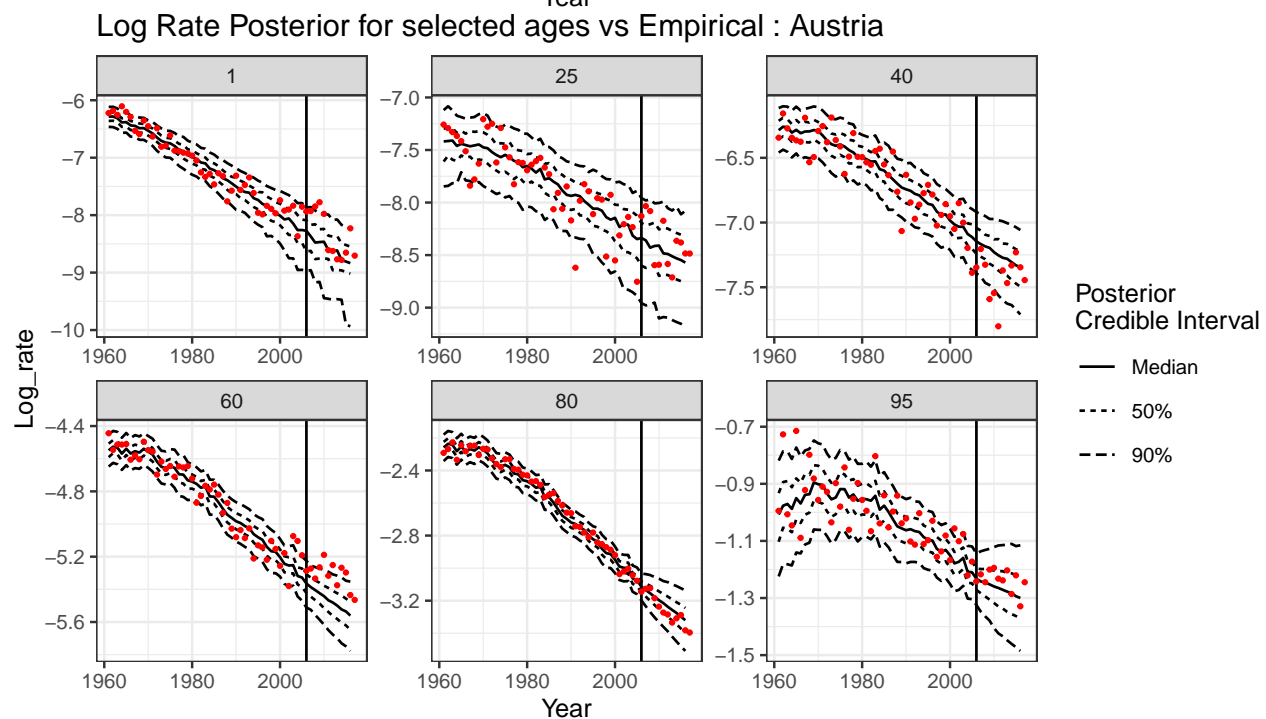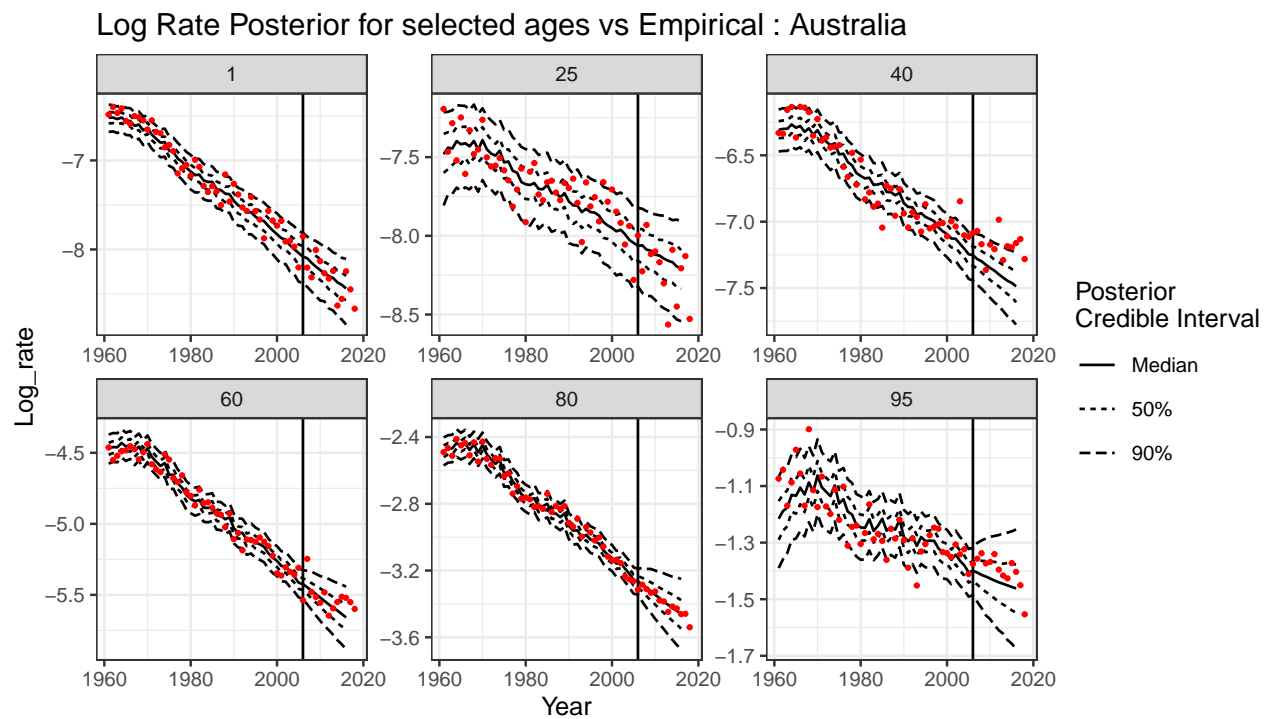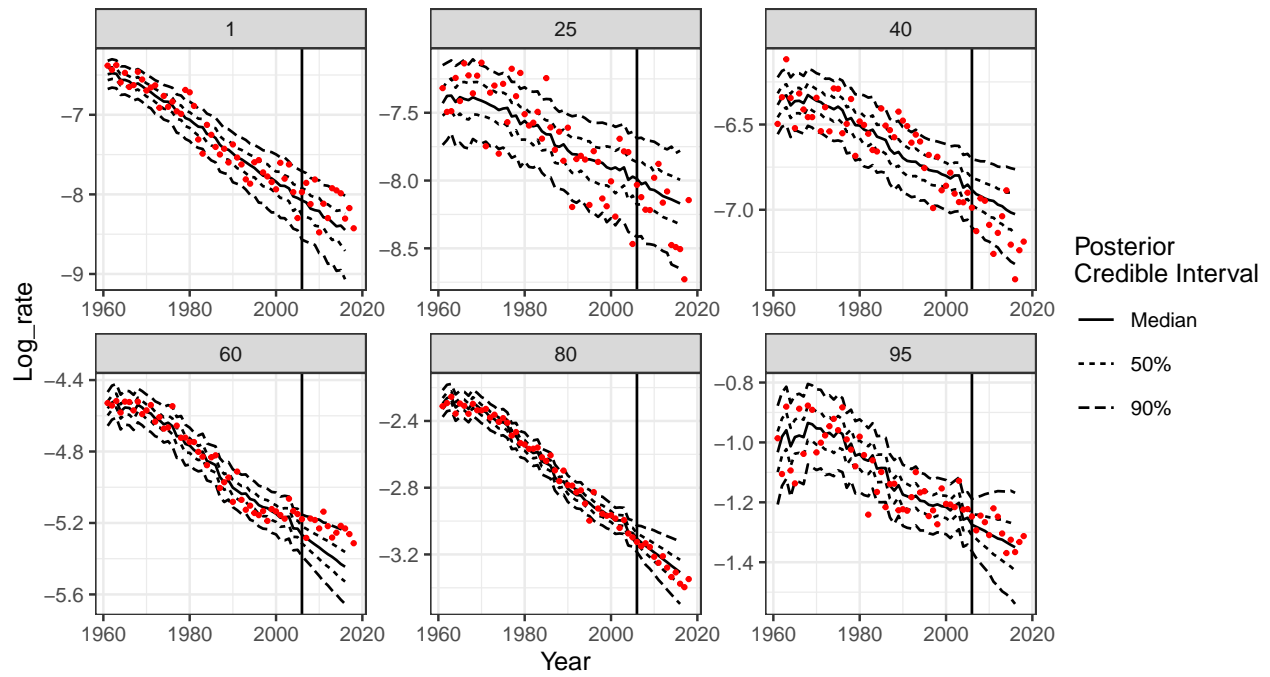# Appendix: Modelling frontier mortality using Bayesian Generalised Additive Models
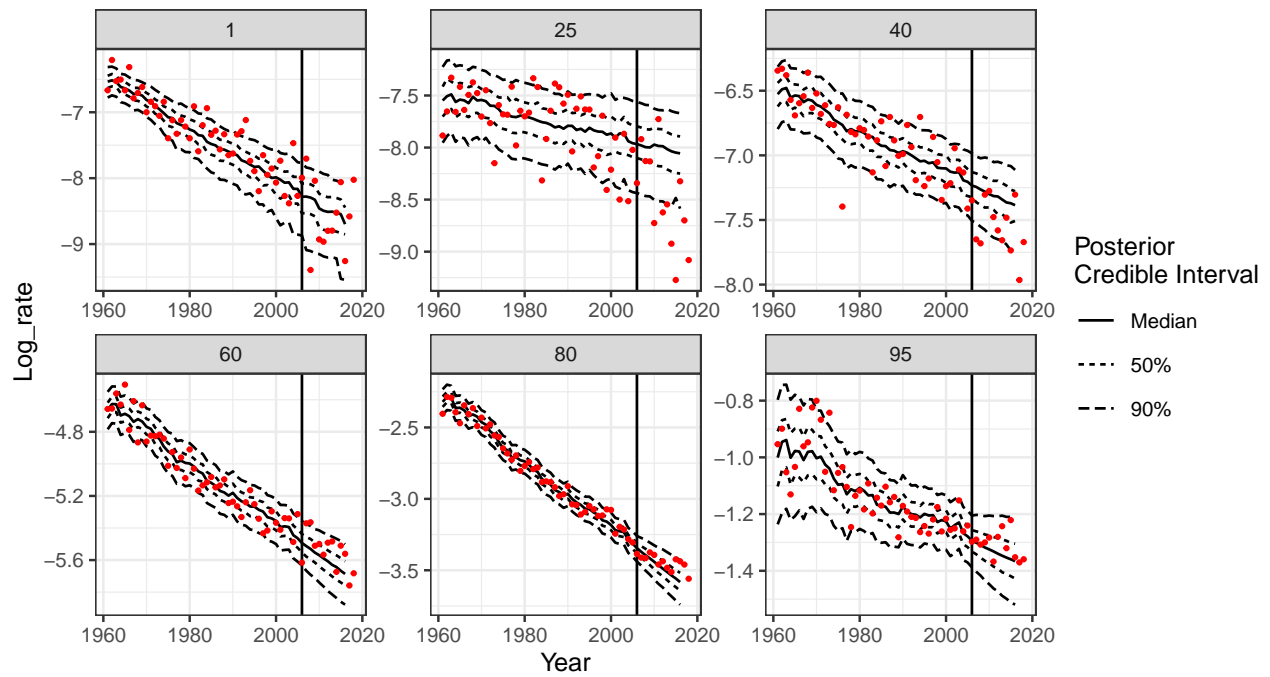
1 Country Forecast Plots - Independent Model

