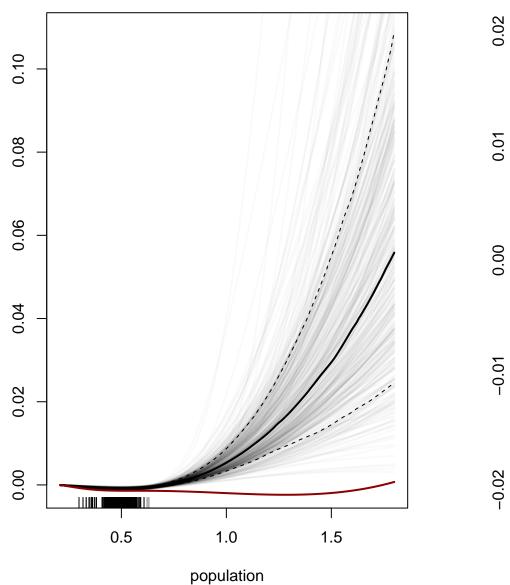
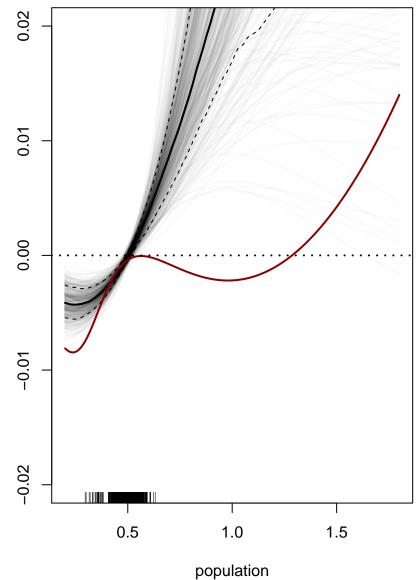
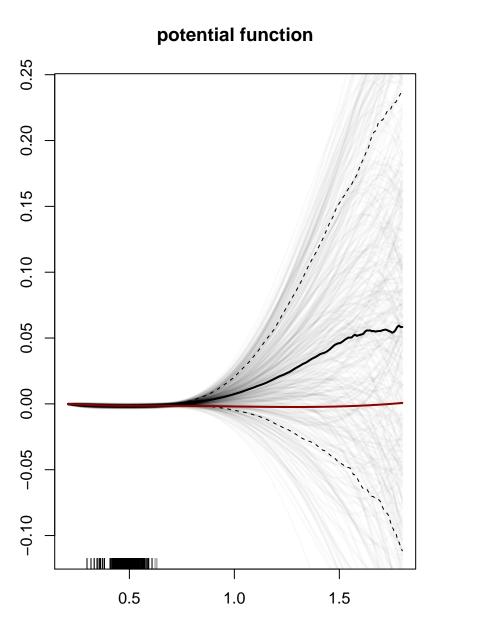


derivative of potential function







population

derivative of potential function

