	$\hat{\rho}$	0.710	0.653	0.593	0.652	0.701	0.639	0.605	0.649
	N	836	841	792	823	1,354	1,346	1,278	1,326
marasian	Heise	0.529	0.570	0.497	0.532	0.530	0.581	0.493	0.535
	$\hat{\rho}$	0.490	0.483	0.500	0.491	0.488	0.482	0.500	0.490
	N	823	832	891	849	1,309	1,322	1,425	1,352
marblk	Heise	0.661	0.636	0.612	0.637	0.659	0.650	0.614	0.641
	$\hat{\rho}$	0.601	0.593	0.603	0.599	0.599	0.602	0.604	0.602
	N	827	834	890	850	1,308	1,324	1,426	1,353
marhisp	Heise	0.533	0.631	0.491	0.552	0.545	0.630	0.464	0.546
	$\hat{\rho}$	0.503	0.500	0.495	0.499	0.509	0.498	0.484	0.497
	N	826	834	888	849	1,309	1,324	1,424	1,352

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
marwht	Heise	0.450	0.416	0.435	0.434	0.408	0.433	0.407	0.416
	$\hat{\rho}$	0.381	0.378	0.391	0.383	0.371	0.385	0.381	0.379
	N	828	839	895	854	1,309	1,326	1,425	1,353
polabuse	Heise	0.975	0.452	0.625	0.684	0.730	0.471	0.564	0.588
	$\hat{\rho}$	0.561	0.514	0.428	0.501	0.545	0.534	0.396	0.492
	N	793	815	856	821	1,318	1,357	1,362	1,346
polattak	Heise	0.515	0.597	0.538	0.550	0.516	0.567	0.556	0.546
	$\hat{\rho}$	0.549	0.532	0.520	0.534	0.565	0.528	0.536	0.543
	N	802	838	858	833	1,324	1,363	1,367	1,351
polescap	Heise	0.508	0.680	0.660	0.616	0.541	0.675	0.612	0.609
	$\hat{\rho}$	0.508	0.566	0.591	0.555	0.499	0.562	0.565	0.542
	N	734	793	787	771	1,302	1,353	1,356	1,337
polhitok	Heise	0.735	0.824	0.707	0.755	0.762	0.841	0.678	0.760
	$\hat{\rho}$	0.726	0.720	0.740	0.728	0.743	0.749	0.720	0.737
	N	755	358	781	631	1,297	1,207	1,348	1,284
polmurdr	Heise	0.596	0.685	0.637	0.639	0.513	0.699	0.605	0.606
	$\hat{\rho}$	0.490	0.561	0.496	0.515	0.456	0.552	0.508	0.505
	N	772	820	839	810	1,317	1,350	1,363	1,343
prayer	Heise	0.741	0.826	0.790	0.786	0.698	0.819	0.768	0.761
	$\hat{\rho}$	0.703	0.693	0.733	0.710	0.677	0.684	0.706	0.689
	N	755	780	810	782	1,284	1,307	1,407	1,333
racopen	Heise	0.627	0.645	0.608	0.627	0.620	0.638	0.597	0.619
	$\hat{\rho}$	0.538	0.524	0.583	0.549	0.522	0.511	0.578	0.537
	N	856	852	796	835	1,357	1,348	1,281	1,329
racopen2	Heise	0.670	0.709	0.666	0.682	0.657	0.681	0.633	0.657
	$\hat{\rho}$	0.583	0.574	0.643	0.600	0.572	0.552	0.616	0.580
	N	774	770	726	757	1,334	1,334	1,271	1,313
sexeduc	Heise	0.878	0.804	0.780	0.821	0.846	0.812	0.825	0.827
	$\hat{\rho}$	0.806	0.746	0.734	0.762	0.830	0.740	0.768	0.779
	N	808	818	879	835	1,302	1,318	1,424	1,348
Self-assessments									
closeblk	Heise	0.611	0.671	0.743	0.675	0.604	0.656	0.725	0.662
	$\hat{\rho}$	0.589	0.621	0.649	0.620	0.583	0.616	0.648	0.616
	N	856	843	795	831	1,357	1,349	1,275	1,327
closewht	Heise	0.499	0.534	0.489	0.507	0.478	0.537	0.482	0.499
	$\hat{\rho}$	0.461	0.461	0.482	0.468	0.446	0.461	0.492	0.466
	N	860	847	795	834	1,358	1,350	1,278	1,329
