Simulation Guide

`Plot_package` contains a `1_Master_code` script that runs all the separate scripts for generating:

- **Figure 7:** Script `Fig_7.jl`
- **Figure 8:** Script `Fig_8.jl`
- **Table B2 (a):** Script `B2_(a).jl`
- **Table B2 (b):** Script `B2_(b).jl`

Julia Version and Platform Information

Julia Version: 1.11.1 or higher
Commit: 8f5b7ca12a (2024-10-16 10:53 UTC)
Build Info: Official https://julialang.org/JuliaLang release

Platform Information

- **Operating System:** Windows (x86_64-w64-mingw32)
- **CPU:** 8 × Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz
- **Word Size:** 64-bit
- **LLVM Version:** libLLVM-16.0.6 (ORCJIT, skylake)

Guide on running the master code

1. Download **VS Code** and add the **Julia extension**.
2. After downloading and unzipping the package, open `1_Master_code.jl` in **VS Code**.
3. Edit line 4 of the master code to set the `base_dir` variable to the path of the unzipped package.
4. Run the master code:
    - In the **Julia REPL**, type `include(_Master_code.jl)`.
    - Or directly in **VS Code**, use the `Run` command or `Shift + Enter`.
5. Output plots will be saved in both .pdf and .png format in the output folder

The `1_Master_code` ensures seamless execution of all these scripts to reproduce the key analytical figures in the paper. You can also run the codes separately, provided that you add all the packages used in the Julia environment as specified in the master code.