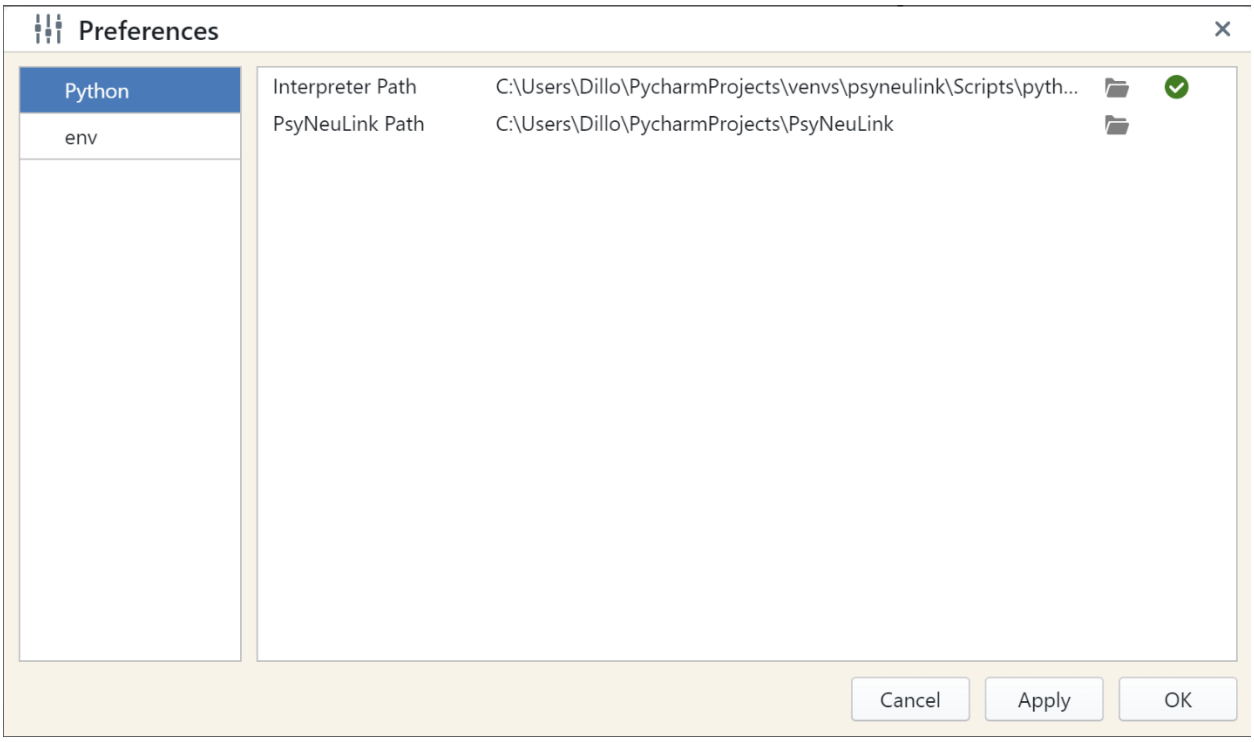
PsyNeuLinkView User's Guide

Initial Setup

- If this is your first time running PsyNeuLinkView, it will prompt you with a settings panel
- In the Interpreter Path, enter the full path to the Python executable with all PsyNeuLink dependencies installed
- If you have a specific version of PsyNeuLink that you would like to use for PNLV, use the PsyNeuLink path field to specify. If PsyNeuLink is installed for the interpreter you chose, then the PsyNeuLink Path field is optional – if selected, it will use the chosen PNL instead of the one installed for the interpreter
- To open the settings panel manually, use either the keyboard shortcut Ctrl/Cmd + , or edit -> preferences from the menu bar