Log Rate Posterior for selected ages vs Empirical : Australia

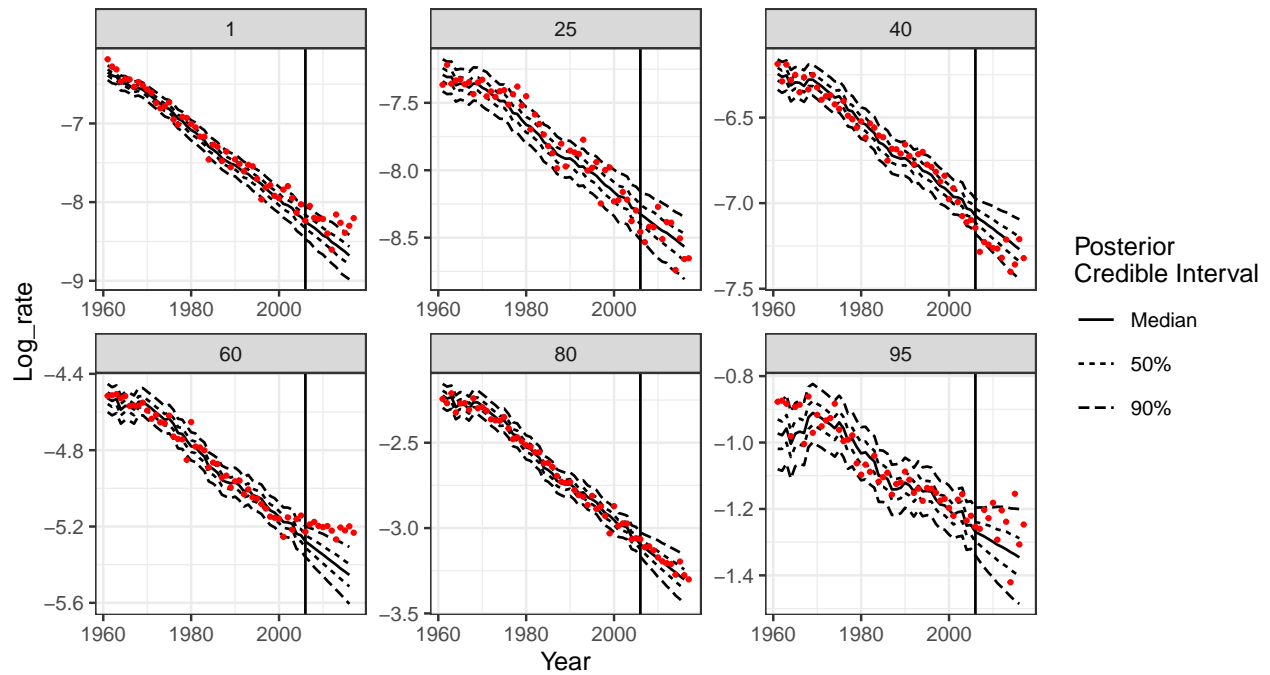Log Rate Posterior for selected ages vs Empirical : Austria

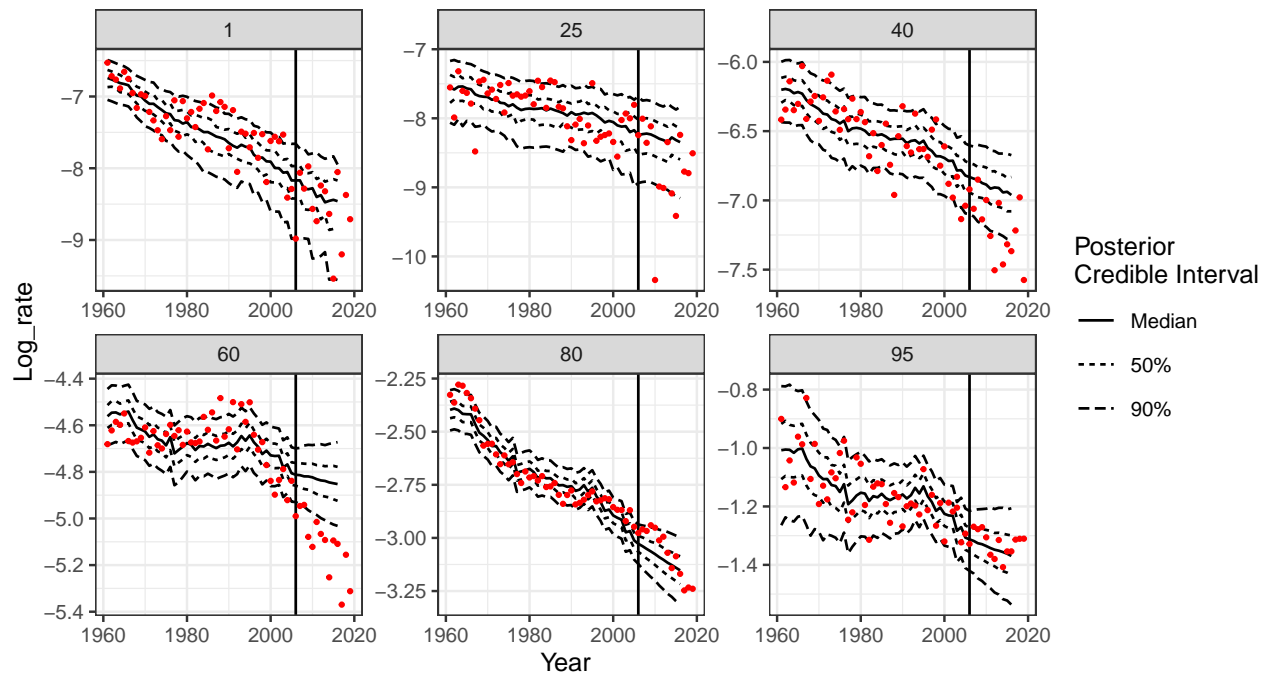## Log Rate Posterior for selected ages vs Empirical : Belgium

Log Rate Posterior for selected ages vs Empirical : Switzerland
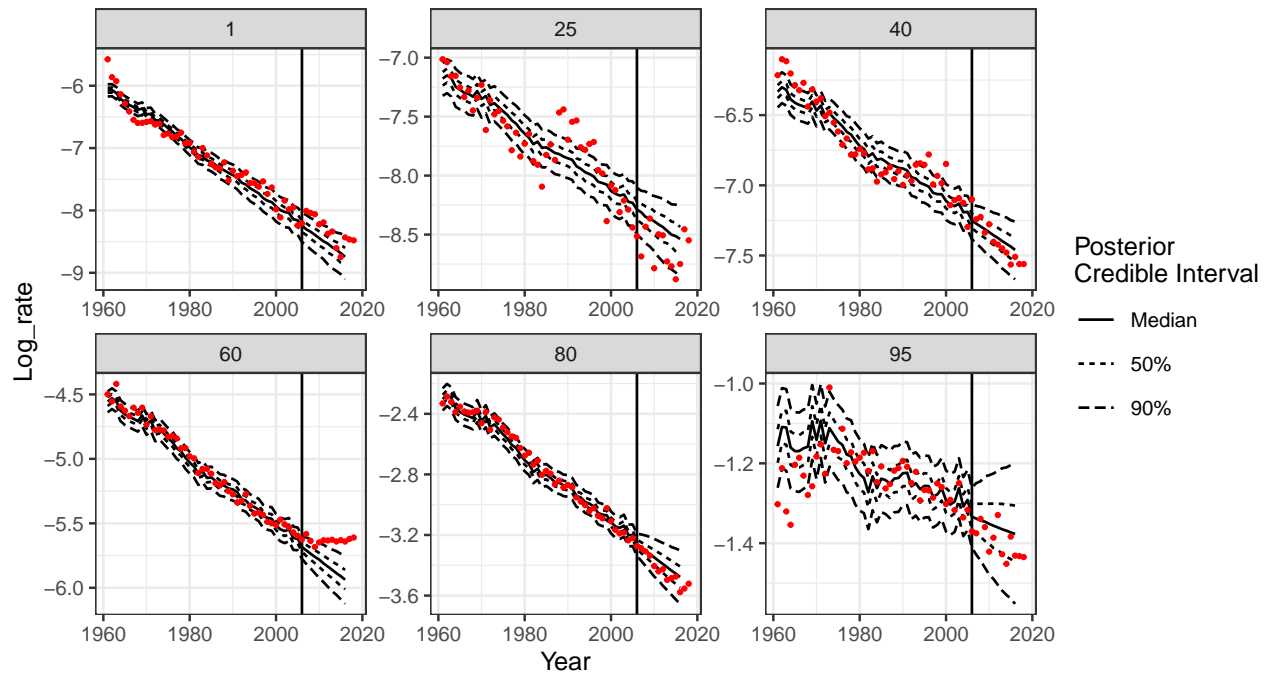
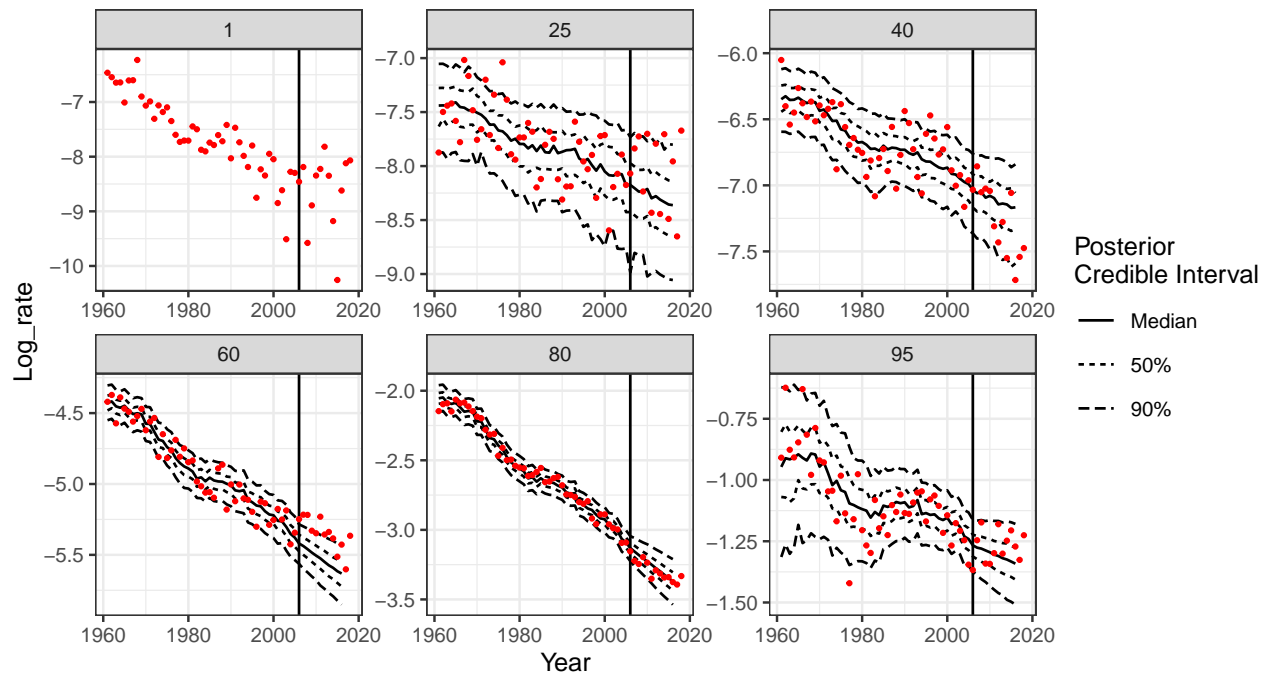Log Rate Posterior for selected ages vs Empirical : West Germany

