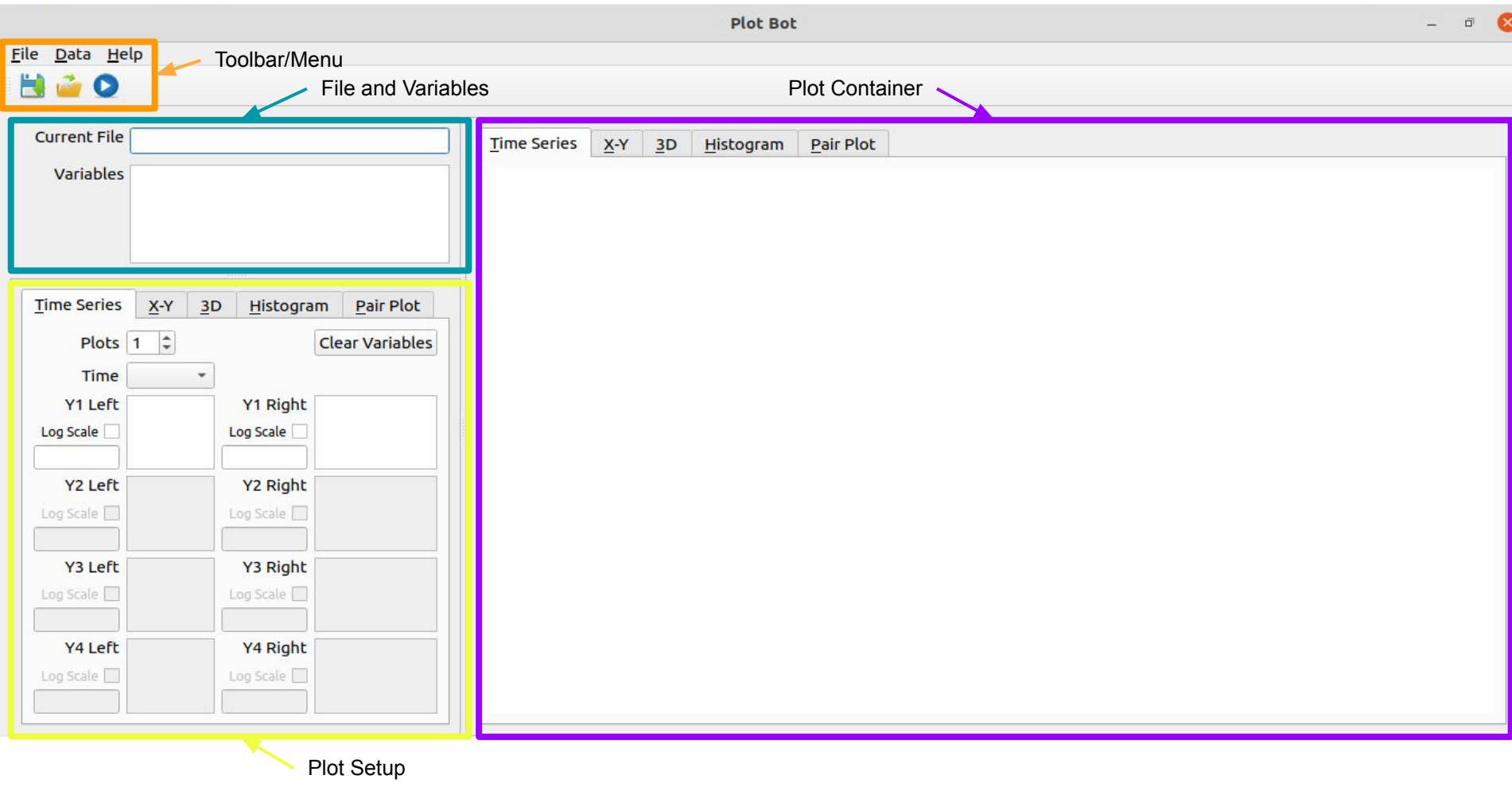


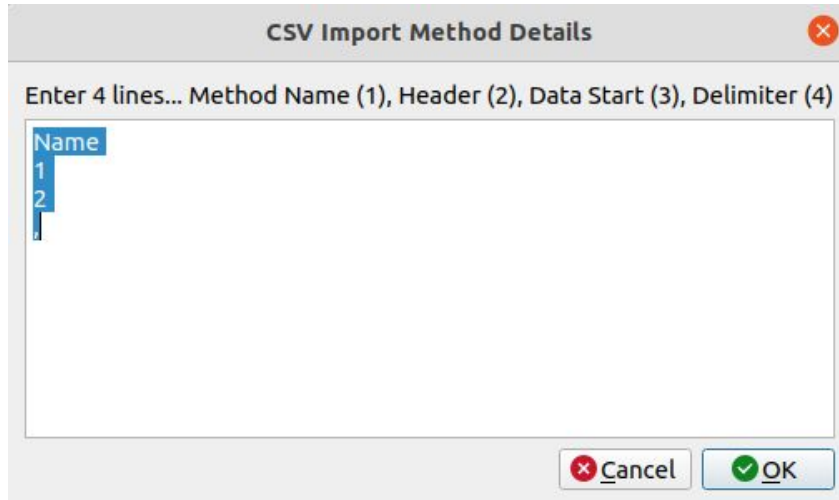
# Plot Bot Application Layout

Version 1.0



# Plot Bot Data Import

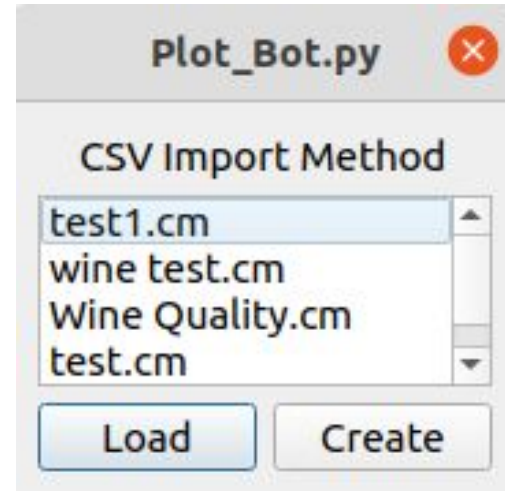
- When loading in a .csv file, the application will ask you to use or create a import method
- These methods only need the following info
  - Header row
  - Data start row
  - Delimiter
- Enter in this information in the window below when you create a new import method



The screenshot shows a dialog box titled "CSV Import Method Details" with a close button (red X) in the top right corner. Below the title bar, there is a prompt: "Enter 4 