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|--|--|---|---|---|---|---|---|--|---|---|--|--|--|
| <b>1-sample prop</b><br><ul style="list-style-type: none"> <li>• z df=n</li> <li>• rand smp</li> <li>• all ECs &gt; 5</li> </ul> | <b>ind-smp prop</b><br><ul style="list-style-type: none"> <li>• z df=n</li> <li>• ind groups</li> <li>• rand smps</li> <li>• all ECs &gt; 5</li> </ul> | <b>homogeneity of groups</b><br><ul style="list-style-type: none"> <li>• <math>\chi^2</math> df=(c-1)(k-1), n</li> <li>• ind groups</li> <li>• rand smps</li> <li>• all ECs &gt; 5</li> </ul> | <b>goodness of fit</b><br><ul style="list-style-type: none"> <li>• <math>\chi^2</math> df=c-1, n</li> <li>• rand smp</li> <li>• all ECs &gt; 5</li> </ul> | <b>normality</b><br><ul style="list-style-type: none"> <li>• SW: W df=n</li> <li>• KS: D df=n</li> <li>• rand smp</li> <li>• n &gt; 20</li> </ul> | <b>homo-scedasticity</b><br><ul style="list-style-type: none"> <li>• F df=1, n-2</li> <li>• ind groups</li> <li>• normal grps</li> <li>• rand smps</li> </ul> | <b>1-sample mean</b><br><ul style="list-style-type: none"> <li>• t df=n-1</li> <li>• rand smp</li> <li>• normal pop (or n &gt; 30)</li> </ul> | <b>ind-smp means unequal <math>\sigma_i</math>s</b><br><ul style="list-style-type: none"> <li>• t df=___</li> <li>• ind groups</li> <li>• rand smps</li> <li>• normal grps (or <math>n_i &gt; 30</math>)</li> </ul> | <b>ind-smp means equal <math>\sigma_i</math>s</b><br><ul style="list-style-type: none"> <li>• t df=n-2</li> <li>• ind groups</li> <li>• rand smps</li> <li>• normal grps</li> <li>• homoscedastic</li> </ul> | <b>paired-smp mean</b><br><ul style="list-style-type: none"> <li>• t df=<math>n_i-1</math></li> <li>• rand smp</li> <li>• 1-1 pairing btwn grps</li> <li>• normal grps (or <math>n_i &gt; 30</math>)</li> </ul> | <b>one-way ANOVA</b><br><ul style="list-style-type: none"> <li>• F df=k-1, n-k</li> <li>• ind groups</li> <li>• rand smps</li> <li>• homoscedastic</li> <li>• normal grps (or <math>n_i &gt; 30</math>)</li> <li>• similar <math>n_i</math>s</li> </ul> | <b>two-way ANOVA</b><br><ul style="list-style-type: none"> <li>• F df=___</li> <li>• One-way ANOVA assumps for each factor</li> <li>• balanced design with ECs &gt; 5</li> </ul> | <b>correlation</b><br><ul style="list-style-type: none"> <li>• r df=n-2</li> <li>• rand smp</li> <li>• ind obs</li> <li>• bivariate linearity</li> <li>• no outliers</li> <li>• bivariate normality</li> </ul> | <b>regression</b><br><ul style="list-style-type: none"> <li>• F df=v-1, n-v</li> <li>• rand smp</li> <li>• ind obs</li> <li>• ind ind vars</li> <li>• bivariate linearity</li> <li>• normal res</li> <li>• homosc res</li> </ul> |
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|---------------|--------------------------------|---|---|--|---------------|--------------------------------|-------------------------------------|---------------------------------------|----------------------------------|--|---|---------------------------------------|
| CI for 1 prop | CI for difference btwn 2 props | APA format for CIs<br>95% CI [32.1, 33.4] | 1-smp variance<br>• $\chi^2$ df=n-1<br>• normality<br><b>Not in this course</b> | multiple-group homoscedasticity<br>• F df=k-1, n-k<br>• normality<br><b>Not in this course</b> | CI for 1 mean | CI for difference btwn 2 means | CI for mean difference between grps | post-hoc<br>• Tukey HSD<br>• q df=n-k | CI for pairwise diffs btwn means | post-hoc<br>• cross-effect<br>• sig of factors | consider<br>• adj R <sup>2</sup><br>• sig of coeffs<br>• t df=n-v | CIs for coeffs<br>CIs for predictions |
|---------------|--------------------------------|---|---|--|---------------|--------------------------------|-------------------------------------|---------------------------------------|----------------------------------|--|---|---------------------------------------|

APA format for HTs

$z(52) = 2.8, p = .049$    
 $\chi^2(3, 52) = 2.8, p = .049$    
 SW W(52) = 0.08,  $p < .001$  or KS D(52) = 2.8,  $p = .049$    
 $F(1, 50) = 2.8, p = .049$    
 $t(50) = 2.8, p = .049$    
 HSD q(48) = 2.8,  $p = .049$    
 $r(50) = 0.8, p < .001$