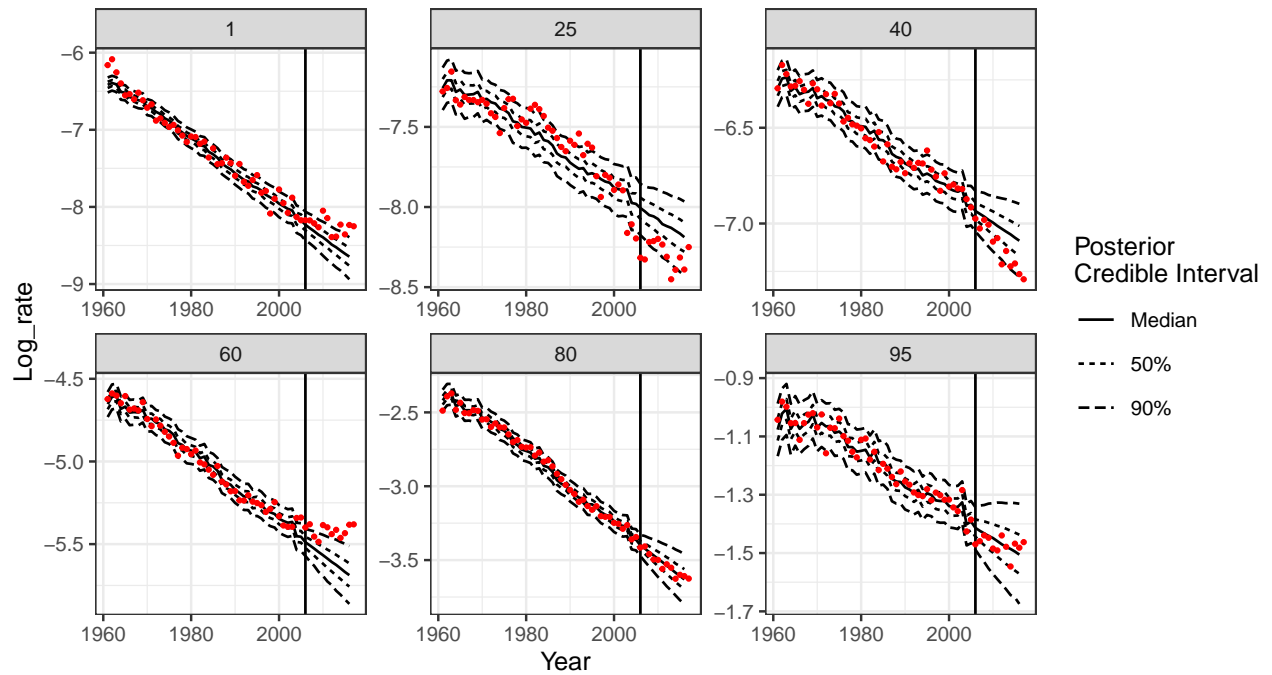Log Rate Posterior for selected ages vs Empirical : Denmark

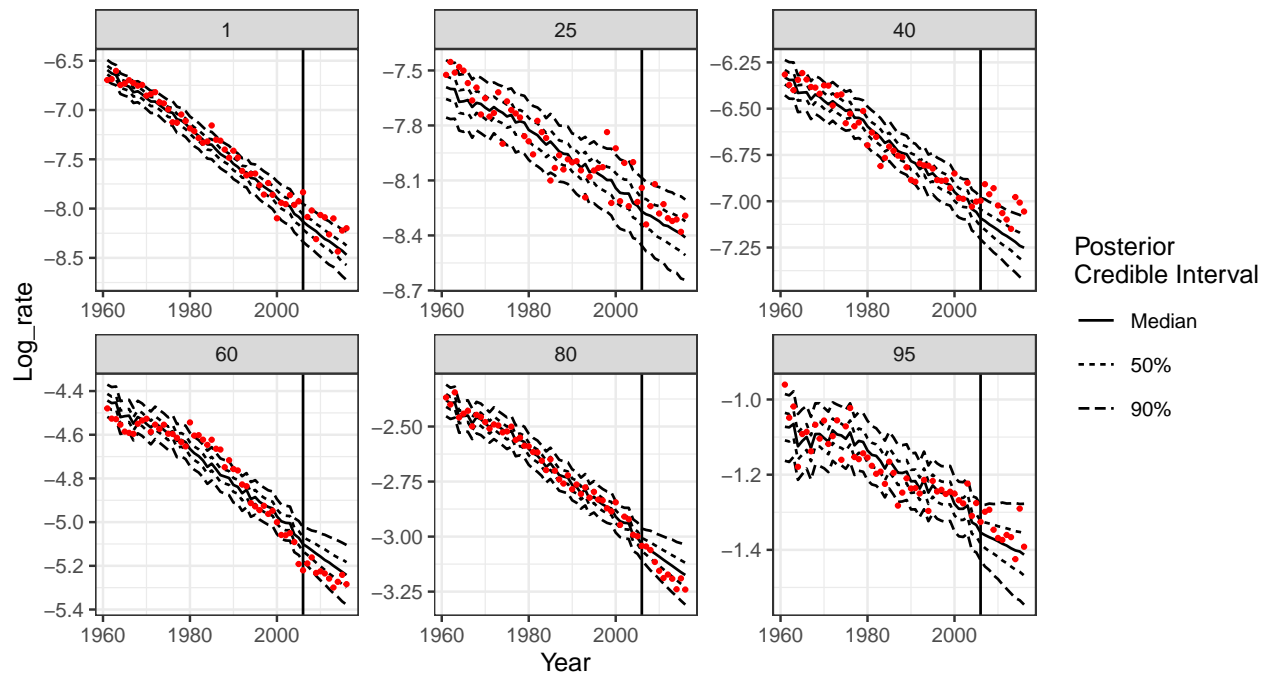Log Rate Posterior for selected ages vs Empirical : Spain

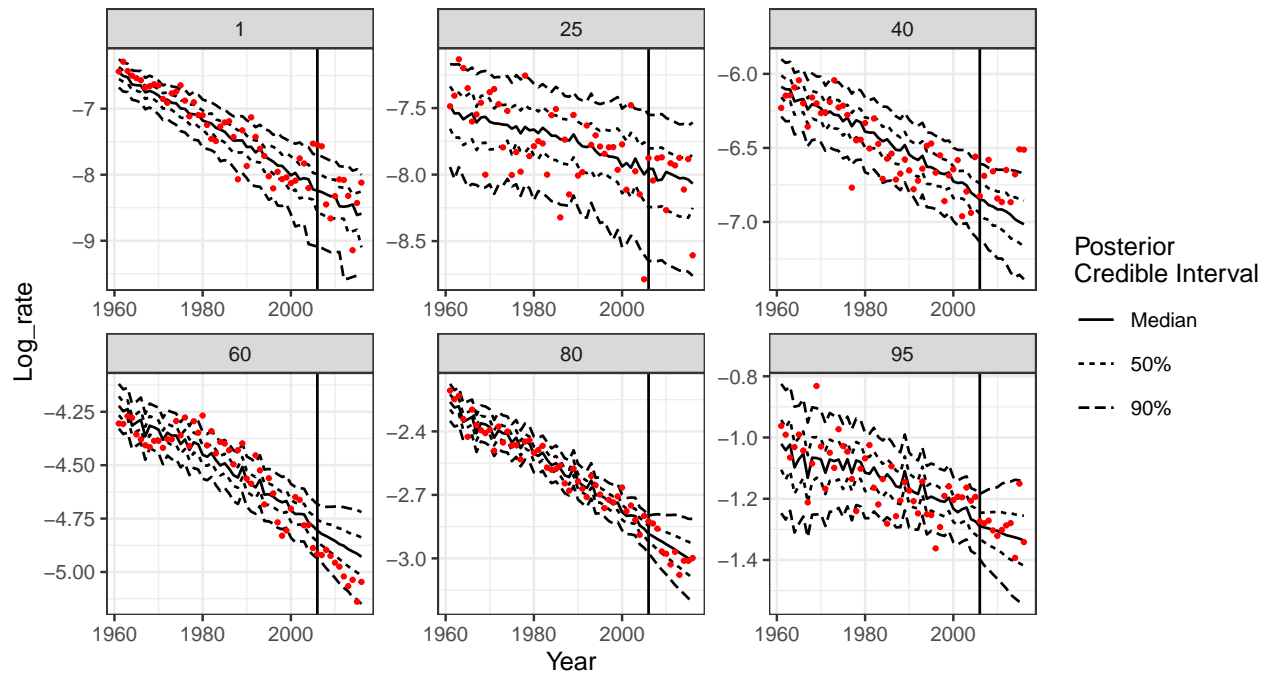Log Rate Posterior for selected ages vs Empirical : Finland

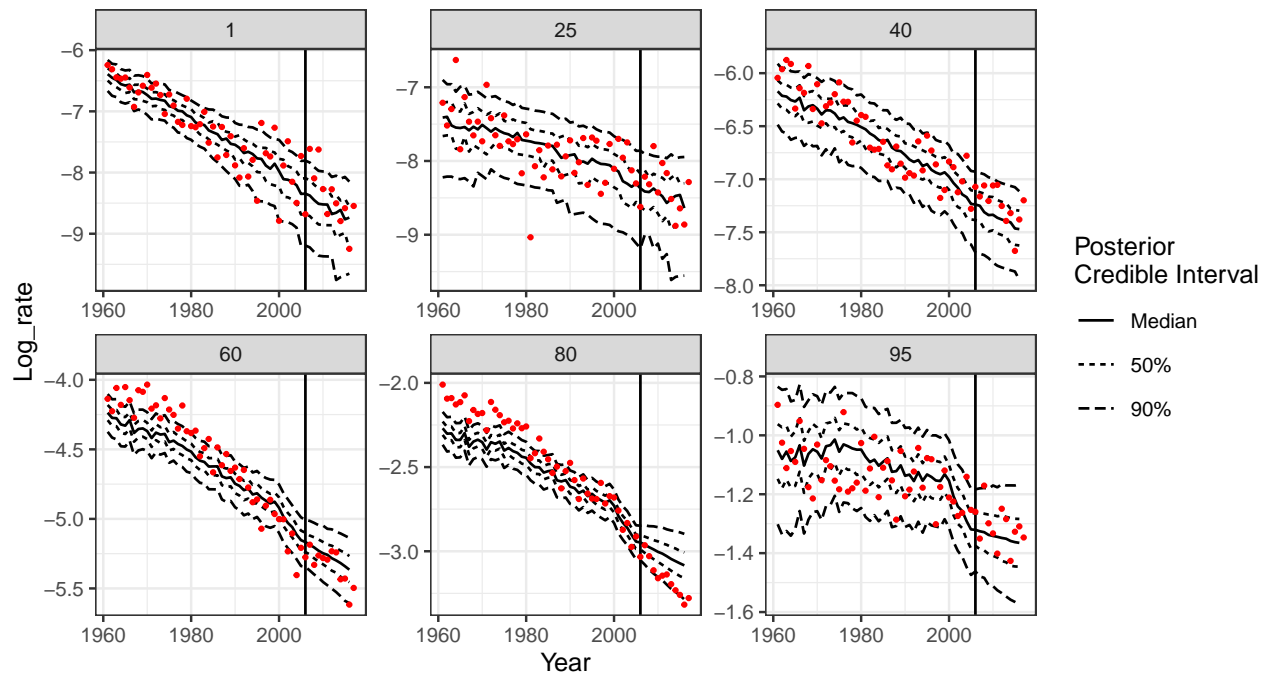Log Rate Posterior for selected ages vs Empirical : France

