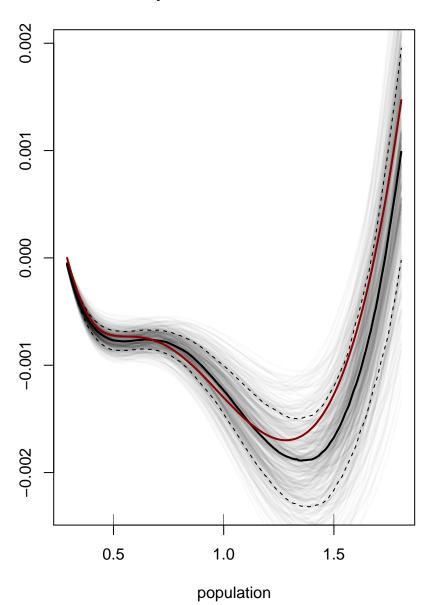## potential function

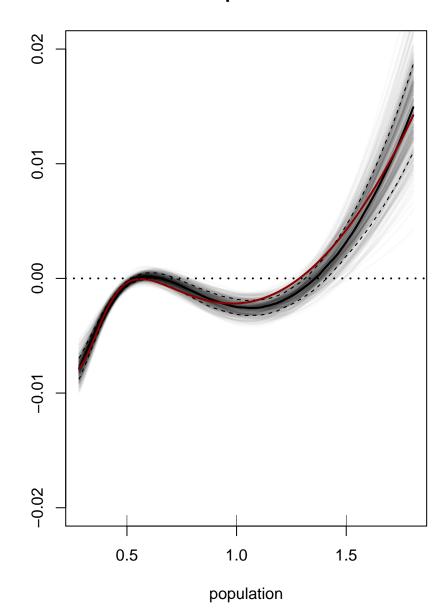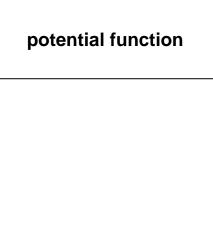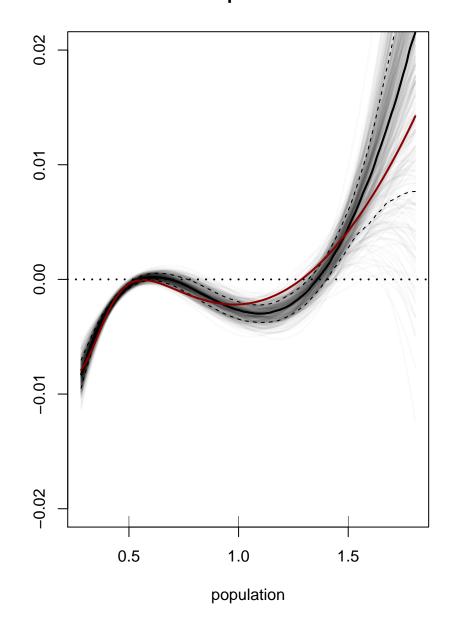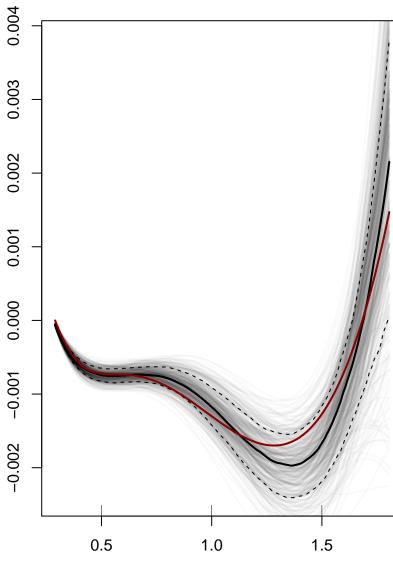## derivative of potential function

population

population

potential function

derivative of potential function

population

population