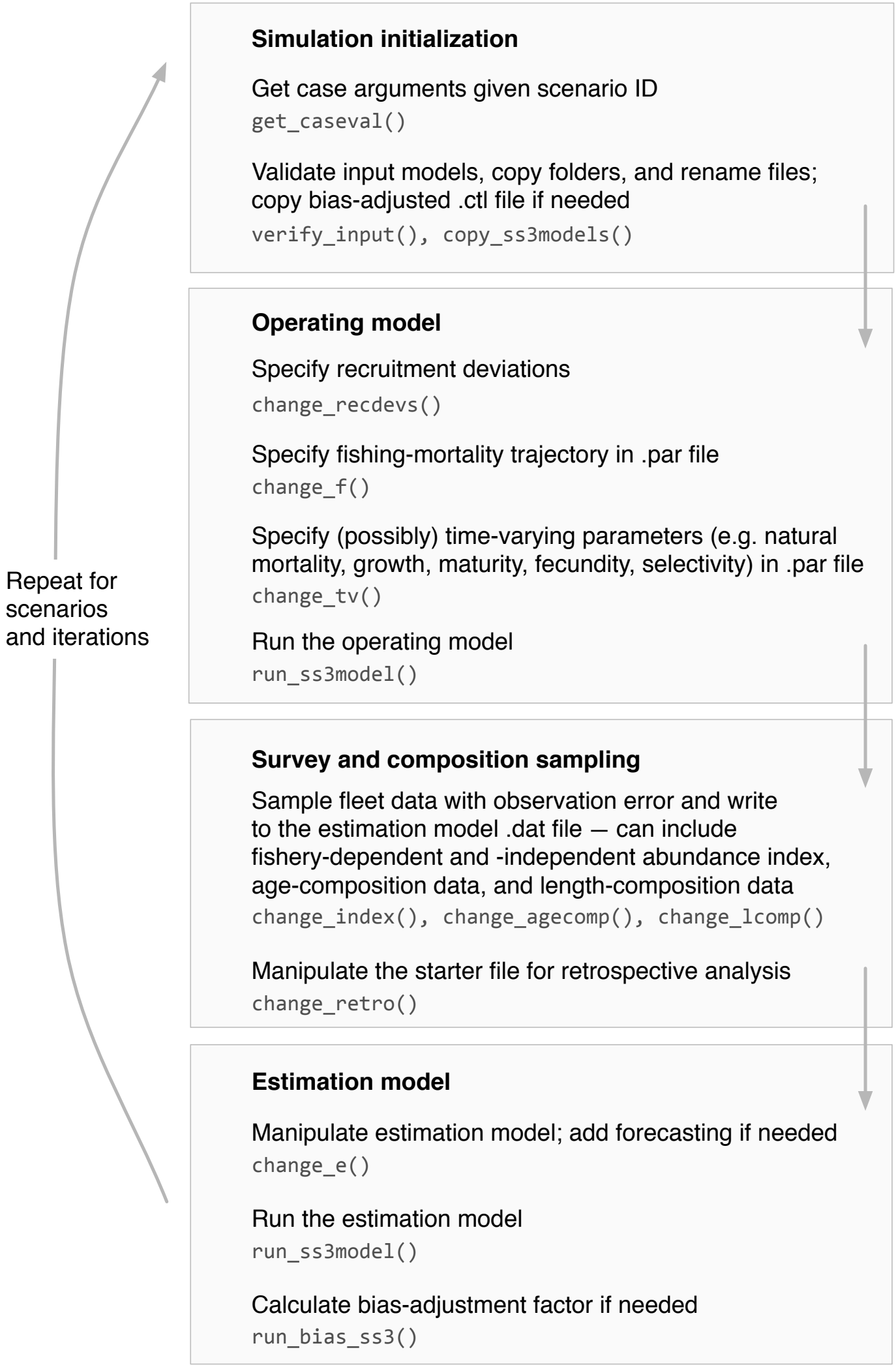
Simulation initialization
Get case arguments given scenario ID
get_caseval()
Validate input models, copy folders, and rename files; copy bias-adjusted .ctl file if needed
verify_input(), copy_ss3models()
Operating model
Specify recruitment deviations
change_recdevs()
Specify fishing-mortality trajectory in .par file
change_f()
Specify (possibly) time-varying parameters (e.g. natural mortality, growth, maturity, fecundity, selectivity) in .par file
change_tv()
Run the operating model
run_ss3model()
Survey and composition sampling
Sample fleet data with observation error and write to the estimation model .dat file — can include fishery-dependent and -independent abundance index, age-composition data, and length-composition data
change_index(), change_agecomp(), change_lcomp()
Manipulate the starter file for retrospective analysis
change_retro()
Estimation model
Manipulate estimation model; add forecasting if needed
change_e()
Run the estimation model
run_ss3model()
Calculate bias-adjustment factor if needed
run_bias_ss3()
Repeat for scenarios and iterations