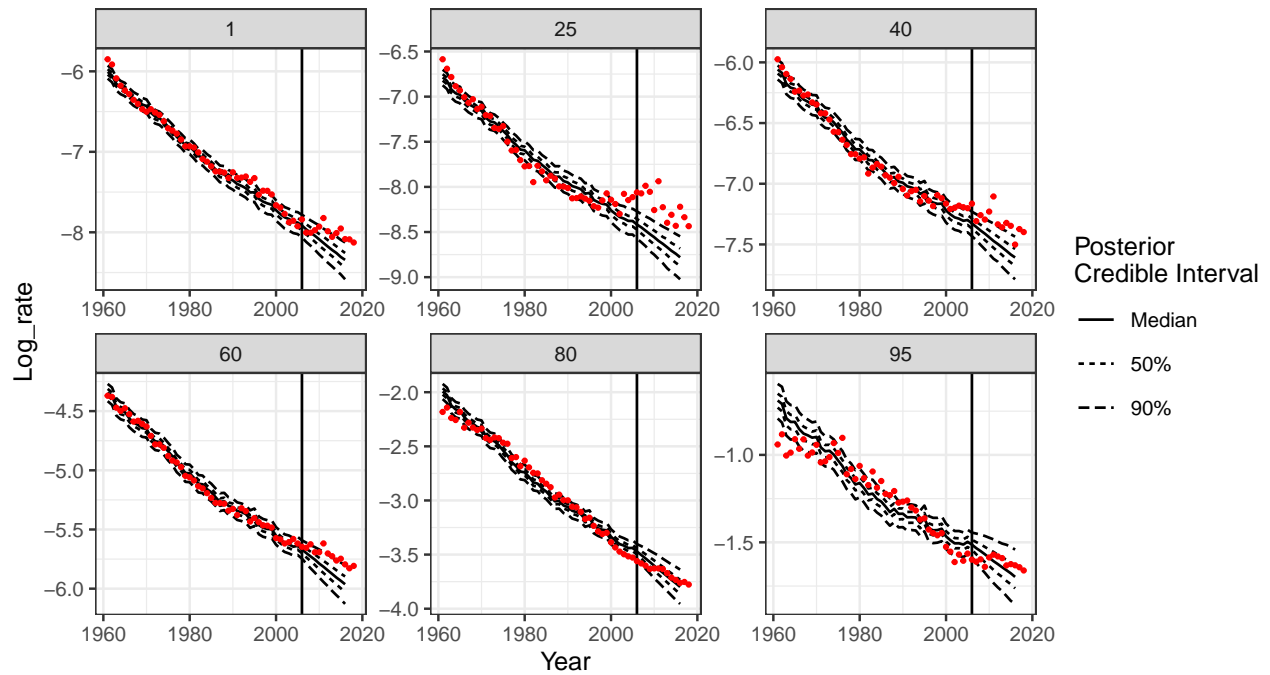Log Rate Posterior for selected ages vs Empirical : England and Wales

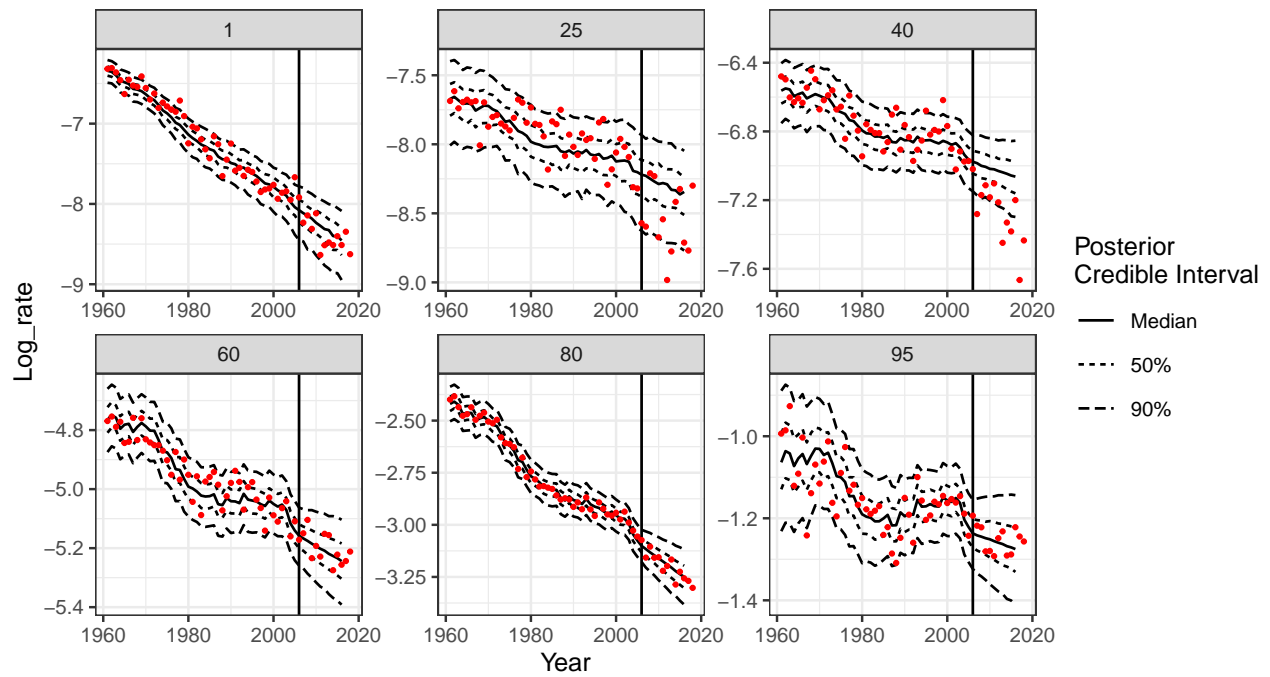Log Rate Posterior for selected ages vs Empirical : Scotland

Log Rate Posterior for selected ages vs Empirical : Ireland

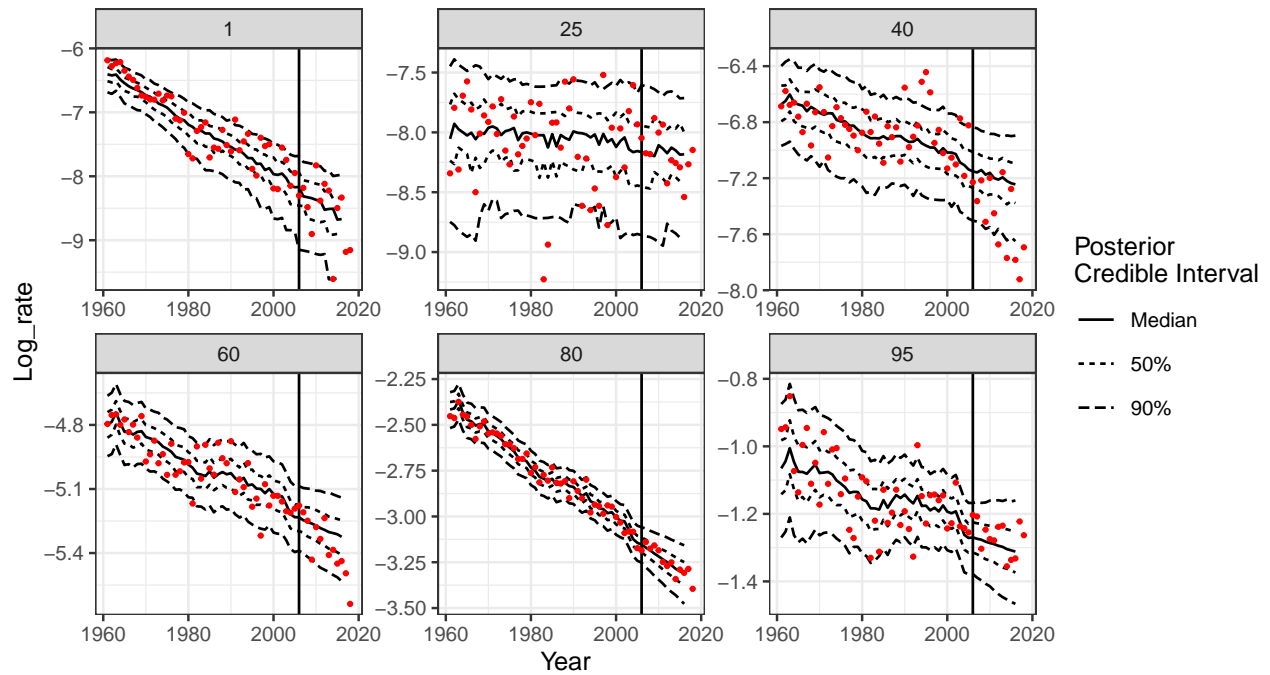## Log Rate Posterior for selected ages vs Empirical : Japan

