

Determine Interaction RH:

**If Interaction nonsig**

Check p-value of Interaction F-test

**If Interaction sig**

Compute LSDmmd

Using LSDmmd, examine SEs that provide direct test of interaction RH:

Report sig interaction: F, df, MSe, p & r

Describe interaction pattern

Tell if Interaction RH: fully, partially or not supported

(Complete the following for each ME)

Determine ME RH:

**If ME nonsig**

Check p-value of ME

**If ME sig**

Determine ME pattern using marginal means

With nonsig interaction nonsig ME **must** be descriptive

Report nonsig ME: F, df, MSe, p & r

Tell if ME RH: fully or not supported (partial support not possible)

With nonsig interaction ME pattern **must** be descriptive

Report sig ME: F, df, MSe, p & r

Describe ME pattern

Tell if ME RH: fully or not supported (partial support not possible)

(Complete the following for each ME)

Determine ME RH:

**If ME nonsig**

Check p-value of ME

**If ME sig**

Determine ME pattern using marginal means

Using LSDmmd, examine SEs that correspond with ME

With sig interaction, at least one corresponding SE is signif so nonsig ME **must** be misleading

Report sig ME: F, df, MSe, p & r

Tell if ME RH: partially or not supported (full support not possible)

Using LSDmmd, examine SEs that correspond with ME

With sig interaction, ME pattern **can** be descriptive, or misleading

Report sig ME: F, df, MSe, p & r

Describe ME pattern

Tell if ME RH: fully, partially or not supported