finalter	Heise	0.549	0.535	0.631	0.572	0.570	0.535	0.635	0.580
	$\hat{\rho}$	0.324	0.395	0.374	0.364	0.332	0.396	0.374	0.367
	N	1,266	1,287	1,295	1,283	1,995	2,017	2,041	2,018

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
finalter2	Heise	0.774	0.896	0.925	0.865	0.810	0.847	0.952	0.870
	$\hat{\rho}$	0.583	0.670	0.660	0.638	0.570	0.652	0.615	0.612
	N	397	405	395	399	1,628	1,591	1,646	1,622
finrela	Heise	0.567	0.617	0.594	0.593	0.566	0.644	0.622	0.611
	$\hat{\rho}$	0.593	0.637	0.634	0.621	0.589	0.653	0.642	0.628
	N	1,248	1,268	1,272	1,263	1,995	2,013	2,035	2,014
hapmar	Heise	0.833	0.788	0.786	0.802	0.850	0.762	0.774	0.795
	$\hat{\rho}$	0.703	0.720	0.713	0.712	0.705	0.697	0.704	0.702
	N	548	562	510	540	1,050	1,072	992	1,038
happy	Heise	0.586	0.585	0.609	0.593	0.589	0.574	0.612	0.592
	$\hat{\rho}$	0.525	0.524	0.514	0.521	0.527	0.522	0.523	0.524
	N	1,265	1,282	1,297	1,281	2,000	2,020	2,043	2,021
health	Heise	0.788	0.768	0.788	0.781	0.762	0.778	0.800	0.780
	$\hat{\rho}$	0.713	0.668	0.718	0.700	0.712	0.682	0.736	0.710
	N	869	869	813	850	1,358	1,351	1,281	1,330
kidssol	Heise	0.719	0.651	0.742	0.704	0.687	0.624	0.726	0.679
	$\hat{\rho}$	0.564	0.572	0.615	0.584	0.538	0.557	0.613	0.569
	N	656	670	709	678	1,220	1,269	1,278	1,256
life	Heise	0.637	0.672	0.706	0.671	0.634	0.658	0.670	0.654
	$\hat{\rho}$	0.626	0.642	0.664	0.644	0.620	0.629	0.646	0.632
	N	853	841	793	829	1,353	1,348	1,276	1,326
parsol	Heise	0.695	0.627	0.723	0.682	0.654	0.624	0.692	0.657
	$\hat{\rho}$	0.595	0.646	0.632	0.624	0.576	0.640	0.621	0.612
	N	819	845	871	845	1,327	1,357	1,372	1,352
satfin	Heise	0.690	0.729	0.757	0.725	0.670	0.738	0.766	0.725
	$\hat{\rho}$	0.550	0.632	0.642	0.608	0.542	0.646	0.648	0.612
	N	1,267	1,284	1,296	1,282	1,997	2,021	2,043	2,020
satjob	Heise	0.673	0.615	0.615	0.634	0.650	0.603	0.530	0.594
	$\hat{\rho}$	0.484	0.491	0.494	0.489	0.479	0.482	0.470	0.477
	N	783	814	816	804	1,621	1,665	1,676	1,654
Self-perceptions									
class	Heise	0.666	0.651	0.804	0.707	0.655	0.671	0.780	0.702
	$\hat{\rho}$	0.668	0.695	0.736	0.700	0.661	0.717	0.728	0.702
	N	1,257	1,271	1,286	1,271	1,998	2,021	2,040	2,020
incom16	Heise	0.629	0.618	0.601	0.616	0.594	0.612	0.577	0.594
	$\hat{\rho}$	0.621	0.636	0.609	0.622	0.607	0.631	0.605	0.615
	N	1,208	1,259	1,269	1,245	1,985	2,007	2,028	2,007
partyid	Heise	0.929	0.905	0.902	0.912	0.929	0.897	0.895	0.907
	$\hat{\rho}$	0.859	0.881	0.867	0.869	0.851	0.879	0.861	0.864
	N	1,260	1,277	1,286	1,274	1,996	2,019	2,035	2,017

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
partyid2	Heise	0.931	0.906	0.910	0.916	0.928	0.898	0.903	0.910
	$\hat{\rho}$	0.863	0.888	0.876	0.876	0.853	0.882	0.868	0.868
