**Wine Quality**:

The Wine Quality dataset contains information on red and white wine samples. This dataset aims to classify the quality of the wine based on chemical properties like pH, density, alcohol content and citric acid content.

**The common variables included in this Excel dataset:**

* Fixed Acidity - The number of fixed acids in the wine, expressed in g/dm^3.
* Volatile Acidity - The number of volatile acids in the wine, expressed in g/dm^3.
* Citric Acid - The amount of citric acid in the wine, expressed in g/dm^3.
* Residual Sugar - The amount of residual sugar in the wine, expressed in g/dm^3
* Chlorides - The amount of chloride in the wine, expressed in g/dm^3.
* Free Sulfur Dioxide - The amount of free sulfur dioxide in the wine, expressed in mg/dm^3.
* Total Sulfur Dioxide - The amount of total sulfur dioxide in the wine, expressed in mg/dm^3.
* Density - The density of the wine, expressed in g/cm^3.
* pH - The pH level of the wine.
* Sulphates - The number of sulphates in the wine, expressed in g/dm^3.
* Alcohol - The alcohol content of the wine, expressed in % vol.
* Quality - The quality rating of the wine, on a scale of 0 to 10.

Analysis Questions:

* What is the correlation between pH and alcohol content?
* Which type of wine (red or white) has a higher median quality rating?
* What is the median volatile acidity for each type of wine?
* What is the proportion of each wine type in the dataset?
* What is the distribution of citric acid for each wine type?