

<simulations>

run_sim_monte.m : run monte carlo simulations

run_sim_one_day.m : run simulation of one day operation

tutorial_single_event.m : run simulation of one control event

get_rand_os_duration.m : randomly sample an overstay duration

init_sim : initialize sim structure that stores one day
operation simulation result

<optimizations>

run_opt : solve optimization with block coordinate descent
(BCD) algorithm for a current EV

argmin_z : update z_k in BCD algorithm

argmin_x : update x_k in BCD algorithm

argmin_v : update v_k in BCD algorithm

init_prb : initialize prb structure that stores event specific
parameteres

init_par : initialize par structure that stores constant
(hyper) parameters

<visualizations>

vis_sim_monte.m : visualize a result of monte carlo simulations results.

Run this file to open a file brower and select a .mat
file in /monte-sim-results

vis_sim_one_day.m : visualize a simulation result of one day operation

vis_sim_one_event.m : visualize a simulation result of one control event