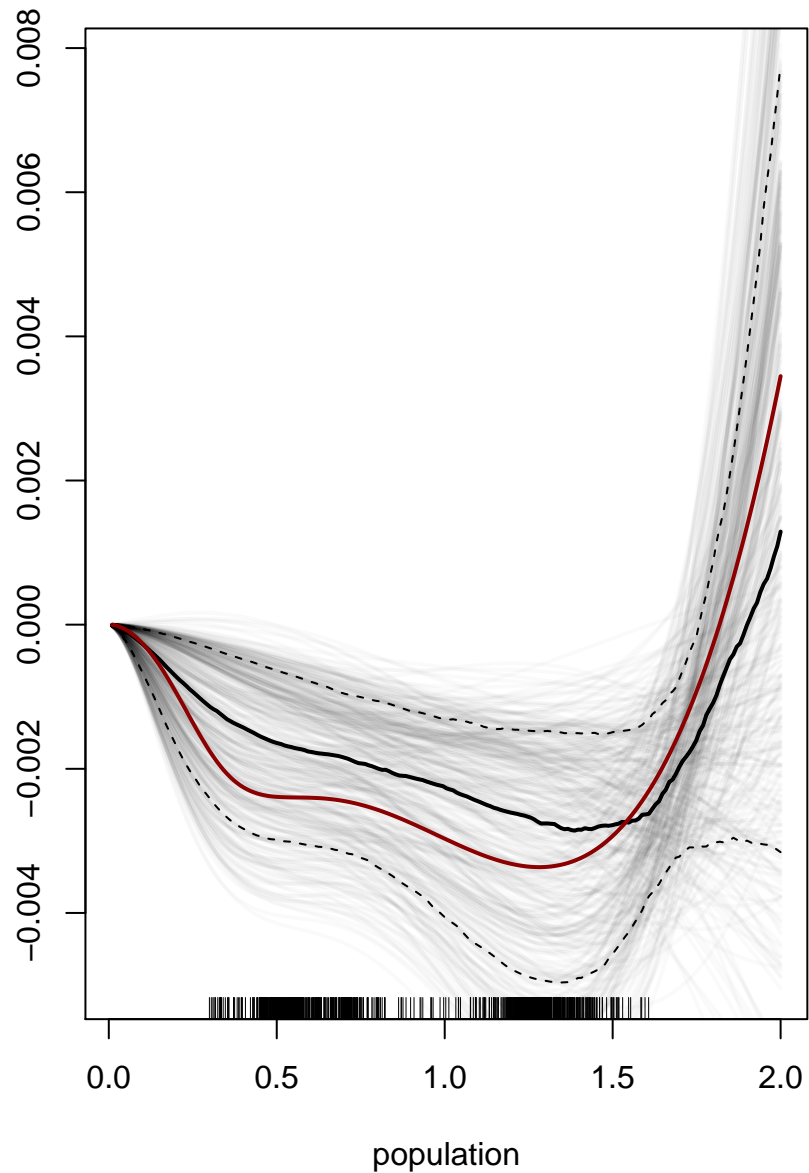