	N	1,205	1,212	1,206	1,208	1,983	2,010	2,023	2,005
polviews	Heise	0.676	0.695	0.699	0.690	0.662	0.667	0.681	0.670
	$\hat{\rho}$	0.665	0.676	0.715	0.685	0.648	0.662	0.696	0.669
	N	1,205	1,196	1,228	1,210	1,971	1,987	2,012	1,990
reborn	Heise	0.956	0.906	0.903	0.922	0.953	0.913	0.906	0.924
	$\hat{\rho}$	0.967	0.893	0.891	0.917	0.913	0.901	0.895	0.903
	N	1,243	1,246	1,270	1,253	1,992	2,015	2,028	2,012
reliten	Heise	0.866	0.836	0.884	0.862	0.842	0.836	0.863	0.847
	$\hat{\rho}$	0.776	0.800	0.781	0.786	0.767	0.794	0.771	0.777
	N	889	926	888	901	1,741	1,732	1,718	1,730
reliten2	Heise	0.952	0.917	0.969	0.946	0.926	0.905	0.917	0.916
	$\hat{\rho}$	0.898	0.888	0.870	0.885	0.831	0.879	0.836	0.849
	N	687	729	708	708	1,661	1,675	1,672	1,669
rellife	Heise	0.678	---	---	0.678	0.683	---	---	0.683
	$\hat{\rho}$	0.669	---	---	0.669	0.664	---	---	0.664
	N	1,222	---	---	1,222	1,991	---	---	1,991
relpersn	Heise	0.817	0.821	0.830	0.823	0.829	0.820	0.830	0.826
	$\hat{\rho}$	0.774	0.818	0.803	0.798	0.778	0.808	0.797	0.794
	N	1,249	1,263	1,285	1,266	1,994	2,016	2,036	2,015
richwork	Heise	0.684	0.699	0.798	0.727	0.711	0.747	0.819	0.759
	$\hat{\rho}$	0.654	0.637	0.717	0.669	0.648	0.643	0.708	0.666
	N	453	440	441	445	973	961	924	953
socbar	Heise	0.870	0.884	0.891	0.882	0.845	0.877	0.873	0.865
	$\hat{\rho}$	0.791	0.808	0.776	0.791	0.785	0.810	0.768	0.788
	N	838	846	900	861	1,743	1,328	1,429	1,500
socfrend	Heise	0.602	0.509	0.555	0.555	0.594	0.495	0.533	0.541
	$\hat{\rho}$	0.518	0.524	0.478	0.507	0.525	0.525	0.479	0.510
	N	838	845	900	861	1,745	1,327	1,428	1,500
socommun	Heise	0.595	0.637	0.556	0.596	0.555	0.630	0.563	0.583
	$\hat{\rho}$	0.473	0.519	0.509	0.501	0.459	0.521	0.520	0.500
	N	835	845	900	860	1,744	1,328	1,429	1,500
socrel	Heise	0.573	0.615	0.586	0.592	0.541	0.612	0.607	0.587
	$\hat{\rho}$	0.512	0.547	0.572	0.544	0.499	0.552	0.580	0.543
	N	839	845	900	861	1,745	1,328	1,428	1,500
sprtprsn	Heise	0.787	0.809	0.831	0.809	0.776	0.790	0.833	0.800
	$\hat{\rho}$	0.735	0.756	0.757	0.749	0.725	0.743	0.756	0.741
	N	1,236	1,259	1,270	1,255	1,990	2,013	2,032	2,012

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
Expectations									
discaff	Heise	0.525	0.337	0.366	0.409	0.502	0.349	0.372	0.408
	$\hat{\rho}$	0.385	0.370	0.437	0.397	0.373	0.385	0.438	0.399
	N	803	794	736	778	1,339	1,330	1,263	1,311
discaffm	Heise	0.427	0.325	0.356	0.369	0.397	0.364	0.333	0.365
	$\hat{\rho}$	0.415	0.276	0.333	0.342	0.392	0.280	0.326	0.333
	N	399	372	435	402	653	640	718	670
discaffw	Heise	0.401	0.446	0.462	0.436	0.352	0.439	0.433	0.408
	$\hat{\rho}$	0.330	0.427	0.471	0.409	0.325	0.435	0.460	0.407
	N	387	439	421	416	648	678	694	673
jobfind	Heise	0.610	0.607	0.925	0.714	0.593	0.645	0.854	0.697