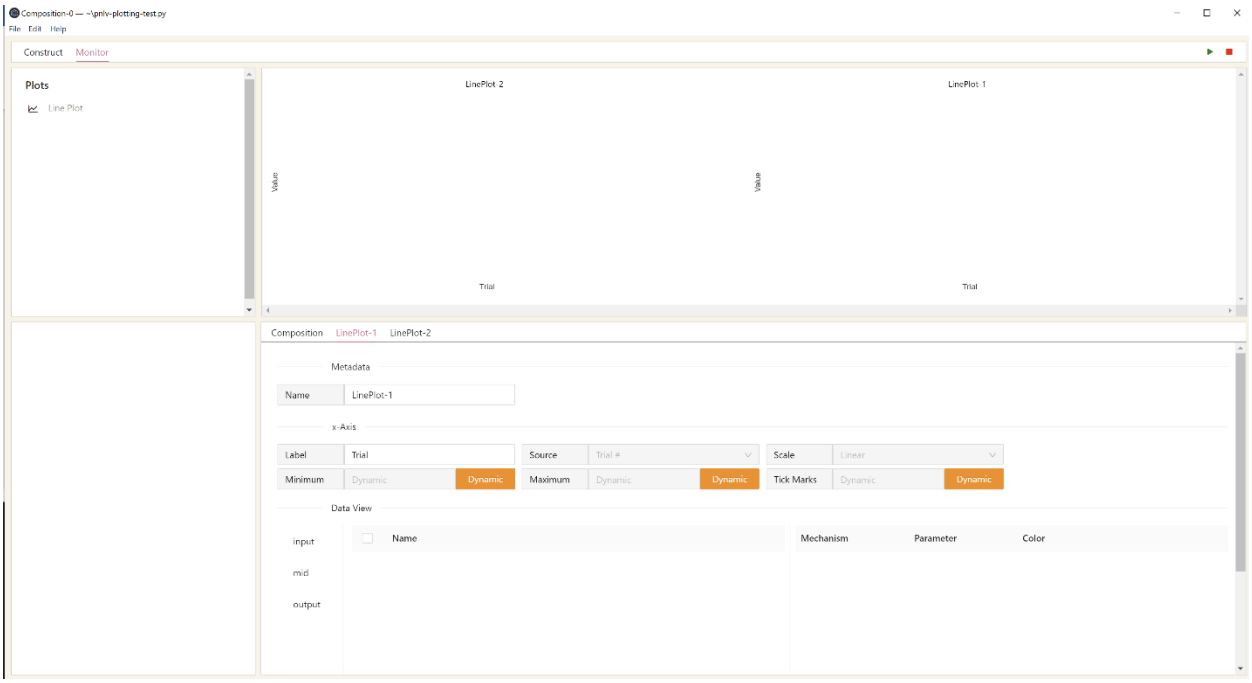


Loading a Composition

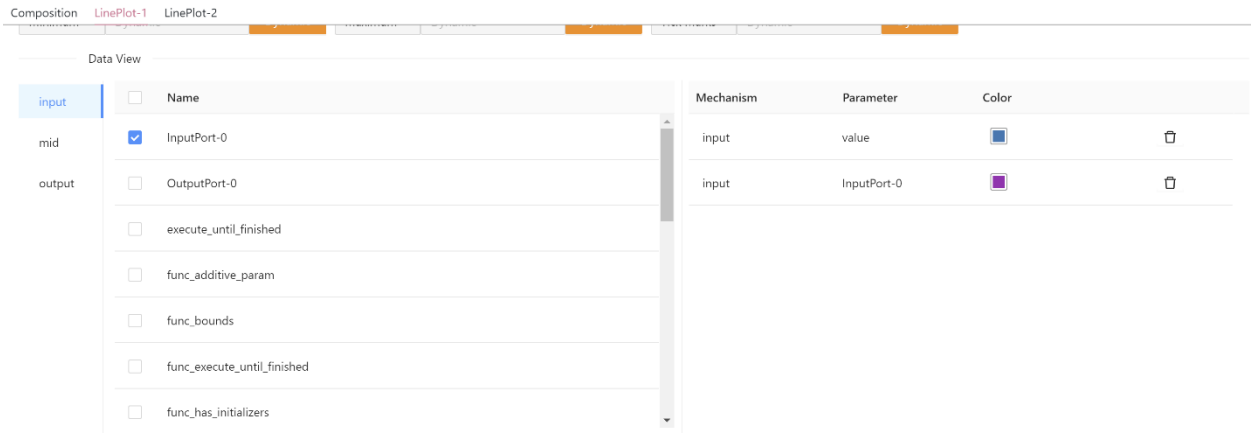
- Use the keyboard shortcut Ctrl/Cmd + O or File -> Open on the menu bar
- Select a script that instantiates a PsyNeuLink model you'd like to load
    - For best results, the script should contain one and only one PNL model in the local namespace after executing.
    - ToDo: Add support for selecting a Composition in cases where multiple Compositions exist in the local namespace

Configuring a Plot

- Load a Composition and switch to the monitor tab
- Drag and drop the desired number of plots from the left side bar into the main panel
- When you drop a plot into the main panel, a tab will appear in the configuration panel at the bottom of the screen.
- Switch over to the desired plot and configure the following options:
    - Name – the label that appears at the top of the plot
    - X-Axis options
        - Label: x-Axis label
        - Minimum: dynamic/fixed allows you to set a fixed minimum x-axis value or allow the plotting library to determine the minimum value
        - Maximum: dynamic/fixed allows you to set a fixed maximum x-axis value or allow the plotting library to determine the maximum value
        - Tick marks: dynamic/fixed allows you to set a fixed number of tick marks or allow the plotting library to determine the number of ticks



- Under data view you will see the names of each of your Composition's components
- Select each component that you would like to plot, and select a color for that component's plot line



- Once you have your plots configured, switch over the Composition tab and select a json file for input that is formatted like a standard PNL input dictionary.

```
{"input": [[10], [1], [2], [3], [4], [5], [10], [7]]}
```

- Press the green "play" button on the controlstrip at the top of the window and your composition will be executed using the given inputs. you will see your plot populate in real time as data is sent from the PNL backend to PNLV.