**Chapter 12**

**MANOVA**

Using the Iris\_data.csv dataset, instead of treating sepal length as a covariant (as in the ANCOVA exercise), analyze it as a separate dependent variable. Thus, use MANOVA to evaluate if petal width and sepal length differ significantly per species.

Check the assumptions before reporting the results but for simplicity, report the results 'as is' even though some assumptions may be violated. No data transformation will be conducted.

What do the assumption tests show?

What does the MANOVA show?