

An analysis of variance test for normality

Table 6. Percentage points of the *W* test* for $n = 3(1)50$

<i>n</i>	Level								
	0-01	0-02	0-05	0-10	0-50	0-90	0-95	0-98	0-99
3	0-753	0-756	0-767	0-789	0-959	0-998	0-999	1-000	1-000
4	-687	-707	-748	-792	-935	-987	-992	-996	-997
5	-686	-715	-762	-806	-927	-979	-986	-991	-993
6	0-713	0-743	0-788	0-826	0-927	0-974	0-981	0-986	0-989
7	-730	-760	-803	-838	-928	-972	-979	-985	-988
8	-749	-778	-818	-851	-932	-972	-978	-984	-987
9	-764	-791	-829	-859	-935	-972	-978	-984	-986
10	-781	-806	-842	-869	-938	-972	-978	-983	-986
11	0-792	0-817	0-850	0-876	0-940	0-973	0-979	0-984	0-986
12	-805	-828	-859	-883	-943	-973	-979	-984	-986
13	-814	-837	-866	-889	-945	-974	-979	-984	-986
14	-825	-846	-874	-895	-947	-975	-980	-984	-986
15	-835	-855	-881	-901	-950	-975	-980	-984	-987
16	0-844	0-863	0-887	0-906	0-952	0-976	0-981	0-985	0-987
17	-851	-869	-892	-910	-954	-977	-981	-985	-987
18	-858	-874	-897	-914	-956	-978	-982	-986	-988
19	-863	-879	-901	-917	-957	-978	-982	-986	-988
20	-868	-884	-905	-920	-959	-979	-983	-986	-988
21	0-873	0-888	0-908	0-923	0-960	0-980	0-983	0-987	0-989
22	-878	-892	-911	-926	-961	-980	-984	-987	-989
23	-881	-895	-914	-928	-962	-981	-984	-987	-989
24	-884	-898	-916	-930	-963	-981	-984	-987	-989
25	-888	-901	-918	-931	-964	-981	-985	-988	-989
26	0-891	0-904	0-920	0-933	0-965	0-982	0-985	0-988	0-989
27	-894	-906	-923	-935	-965	-982	-985	-988	-990
28	-896	-908	-924	-936	-966	-982	-985	-988	-990
29	-898	-910	-926	-937	-966	-982	-985	-988	-990
30	-900	-912	-927	-939	-967	-983	-985	-988	-990
31	0-902	0-914	0-929	0-940	0-967	0-983	0-986	0-988	0-990
32	-904	-915	-930	-941	-968	-983	-986	-988	-990
33	-906	-917	-931	-942	-968	-983	-986	-989	-990
34	-908	-919	-933	-943	-969	-983	-986	-989	-990
35	-910	-920	-934	-944	-969	-984	-986	-989	-990
36	0-912	0-922	0-935	0-945	0-970	0-984	0-986	0-989	0-990
37	-914	-924	-936	-946	-970	-984	-987	-989	-990
38	-916	-925	-938	-947	-971	-984	-987	-989	-990
39	-917	-927	-939	-948	-971	-984	-987	-989	-991
40	-919	-928	-940	-949	-972	-985	-987	-989	-991
41	0-920	0-929	0-941	0-950	0-972	0-985	0-987	0-989	0-991
42	-922	-930	-942	-951	-972	-985	-987	-989	-991
43	-923	-932	-943	-951	-973	-985	-987	-990	-991
44	-924	-933	-944	-952	-973	-985	-987	-990	-991
45	-926	-934	-945	-953	-973	-985	-988	-990	-991
46	0-927	0-935	0-945	0-953	0-974	0-985	0-988	0-990	0-991
47	-928	-936	-946	-954	-974	-985	-988	-990	-991
48	-929	-937	-947	-954	-974	-985	-988	-990	-991
49	-929	-937	-947	-955	-974	-985	-988	-990	-991
50	-930	-938	-947	-955	-974	-985	-988	-990	-991

* Based on fitted Johnson (1949) S_B approximation, see Shapiro & Wilk (1965a) for details.