

MBSS_PieChart.py

Aim

MBSS_PieChart.py is a python3 script that is designed to represent the final probability distribution of each state present in the probtraj_table.csv file generated by MBSS_FormatTable.pl. The output is a pie chart.

How to run the script

The user should be in the same directory in which he or she ran MBSS_FormatTable.pl. MBSS_PieChart.py can be run using the following command line:

```
MBSS_PieChart.py folder_name
```

A help command line is also available:

```
MBSS_PieChart.py help
```

The following libraries need to be installed:

```
pandas  
matplotlib.pyplot  
sys  
matplotlib  
xlsxwriter  
numpy  
seaborn  
matplotlib.patches  
matplotlib.gridspec
```

Outputs

The figure will be saved as folder_name_chart.pdf. Only the states present with a final probability higher than 0.1 will have their name on the chart. All the state names are displayed as legend with the associated color. Data describing the final state represented by the chart is also saved as folder_name_traj.xlsx.