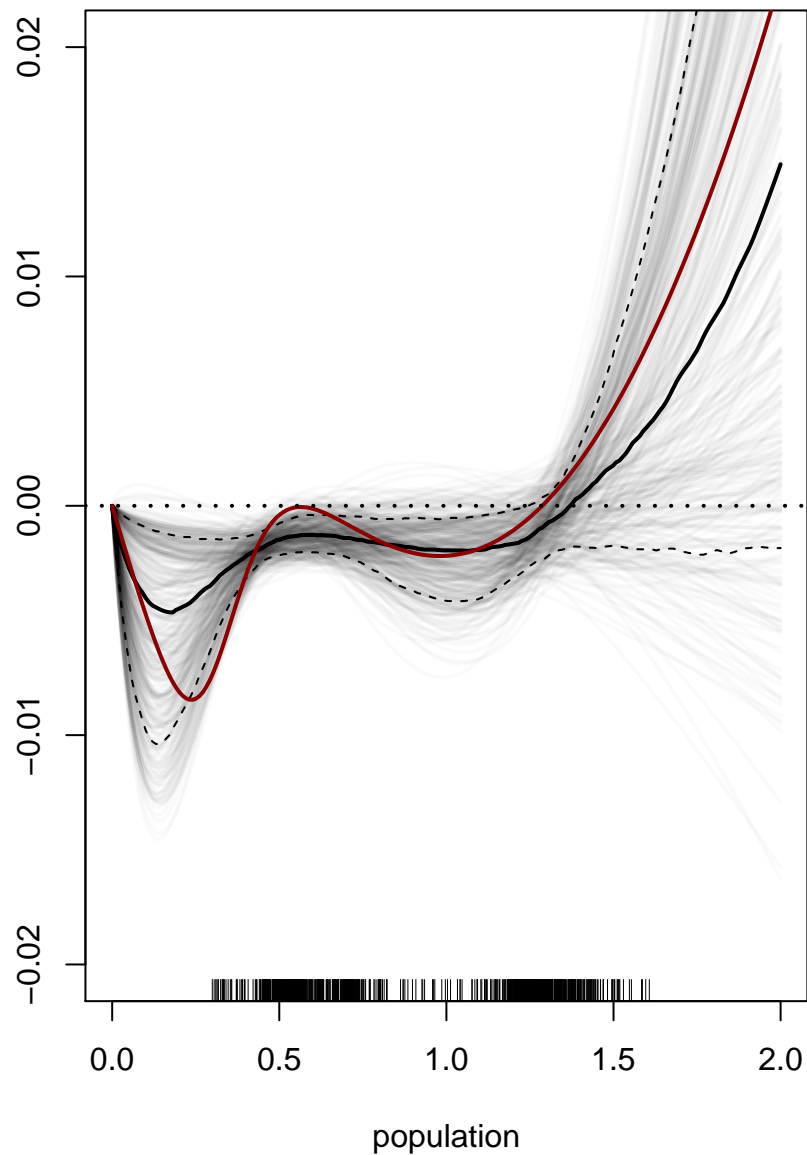


