

Data Set 6: IQ and Brain Size

The data are obtained from monozygotic (identical) twins. PAIR identifies the set of twins, SEX is the gender of the subject (1 = male, 2 = female), ORDER is the birth order, IQ is full-scale IQ, VOL is total brain volume (cm^3), AREA is total brain surface area (cm^2), CCSA is corpus callosum (fissure connecting left and right cerebral hemispheres) surface area (cm^2), CIRC is head circumference (cm), and WT is body weight (kg).

Data provided by M. J. Tramo, W. C. Loftus, T. A. Stukel, J. B. Weaver, M. S. Gazziniga. See "Brain Size, Head Size, and IQ in Monozygotic Twins," *Neurology*, Vol. 50.

STATDISK: Data set name is IQ and Brain Size.
 Minitab: Worksheet name is IQBRAIN.MTW.
 Excel: Workbook name is IQBRAIN.XLS.
 TI-83/84 Plus: App name is IQBRAIN and the individual column names are the same as for text files.
 Text file names: PAIR, SEX, ORDER, IQ, VOL, AREA, CCSA, CIRC, WT

PAIR	SEX	ORDER	IQ	VOL	AREA	CCSA	CIRC	WT
1	2	1	96	1005	1913.88	6.08	54.7	57.607
1	2	2	89	963	1684.89	5.73	54.2	58.968
2	2	1	87	1035	1902.36	6.22	53.0	64.184
2	2	2	87	1027	1860.24	5.80	52.9	58.514
3	2	1	101	1281	2264.25	7.99	57.8	63.958
3	2	2	103	1272	2216.40	8.42	56.9	61.690
4	2	1	103	1051	1866.99	7.44	56.6	133.358
4	2	2	96	1079	1850.64	6.84	55.3	107.503
5	2	1	127	1034	1743.04	6.48	53.1	62.143
5	2	2	126	1070	1709.30	6.43	54.8	83.009
6	1	2	101	1173	1689.60	7.99	57.2	61.236
6	1	1	96	1079	1806.31	8.76	57.2	61.236
7	1	2	93	1067	2136.37	6.32	57.2	83.916
7	1	1	88	1104	2018.92	6.32	57.2	79.380
8	1	2	94	1347	1966.81	7.60	55.8	97.524
8	1	1	85	1439	2154.67	7.62	57.2	99.792
9	1	1	97	1029	1767.56	6.03	57.2	81.648
9	1	2	114	1100	1827.92	6.59	56.5	88.452
10	1	2	113	1204	1773.83	7.52	59.2	79.380
10	1	1	124	1160	1971.63	7.67	58.5	72.576