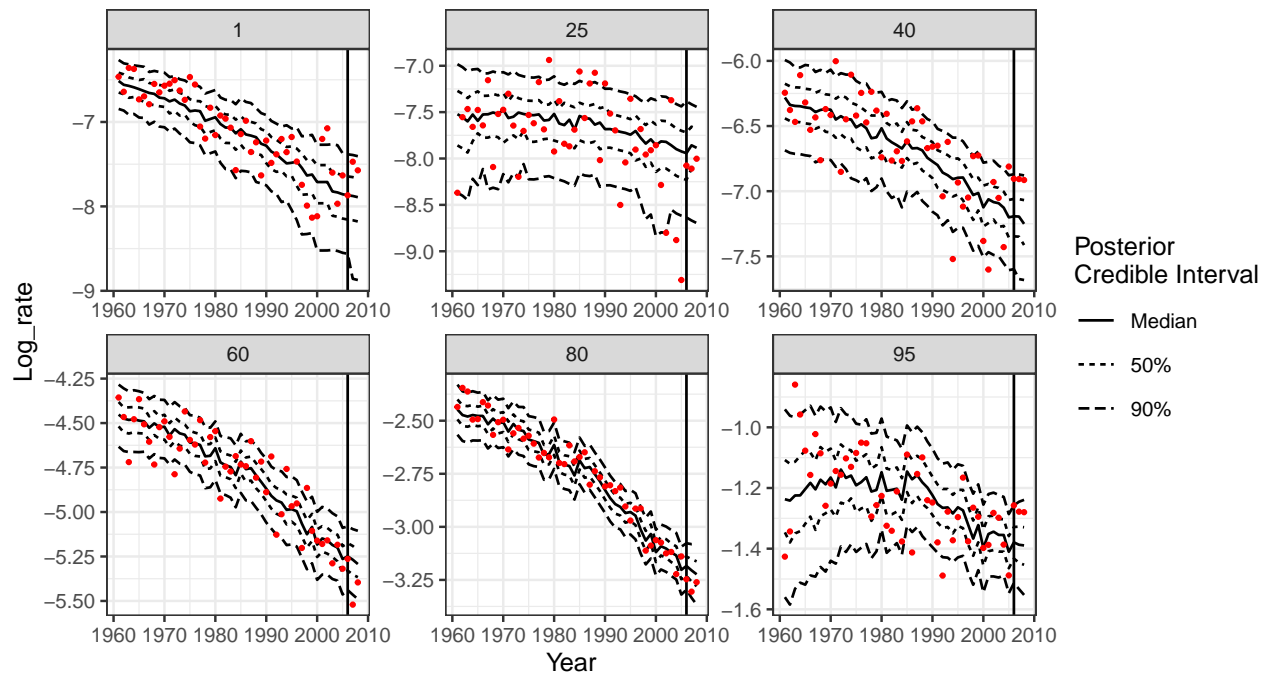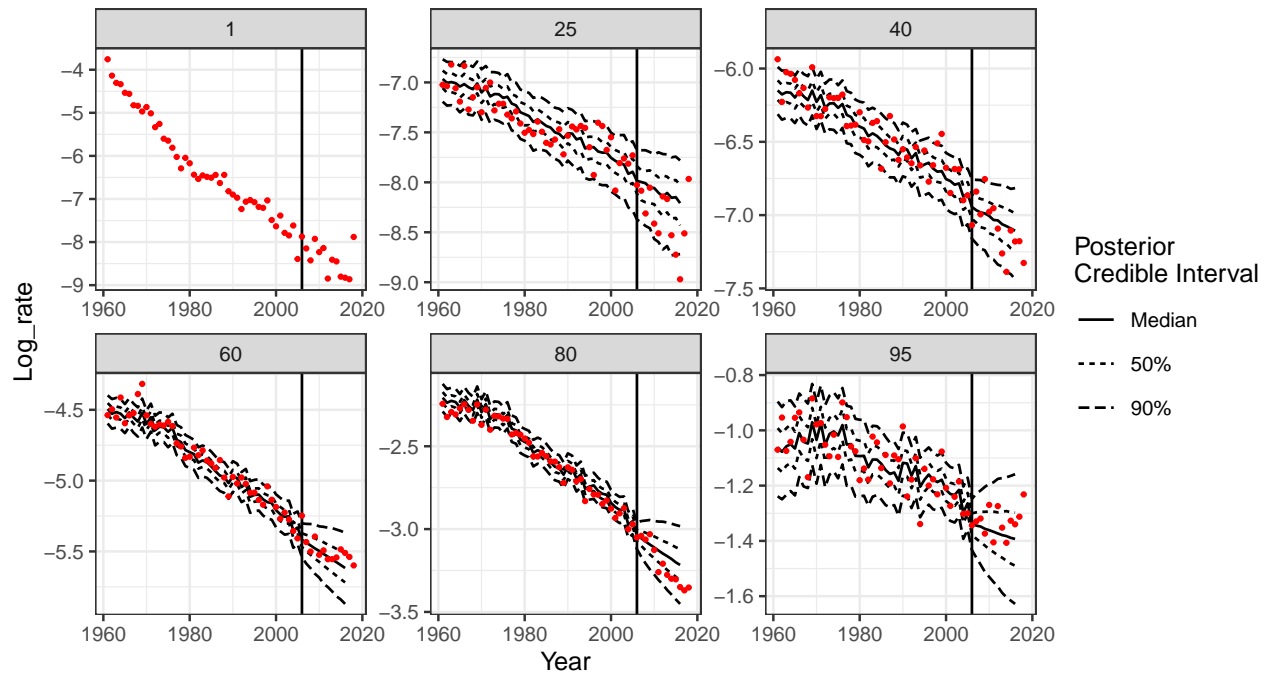## Log Rate Posterior for selected ages vs Empirical : Netherlands

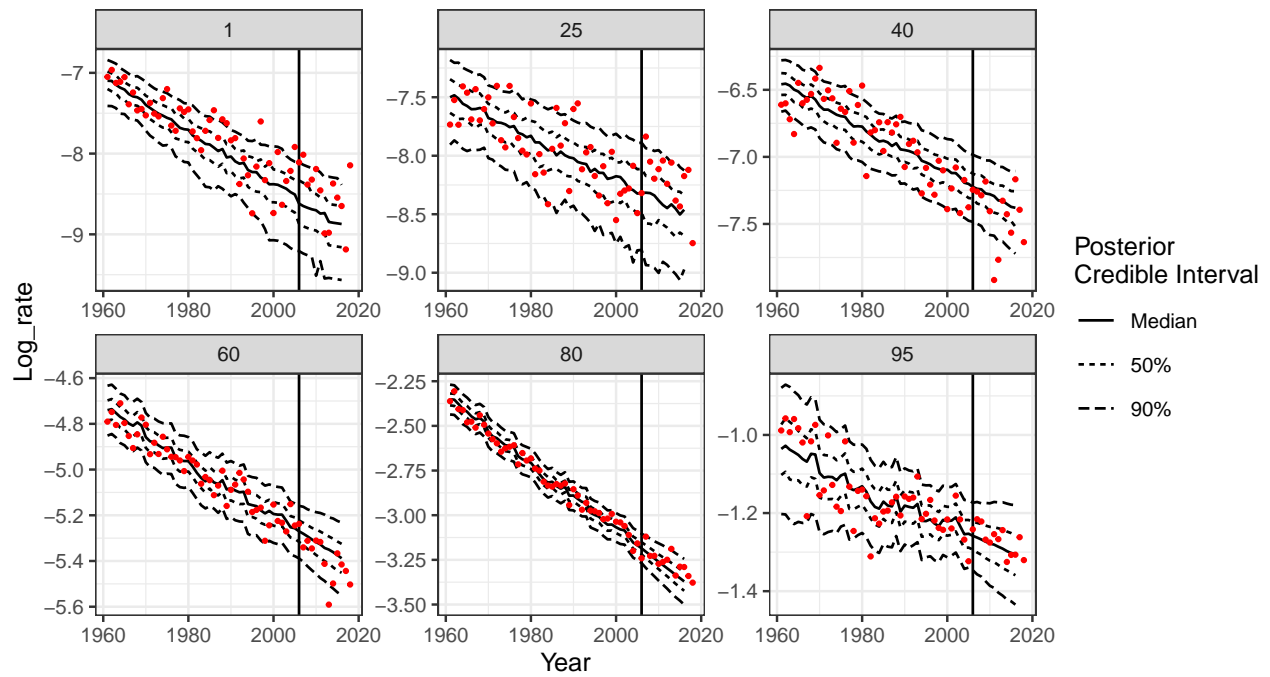Log Rate Posterior for selected ages vs Empirical : Norway

Log Rate Posterior for selected ages vs Empirical : New Zealand (non−Maori)
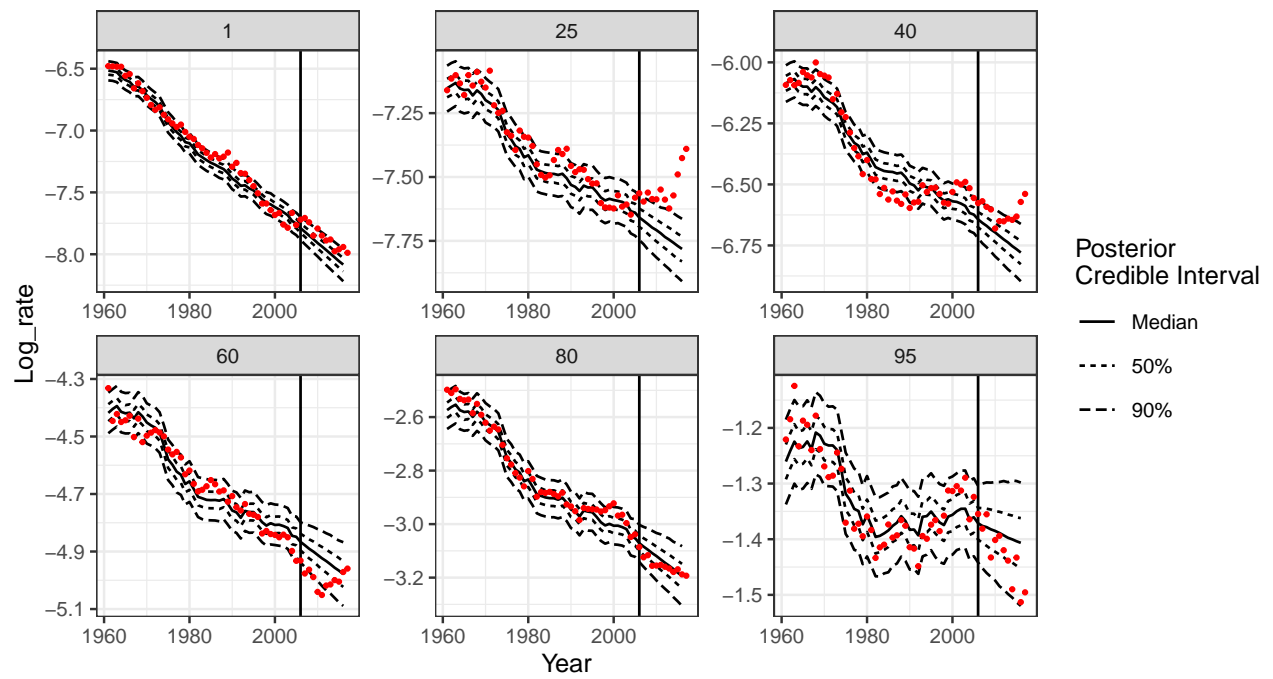
Log Rate Posterior for selected ages vs Empirical : Portugal

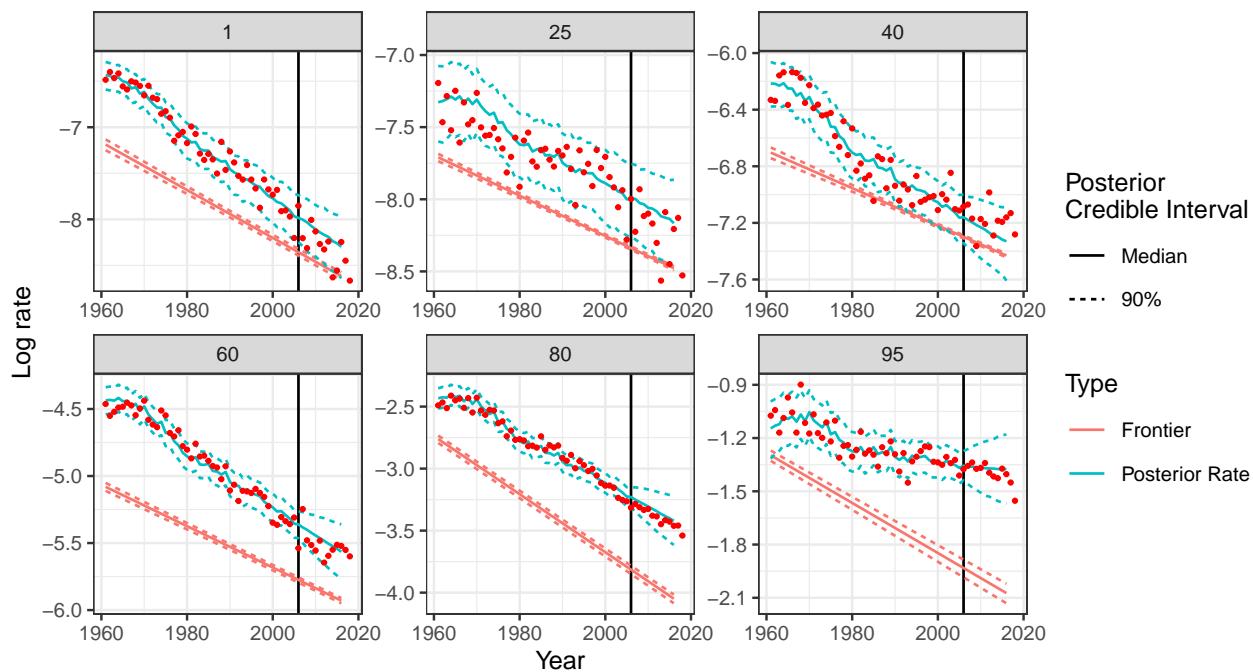## Log Rate Posterior for selected ages vs Empirical : Sweden

