

## Prerequisites

- `matplotlib`
- Figure
- Axes
- Scatter plot
- Histogram
- `pandas`
- `numpy`
- Data labels and features
- Logscale

## Example Usage

```
./display_data.py all -data-file ../synthetic-data/cgl-demo-1.csv
```

## Parameters

```
usage: ./display_data.py [-h] [--data-file DATA_FILE] [--features FEATURES [FEATURES ...]]
                        [--label LABEL]
                        [{label-vs-features,feature-histograms,all}]
```

Create Data Plots

positional arguments:

```
{label-vs-features,feature-histograms,all}
    desired action
```

optional arguments:

```
-h, --help            show this help message and exit
--data-file DATA_FILE, -d DATA_FILE
                        csv file of data to display
--features FEATURES [FEATURES ...], -f FEATURES [FEATURES ...]
                        column names for features
--label LABEL, -l LABEL
                        column name for label
```