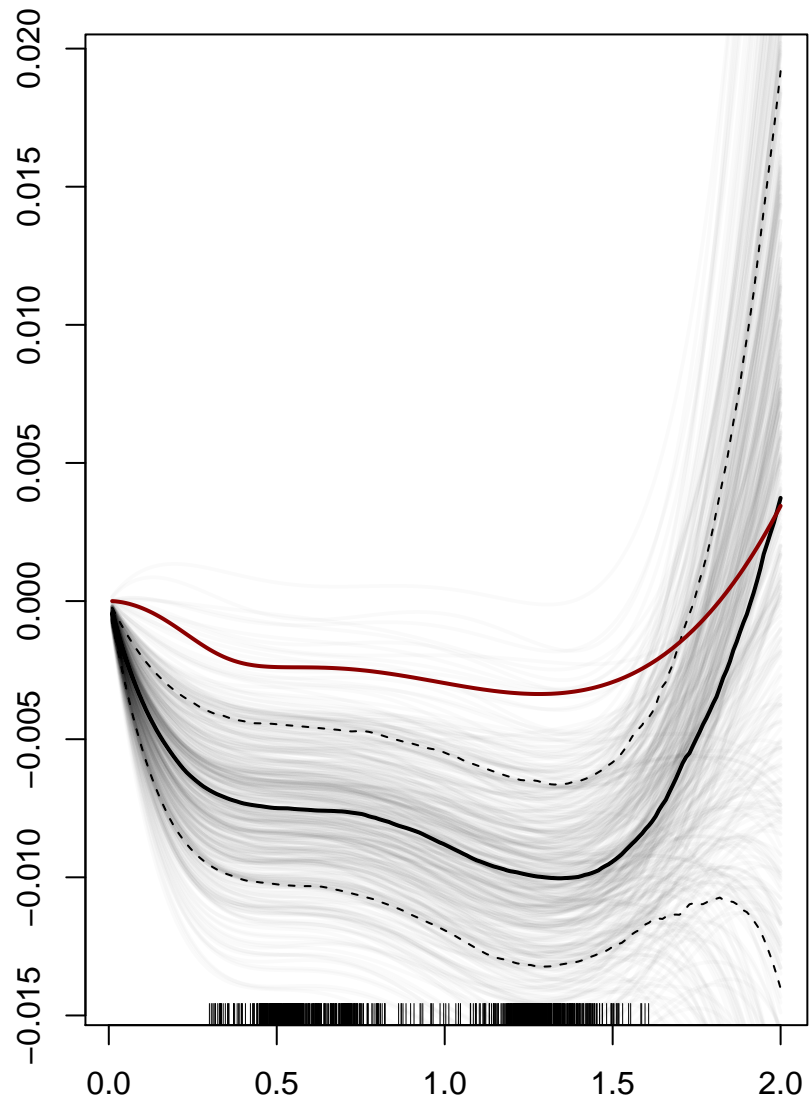
potential function



derivative of potential function

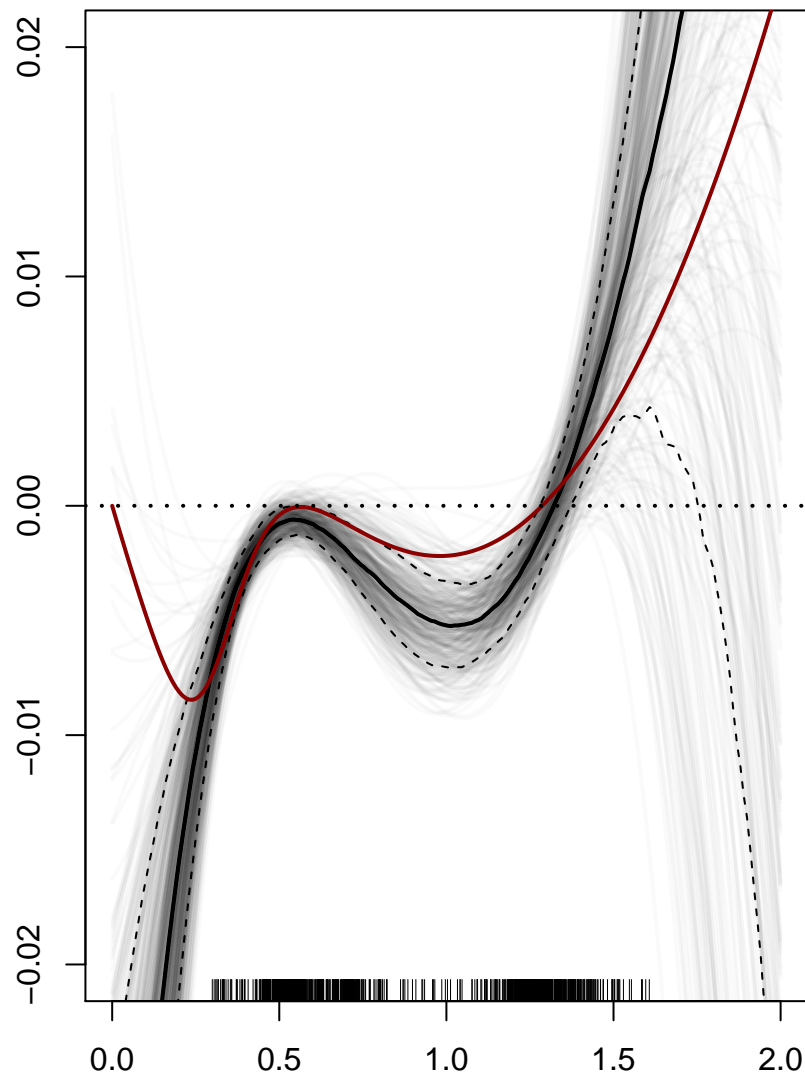


potential function



population

derivative of potential function



population