

12.7: Critical Values for the Wilcoxon Ranked Sum Test

The following table provides critical values at $\alpha = 0.05$ for the Wilcoxon ranked sum test where n_1 and n_2 are the number of samples in the two sets of data where $n_1 \leq n_2$. An entry of NA means the test cannot be applied. The null hypothesis of no difference between the samples can be rejected when the test statistic is less than or equal to the critical values for the number of samples.

12.7.1: Critical Values for Wilcoxon Ranked Sum Test with $\alpha = 0.05$

n_1	n_2	one-tailed test	two-tailed test
3	3	0	NA
3	4	0	NA
3	5	1	0
3	6	2	1
4	4	1	0
4	5	2	1
4	6	3	2
4	7	4	3
5	5	4	2
5	6	5	3
5	7	6	5
5	8	8	6
6	6	7	5
6	7	8	6
6	8	10	8
6	9	12	10
7	7	11	8
7	8	13	10
7	9	15	12
7	10	17	14

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