	$\hat{\rho}$	0.530	0.561	0.611	0.568	0.546	0.564	0.613	0.574
	N	364	384	388	379	905	928	947	927
joblose	Heise	0.533	0.641	0.462	0.545	0.558	0.649	0.519	0.575
	$\hat{\rho}$	0.405	0.411	0.431	0.416	0.427	0.401	0.440	0.423
	N	369	384	384	379	898	929	945	924
uswary	Heise	0.864	0.682	0.786	0.777	0.734	0.693	0.788	0.738
	$\hat{\rho}$	0.698	0.659	0.695	0.684	0.616	0.659	0.683	0.653
	N	374	373	373	373	1,281	1,266	654	1,067
Performance									
worda	Heise	0.513	0.350	0.364	0.409	0.683	0.389	0.404	0.492
	$\hat{\rho}$	0.350	0.406	0.347	0.368	0.428	0.421	0.367	0.405
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordb	Heise	1.123	0.572	0.700	0.798	0.975	0.656	0.734	0.788
	$\hat{\rho}$	0.558	0.653	0.654	0.622	0.585	0.692	0.669	0.648
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordc	Heise	0.873	0.530	0.649	0.684	0.951	0.528	0.635	0.705
	$\hat{\rho}$	0.421	0.524	0.536	0.494	0.470	0.516	0.531	0.506
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordd	Heise	0.902	0.753	0.678	0.778	0.983	0.723	0.701	0.802
	$\hat{\rho}$	0.646	0.695	0.659	0.667	0.668	0.685	0.675	0.676
	N	411	751	902	688	1,786	1,292	1,430	1,503
worde	Heise	0.947	0.801	0.799	0.849	1.025	0.784	0.827	0.879
	$\hat{\rho}$	0.725	0.786	0.781	0.764	0.792	0.780	0.806	0.793
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordf	Heise	0.579	0.723	0.673	0.658	0.642	0.706	0.676	0.674
	$\hat{\rho}$	0.566	0.700	0.709	0.658	0.613	0.694	0.712	0.673
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordg	Heise	0.611	0.738	0.796	0.715	0.580	0.700	0.765	0.682
	$\hat{\rho}$	0.726	0.671	0.743	0.713	0.689	0.649	0.722	0.686

Variable Name	Years	Listwise sample				Total Sample			
		2006-08-10	2008-10-12	2010-12-14	Averages	2006-08-10	2008-10-12	2010-12-14	Averages
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordh	Heise	0.894	0.632	0.622	0.716	0.780	0.617	0.603	0.667
	$\hat{\rho}$	0.630	0.642	0.592	0.621	0.600	0.628	0.578	0.602
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordi	Heise	0.828	0.418	0.597	0.614	0.653	0.432	0.558	0.548
	$\hat{\rho}$	0.436	0.465	0.447	0.449	0.406	0.470	0.433	0.436
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordj	Heise	0.702	0.851	0.725	0.760	0.714	0.820	0.734	0.756
	$\hat{\rho}$	0.684	0.788	0.757	0.743	0.690	0.770	0.759	0.739
	N	411	751	902	688	1,786	1,292	1,430	1,503
wordsum	Heise	0.732	0.668	0.689	0.697	0.766	0.667	0.681	0.705
	$\hat{\rho}$	0.647	0.698	0.710	0.685	0.673	0.693	0.719	0.695
	N	384	722	875	660	1,763	1,284	1,411	1,486
wordsum2	Heise	0.686	0.601	0.689	0.659	0.711	0.602	0.648	0.654
	$\hat{\rho}$	0.564	0.641	0.672	0.625	0.597	0.642	0.686	0.641
	N	411	751	875	679	1,786	1,292	1,430	1,503

Note: Highlighted variables: coded as redundant.