

PROCEDURE INDEX, STATISTICS

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Use this table as a Procedure Index, to help you decide which procedure to use for a problem. It begins with the assumptions that need to be met by the conditions of the problem, and then provides the page number in your textbook for the procedure.

Comparing Samples: Which Procedure?

		<i>problem</i>	1	2	3	4	5	6	7	8
1	Simple Random Sample									
2	Independent Samples									
3	Normal Distribution									
4	Large Sample Size									
5	Equal σ 's									
6	Same Shape									
7	σ Not Known									
<i>1-SAMPLE PROCEDURES</i>		<i>page</i>	<i>alt</i>							
	ONE SAMPLE -Z TEST 1, 3or4	410	388							
	ONE SAMPLE -T TEST 1,3or4,7	424	402							
<i>2-SAMPLE PROCEDURES</i>										
	POOLED-T 1, 2, 3 or 4, 5, 7	470	448							
	NONPOOLED-T 1, 2, 3 or 4, 7	481	459							
	PAIRED-T 1, 3 or 4, 7	510	488							
	MANN-WHITNEY 1, 2, 6	497	475							
<i>3 OR MORE SAMPLES</i>										
	ANOVA 1, 2, 3 or 4, 5, 7	732	710							
<i>DISTRIBUTIONS</i>										
	CHI-SQUARED GOF 1,~4,checkE's	603	581							
<i>2 DIFFERENT VARIABLES</i>										
	CORRELATION-T 1, 2, 3 or 4, 5,7	711	689							
	REGRESSION EQUATION, R, R ²	Ch.14								

Instructions: Check off the criteria needed for the problems. Then use the procedures in your textbook on the pages noted.

References to 2 different pages are different versions of the Textbook. The first is 22 pages further in the text than the second.