lines... Method Name (1), Header (2), Data Start (3), Delimiter (4)". A text input area contains the following text:

	Name
1	
2	

At the bottom of the dialog box, there are two buttons: "Cancel" (with a red X icon) and "OK" (with a green checkmark icon).



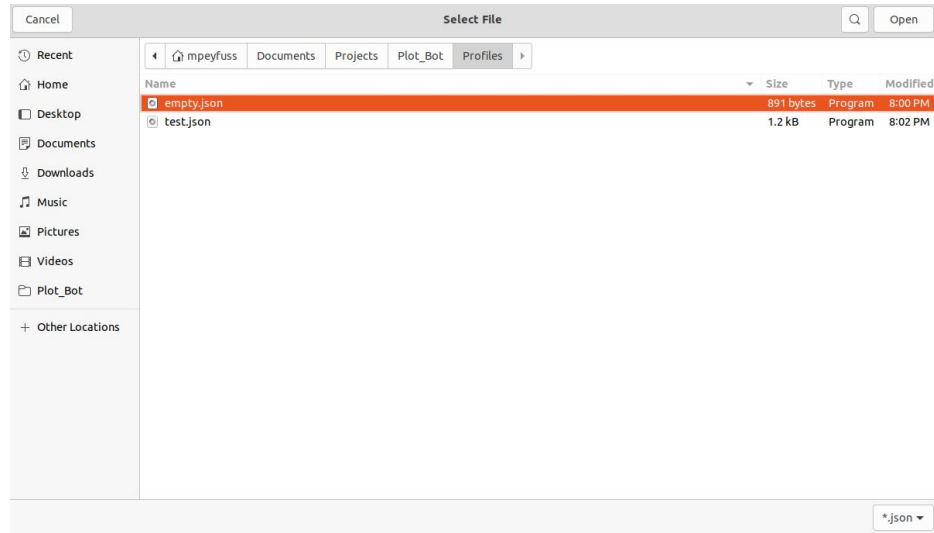
The screenshot shows a dialog box titled "Plot\_Bot.py" with a close button (red X) in the top right corner. Below the title bar, there is a section titled "CSV Import Method". A list box contains the following items:

- test1.cm
- wine test.cm
- Wine Quality.cm
- test.cm

Below the list box, there are two buttons: "Load" and "Create".

