Module `CPB_Library`

Functions

`def **frequency_table**(raw_data)`

▶ EXPAND SOURCE CODE

Computes the frequency table for a given dataset.

Args

`raw_data` : `list[int | float]`
    A pandas Series containing categorical or numerical data.

Returns

`pd.Series`
    A frequency table where index values represent unique elements, and corresponding values represent their frequencies.

`def **plot_histogram**(raw_data, title, xlabel, ylabel)`

▶ EXPAND SOURCE CODE

Plots a histogram for the given raw data.

Args

`raw_data` : `list[int | float]`
    A list of numerical values to generate the histogram.

`title` : `str`
    The title of the histogram plot.

`xlabel` : `str`
    The label for the x-axis.

`ylabel` : `str`
    The label for the y-axis.

Returns

`None`
    The function displays the histogram but does not return any value.

`def **upload_and_parse_excel**()`

Upload an excel file from local computer and parse a column of data.

This function will always parse the **"datasheet"** sheet, and the **"data"** column from the excel. Thus, make sure to provide the matching excel file.

Returns

`list[int | float]`
　　a list of all numbers from **"data"** column.

Raises

`Error`
　　Provided sheet or column's name doesn not match.

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- `plot_histogram`
- `upload_and_parse_excel`