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Inferential Statistics Executive Summary

Executive Summary of Inferential Statistics					
Being Tested	Sampling Distribution is Known		Sampling Distribution is Unknown		
	Parametric Tests of the Mean and Proportion Using Interval and Ratio Data use with <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%; border: none;"> <u>Normal Population</u> Large Sample σ is known or unknown </td> <td style="text-align: center; width: 50%; border: none;"> <u>Skewed Population</u> Small Sample σ is unknown¹ </td> </tr> </table>		<u>Normal Population</u> Large Sample σ is known or unknown	<u>Skewed Population</u> Small Sample σ is unknown ¹	Nonparametric Tests of the Median Using Ordinal Data use with <u>Skewed Populations</u> Small Sample
<u>Normal Population</u> Large Sample σ is known or unknown	<u>Skewed Population</u> Small Sample σ is unknown ¹				
One Sample	z	t	z		
Two Independent Samples	z	t	z		
Two Dependent Samples (paired difference test)	z	t	z		
3 or More Independent Samples (ANOVA)	F	F	Not Applicable		
1. If σ is known, z may be used in place of t.			Nonparametric Tests of Nominal Data Using χ^2		
One Categorical Variable			Goodness of Fit Test		
Two Categorical Variables (Statistical Dependency)			Contingency Tables		