Workshop 8 - Pandas and Regular Expressions

The lecture this week introduced Pandas and Regular Expressions. In this workshop, we will use both to analyse a csv file of Wine reviews

Pre: Install Pandas into your existing python environment

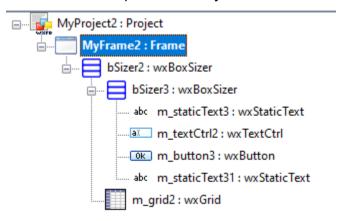
- 1. Check and install Pandas
 - > conda env list
 - > conda activate Your-Environment
 - > conda list pandas

if no Pandas, then install it.

- > conda install pandas
- 2. Use your existing PyCharm project or create a new one, and link it to your python environment.
 - Download and unzip the weekshop8.zip
 - Copy the extracted files into the new project.

Workshop Task – Using Pandas, load part_wine_reviews.csv into a DataFrame; and complete the following analysis task using Pandas and RE.

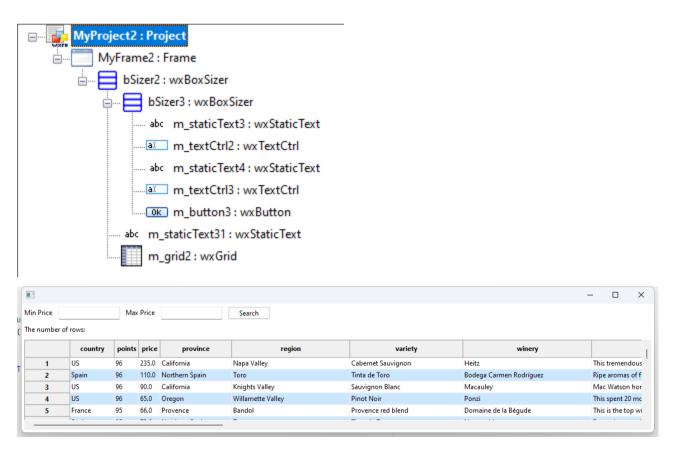
- Show **all wines (rows)** which are more likely to be "tropical" or "fruity, along with the total number of such rows.
 - Tips: Go through all the descriptions and find reviews that use the term 'tropical' or 'fruity'.





Assignment:

 You are required to develop a simple GUI that allows users to input a minimum and maximum price. The GUI should then display all wines (rows) with a price within this range, along with the total number of such rows.



- Files required for the submission:
 - template_frame.py: contains the code for GUI
 - template_frame.txt: contains the same code as template_frame.py for Plagiarism Review.
 - 3. run_app.py: contains the code to run the template

- 4. **run_app.txt:** contains the same code as run_template.py for Plagiarism Review.
- 5. **Workshop8.fbp**: exported by wxFormBuilder
- 6. **execution_results.docx**: contains screenshots of the execution results.