# Plot Bot Profiles

- When performing repetitive tasks, it can be useful to store all the plotting information for future use
- This is accomplished with profiles in Plot Bot
- When saving a profile, you just need to supply the name
- When loading, just select the profile you want
- Once imported, you will just need to run each plot that you want



# Plot Bot Timeseries Setup

- 1-4 subplots can be chosen
- Two y axes can be created per subplot
- Custom title can be set for each Y axis
- Log or linear scales can be chosen
- Drag variables from the “Variable” container to each Y axis list container

The interface is titled "Plot Bot Timeseries Setup". It features a "Current File" text input field at the top. Below it is a "Variables" container, which is currently empty. The main section is divided into two tabs: "Time Series" (selected) and "X-Y", "3D", "Histogram", and "Pair Plot". Under the "Time Series" tab, there is a "Plots" dropdown menu set to "1" and a "Clear Variables" button. Below this is a "Time" dropdown menu. The main area contains a grid of 8 subplot configurations, arranged in 4 rows and 2 columns. Each row represents a subplot (Y1, Y2, Y3, Y4) and each column represents a y-axis (Left and Right). Each subplot configuration includes a title (e.g., "Y1 Left"), a "Log Scale" checkbox, and a text input field for a custom title. The "Log Scale" checkboxes are currently unchecked. The input fields are empty.

Subplot	Y-Axis	Title	Log Scale
Y1	Left		<input type="checkbox"/>
Y1	Right		<input type="checkbox"/>
Y2	Left		<input type="checkbox"/>
Y2	Right		<input type="checkbox"/>
Y3	Left		<input type="checkbox"/>
Y3	Right		<input type="checkbox"/>
Y4	Left		<input type="checkbox"/>
Y4	Right		<input type="checkbox"/>

# Plot Bot X-Y Setup

- Can choose either a Scatter or Line style plot
- Custom title can be set for each axis
- Log or linear scales can be chosen
- Can color the graph based on another variable
- A trendline can be added, with either Ordinary Least Squares or LOWESS methods

The image shows a software window titled "Plot Bot X-Y Setup". At the top, there are five tabs: "Time Series", "X-Y", "3D", "Histogram", and "Pair Plot". The "X-Y" tab is currently selected. Below the tabs, the interface contains several configuration options:

- Line Style:** A dropdown menu set to "Scatter".
- X Variable:** An empty dropdown menu.
- X Axis Title:** An empty text input field.
- Log Scale X:** An unchecked checkbox.
- Y Variable:** An empty dropdown menu.
- Y Axis Title:** An empty text input field.
- Log Scale Y:** An unchecked checkbox.
- Color Variable:** A dropdown menu set to "None".
- Trendline:** A dropdown menu set to "None".

# Plot Bot 3D Setup

- Custom title can be set for each axis
- Can color the graph based on another variable

Time Series

X-Y

**3D**

Histogram

Pair Plot

X Variable

X Axis Title

Y Variable

Y Axis Title

Z Variable

Z Axis Title

Color Variable

None

# Plot Bot Histogram Setup

- Custom title can be set for the X axis
- Can customize the number of bins. A value of 0 lets plotly automatically choose the best mount
- Can normalize to percent, density, or density probability
- Can color based on another variable
- Bin functions can be applied with a Y variable to get more information out of your data

Time Series

X-Y

3D

**Histogram**

Pair Plot

X Variable

X Axis Title

Number of Bins

0

Normalization

None

Color Variable

None

Bin Function

Count

Y Variable

None

# Plot Bot Pair Plot Setup

- Drag variables from the Variable container
- Can color based on another variable

The interface is a software window for setting up a pair plot. It features a top section with a 'Current File' text box and a 'Variables' list box. Below this is a main panel with five tabs: 'Time Series', 'X-Y', '3D', 'Histogram', and 'Pair Plot'. The 'Pair Plot' tab is selected. Inside this tab, there is a 'Variables' list box on the left and a 'Color Variable' dropdown menu on the right, currently set to 'None'. A 'Clear' button is located at the bottom right of the main panel.

Current File

Variables

Time Series X-Y 3D Histogram Pair Plot

Variables

Color Variable

None

Clear



# Interactive Plotting

- Plotly allows you to
  - Zoom in
  - Show data labels
  - Turn off variables (click on variable in legend)
  - And more!

