The folder is structured as following:

+ Folder “**Codes**” contains the source codes for reproducing all the experiments presented in the manuscript.

In particular, please execute the following commands for the corresponding task

* Binary Choice Task

Using SpeedyIBL: *python3 binarychoice.py --method libl*

Using PyIBL: *python3 binarychoice.py --method ibl*

* Insider Attack Game:

Using SpeedyIBL: *python3 insider\_attack\_speedyIBL.py*

Using PyIBL: *python3 insider.py*

* Minimap:

Using SpeedyIBL: *python3 minimap.py --type libl*

Using PyIBL: *python3 minimap.py --type ibl*

* MisPacman:

Using SpeedyIBL: *python3 mispacman.py --type libl*

Using PyIBL: *python3 mispacman.py --type ibl*

* Navigation:

Using SpeedyIBL: *python3 navigation.py --type libl*

Using PyIBL: *python3 navigation.py --type ibl*

* Firemen Task:

Using SpeedyIBL: *python3 fireman.py --type libl*

Using PyIBL: *python3 fireman.py --type ibl*

Additionally, we provided the Jupyter notebook file “speedyIBL.ipynb” for running the aforementioned tasks using SpeedyIBL. The Jupyter notebook file can also be run in Google Colab environment at the link:

+ Folder “**Data**” contains all the experiment data of all the tasks, which was used for the data analysis presented in the manuscript.

+ Folder “**images**” contains all the figures used in the manuscript.