

HIV Model

Cancer Model

Detailed implementation of each method to reproduce model simulation, sensitivity measures and analysis

MeFAST



MeFAST_Cancer_main.m or
MeFAST_HIV_main.m

DGSM



DGSM_Cancer_main.m or
DGSM_HIV_main.m

SobolMethod



Sobol_Cancer_main.m or
Sobol_HIV_main.m

Generate figures appeared in the manuscript, which based on pre-generated data

Figures



Combine_methods_fig: combine all rankings of all three methods

MeFAST figures



MeFAST analysis only run the following:

- MeFAST_Cancer_figs.m
- Or
- MeFAST_HIV_fig.m

Sobol figures



Sobol's method ranking only run the following:

- Sobol_Cancer_figs.m
- Or
- Sobol_HIV_fig.m

DGSM figures



DGSM's ranking only, run the following:

- Figure_DGSM_HIV.m
- Or
- Figure_DGSM_HIV.m