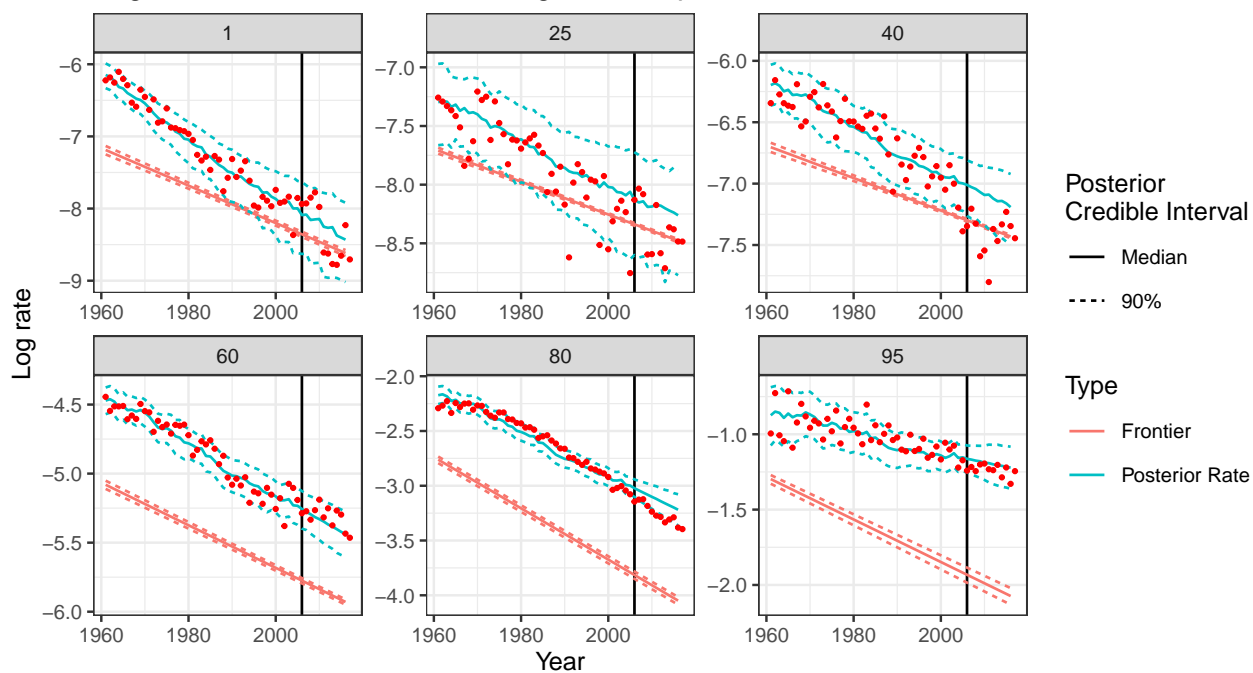Log Rate Posterior for selected ages vs Empirical : USA
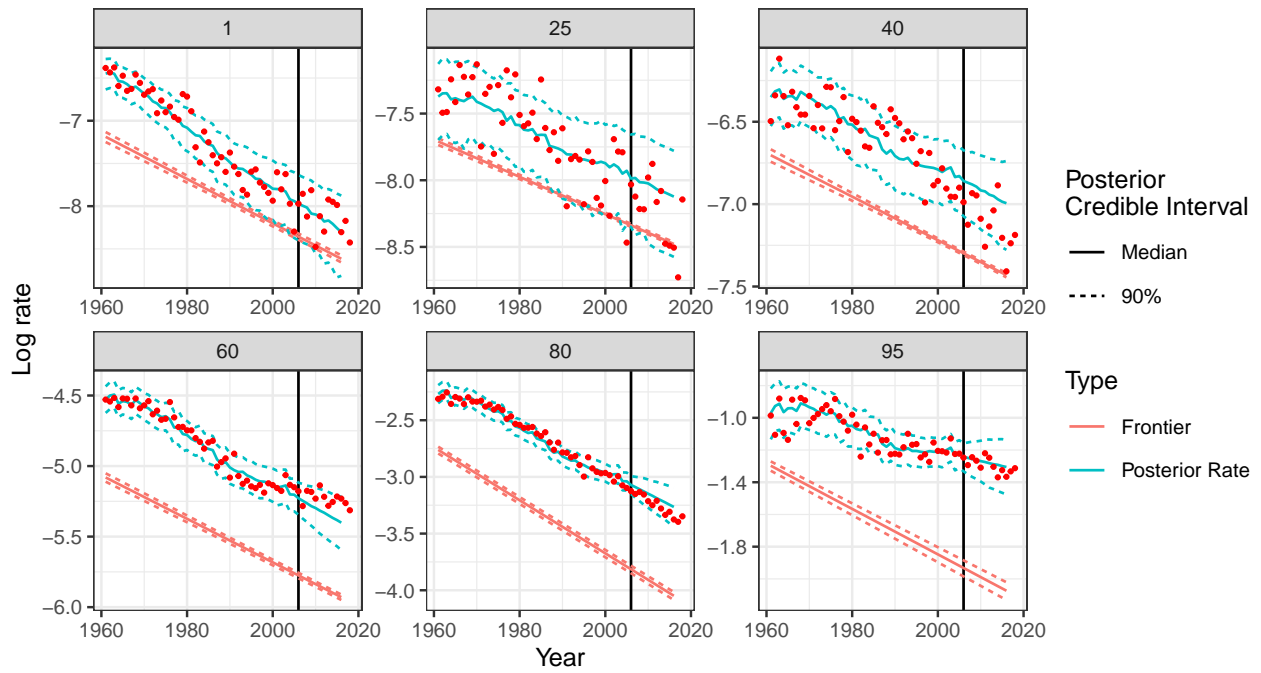
2 Country Forecast Plots - Linear Model

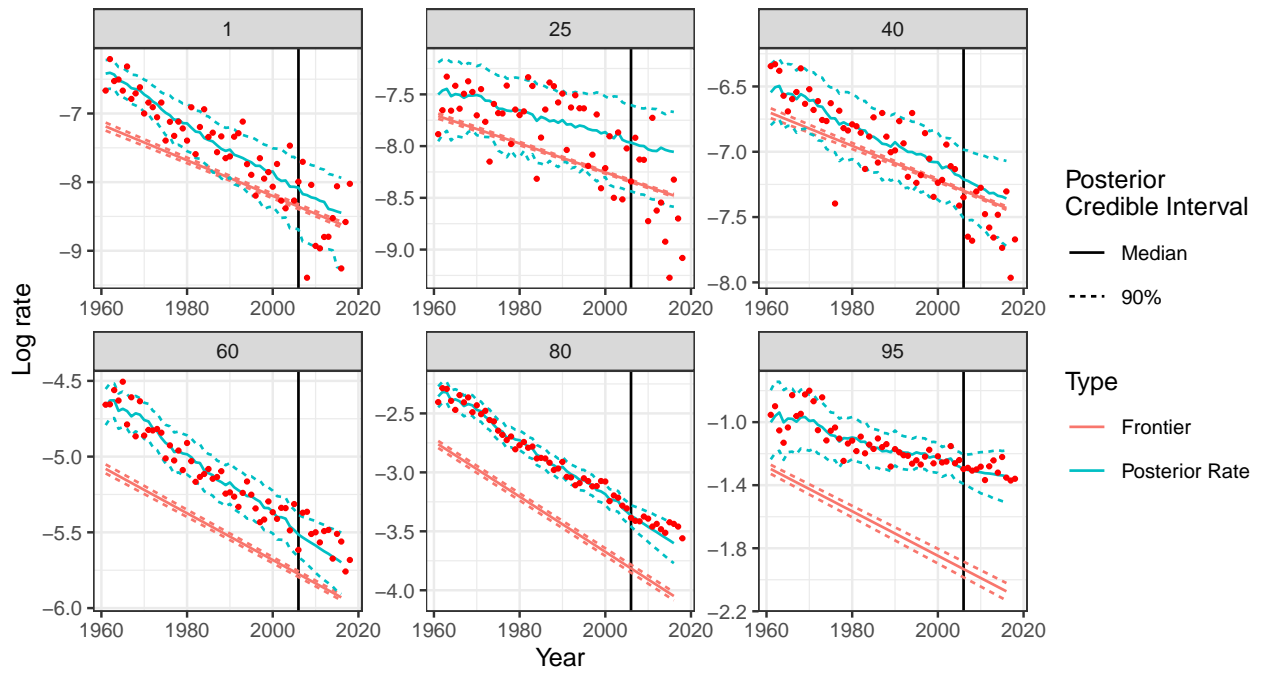Log Rate Posterior for selected ages vs Empirical : Australia

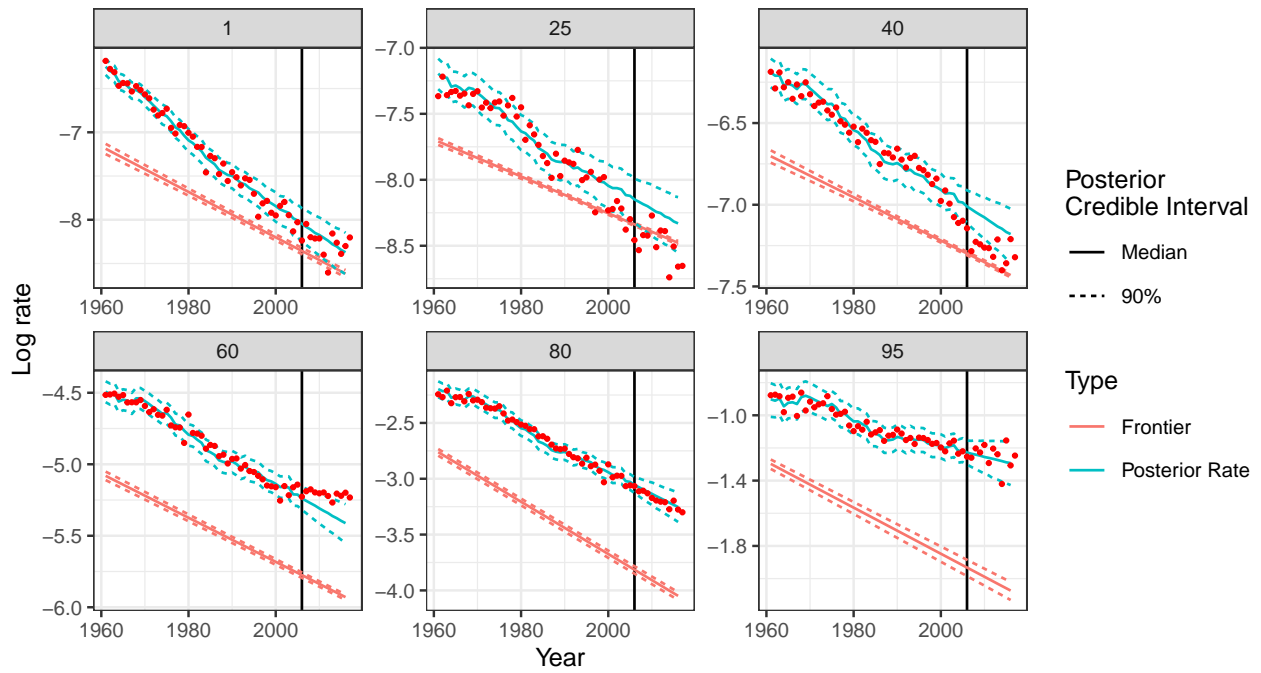Log Rate Posterior for selected ages vs Empirical : Austria

