

TABLE A.5

Lower critical values of  $r$  in the runs test

$n_1 \backslash n_2$	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			

Source: Frieda S. Swed and C. Eisenhart, "Tables for Testing Randomness of Grouping in a Sequence of Alternatives," *Ann. Math. Statist.*, 14 (1943), 66-87.

Note: For the one-sample runs test, any value of  $r$  that is equal to or smaller than that shown in the body of this table for given value of  $n_1$  and  $n_2$  is significant at the 0.05 level.

TABLE A.6

Upper critical values of  $r$  in the runs test

$n_1 \backslash n_2$	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2																			
3																			
4																			
5																			
6																			
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20																			

Source: Frieda S. Swed and C. Eisenhart, "Tables for Testing Randomness of Grouping in a Sequence of Alternatives," *Ann. Math. Statist.*, 14 (1943), 66-87.

Note: For the one-sample runs test, any value of  $r$  that is equal to or larger than that shown in the body of this table for given values of  $n_1$  and  $n_2$  is significant at the 0.05 level.