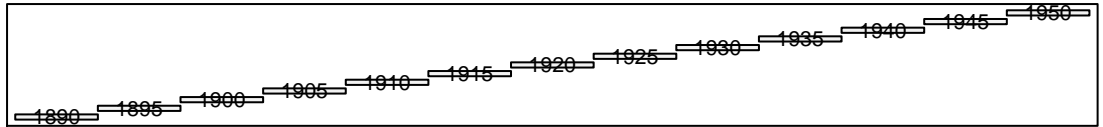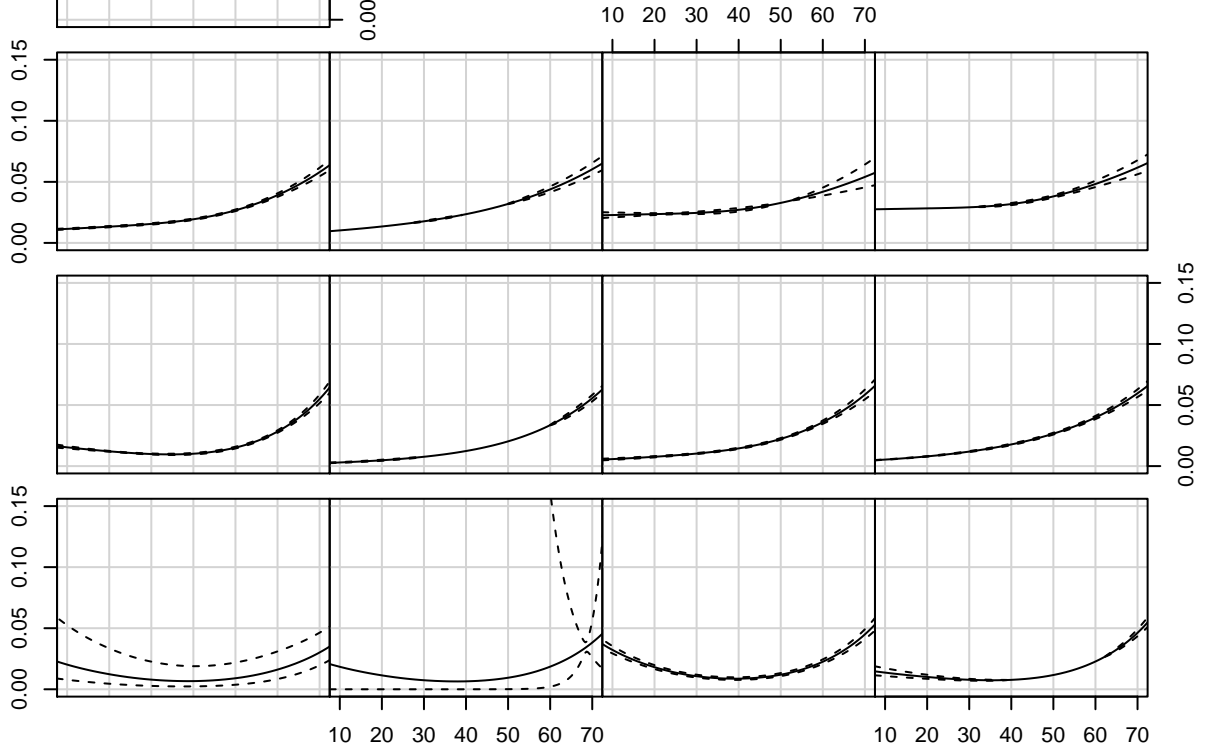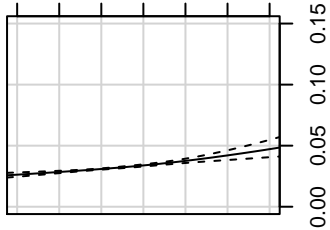Given : factor(cohort)