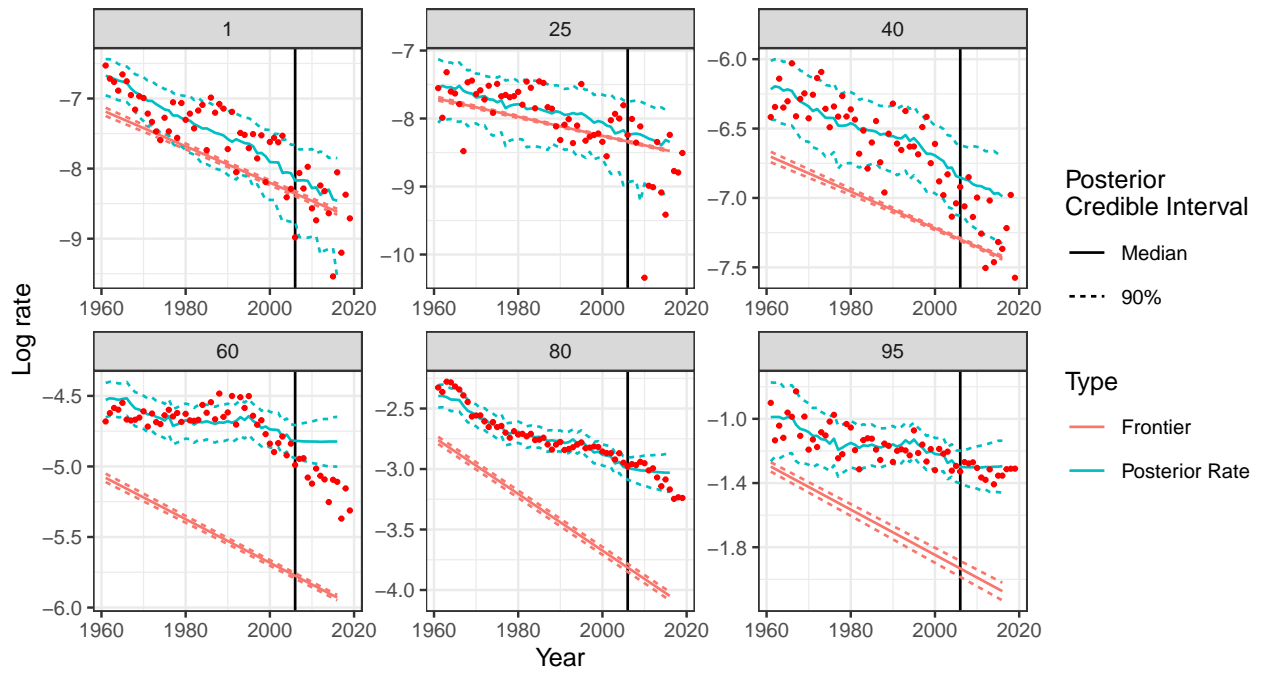# Log Rate Posterior for selected ages vs Empirical : Belgium

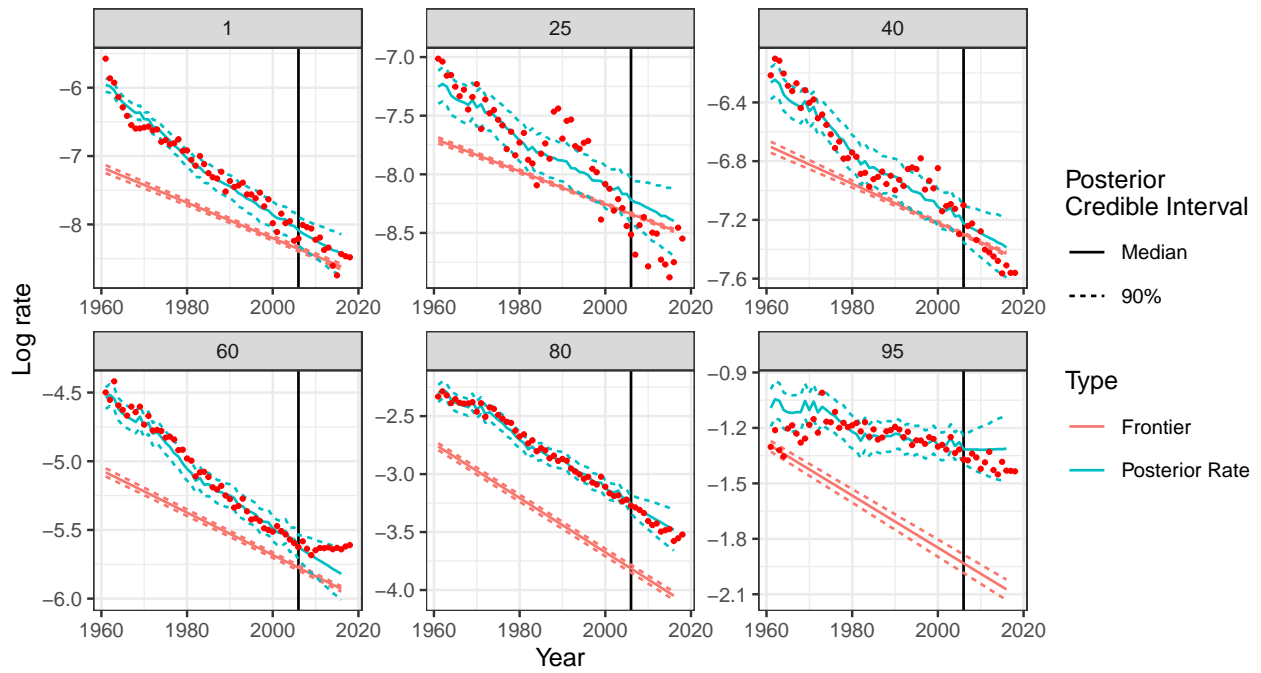# Log Rate Posterior for selected ages vs Empirical : Switzerland

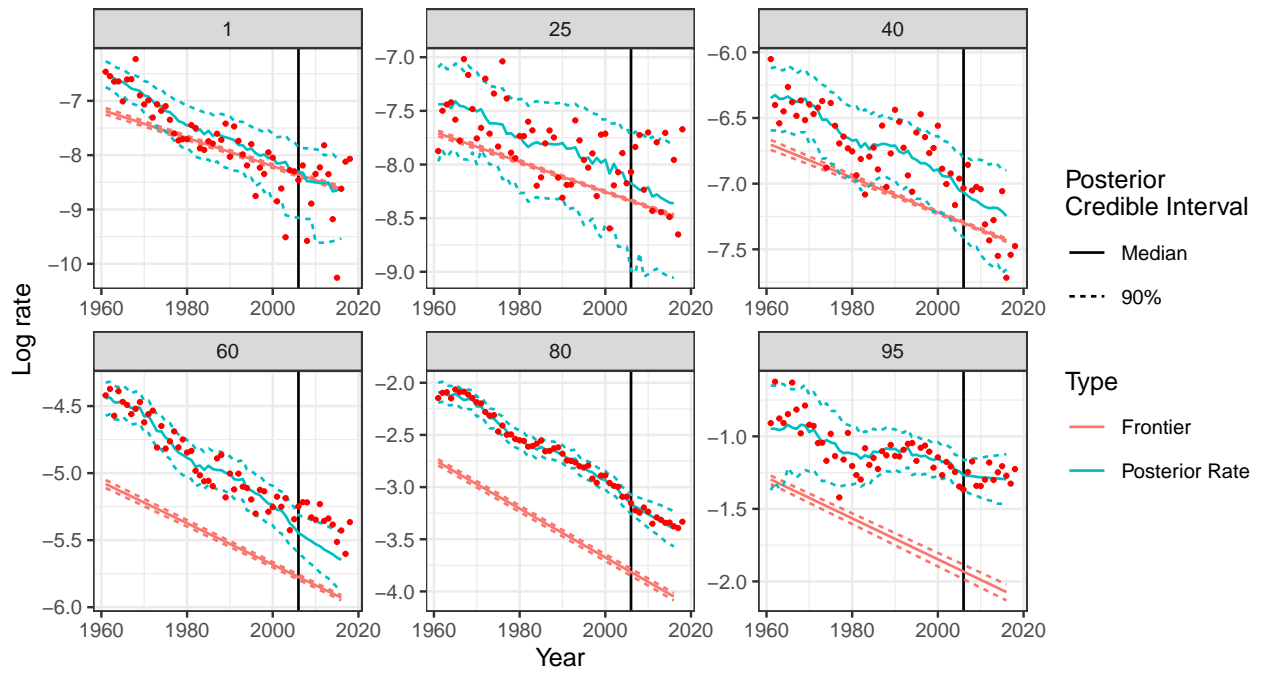# Log Rate Posterior for selected ages vs Empirical : West Germany

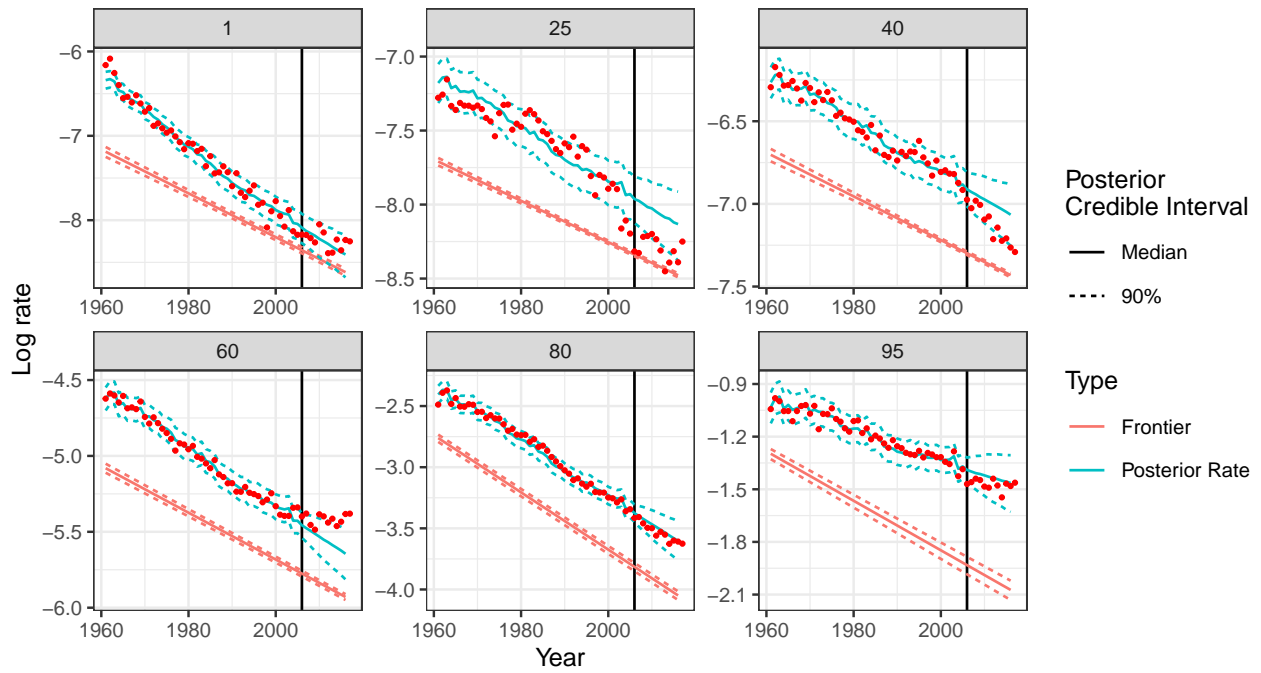# Log Rate Posterior for selected ages vs Empirical : Denmark

