α_x vs. x
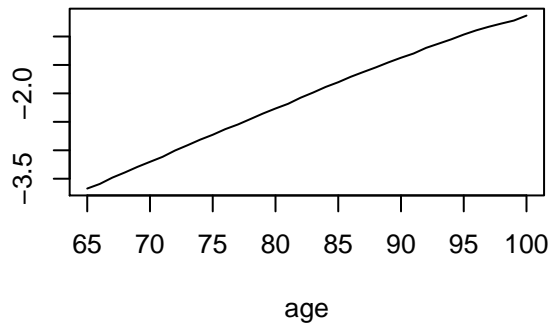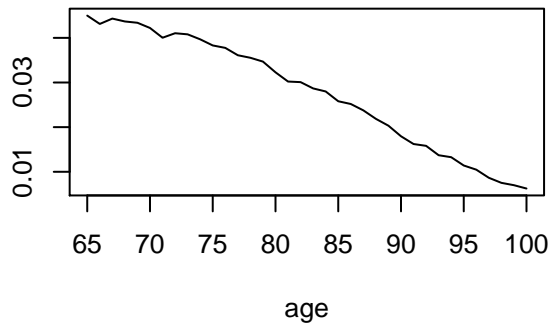
$\beta_x^{(1)}$ vs. x

$\kappa_t^{(1)}$ vs. t