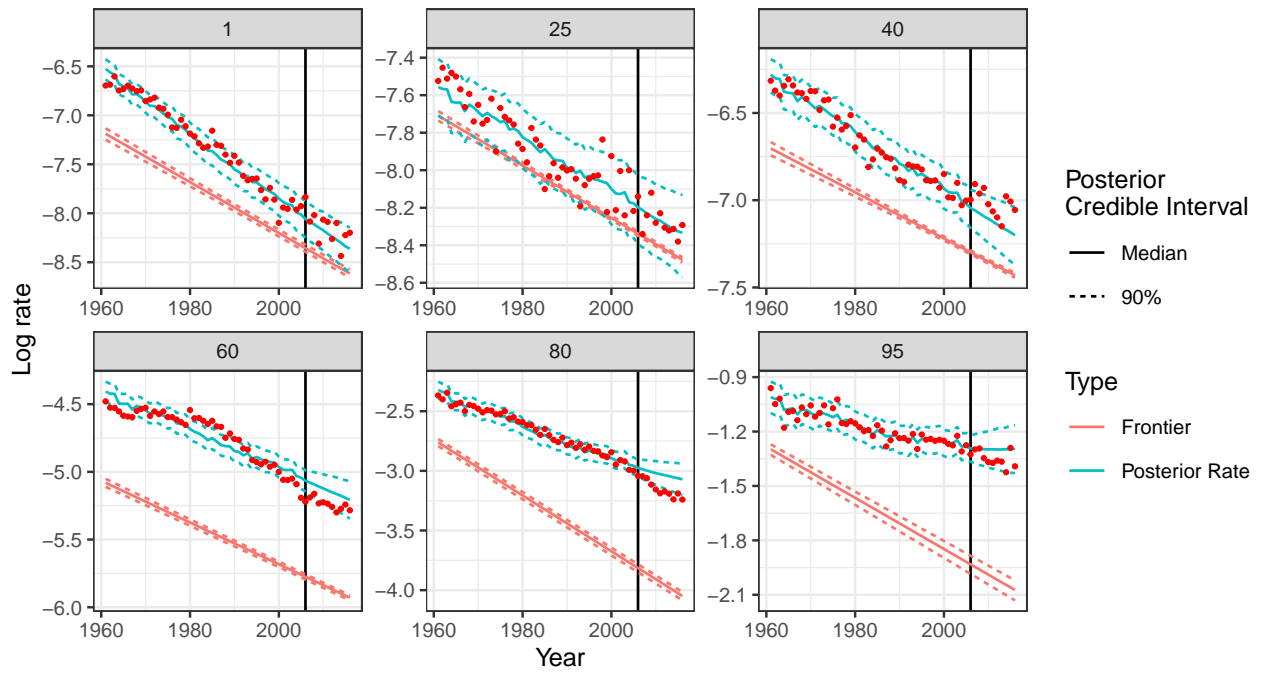Log Rate Posterior for selected ages vs Empirical : Spain

Log Rate Posterior for selected ages vs Empirical : Finland

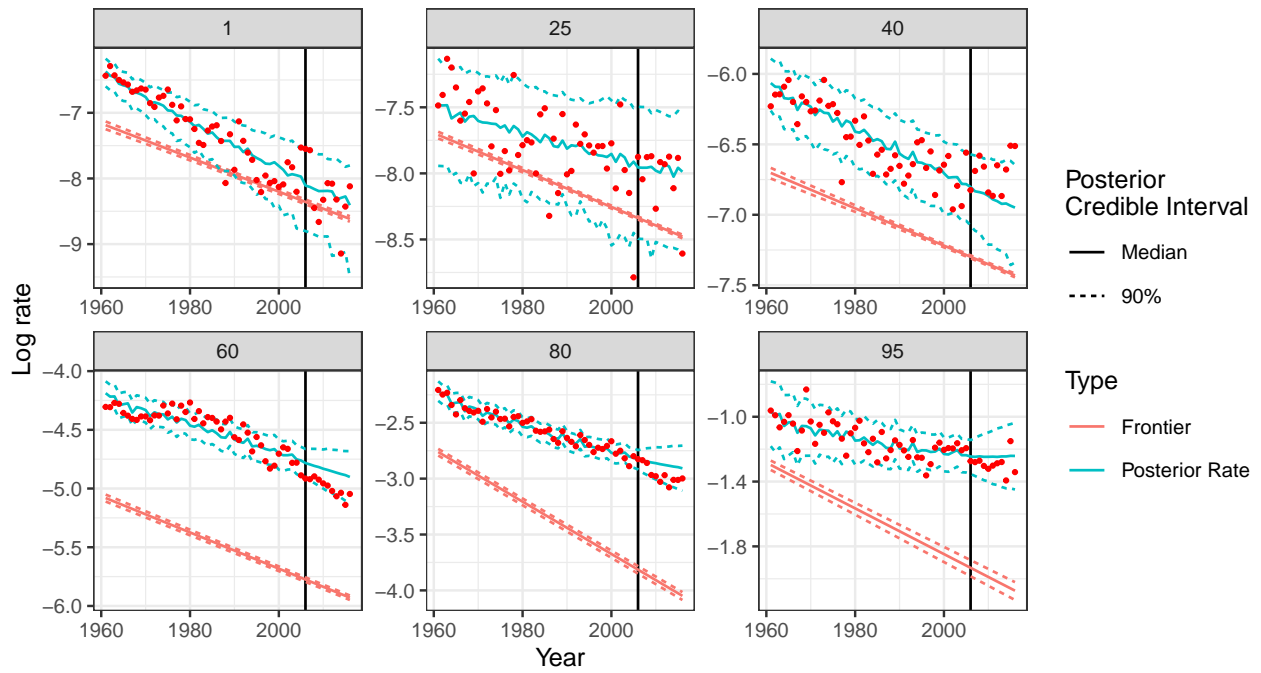## Log Rate Posterior for selected ages vs Empirical : France

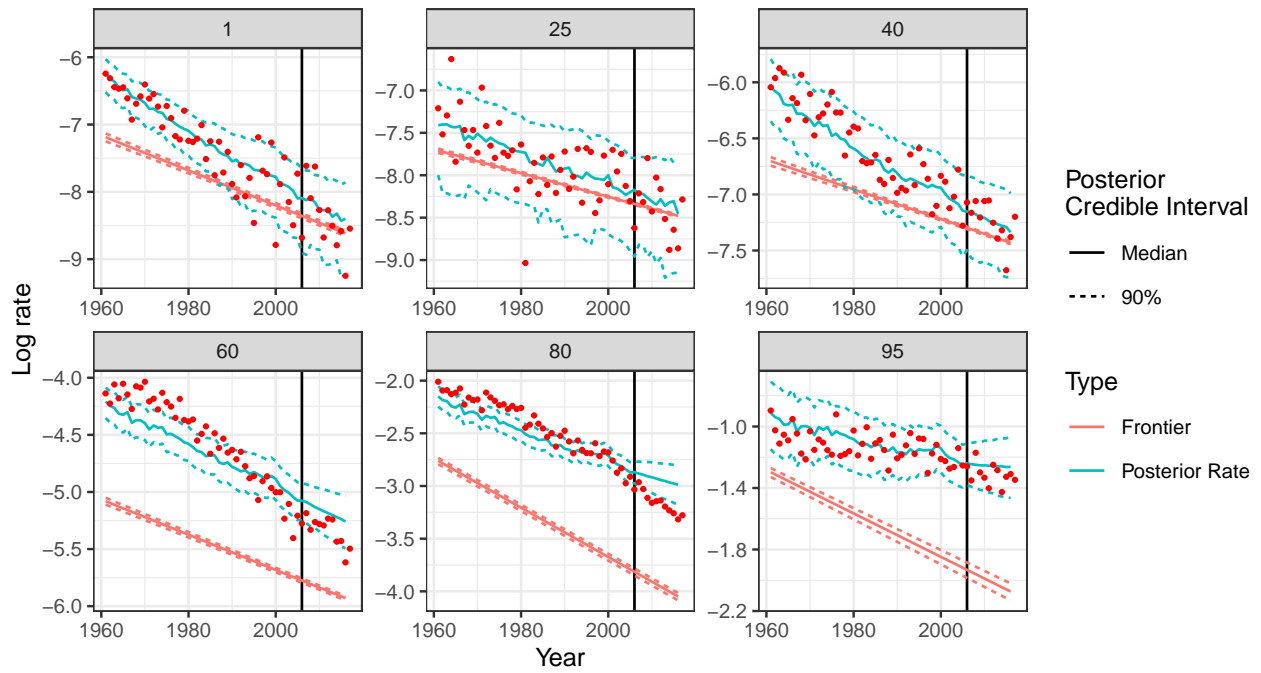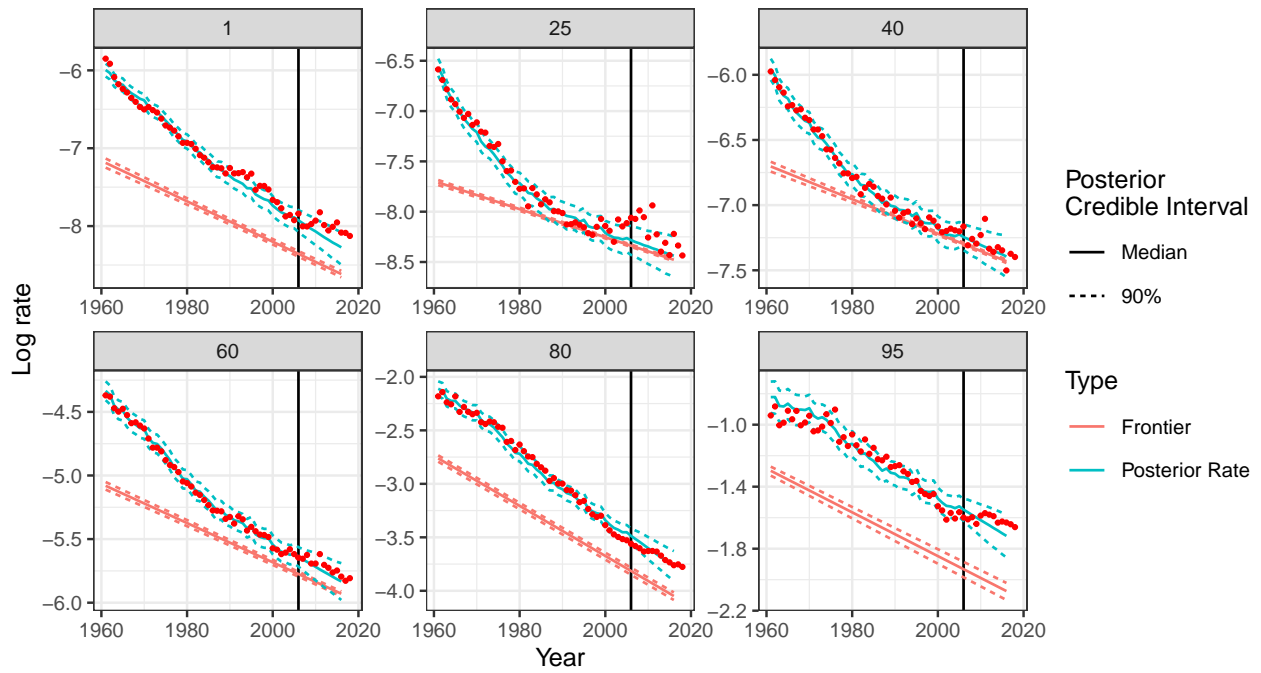## Log Rate Posterior for selected ages vs Empirical : England and Wales

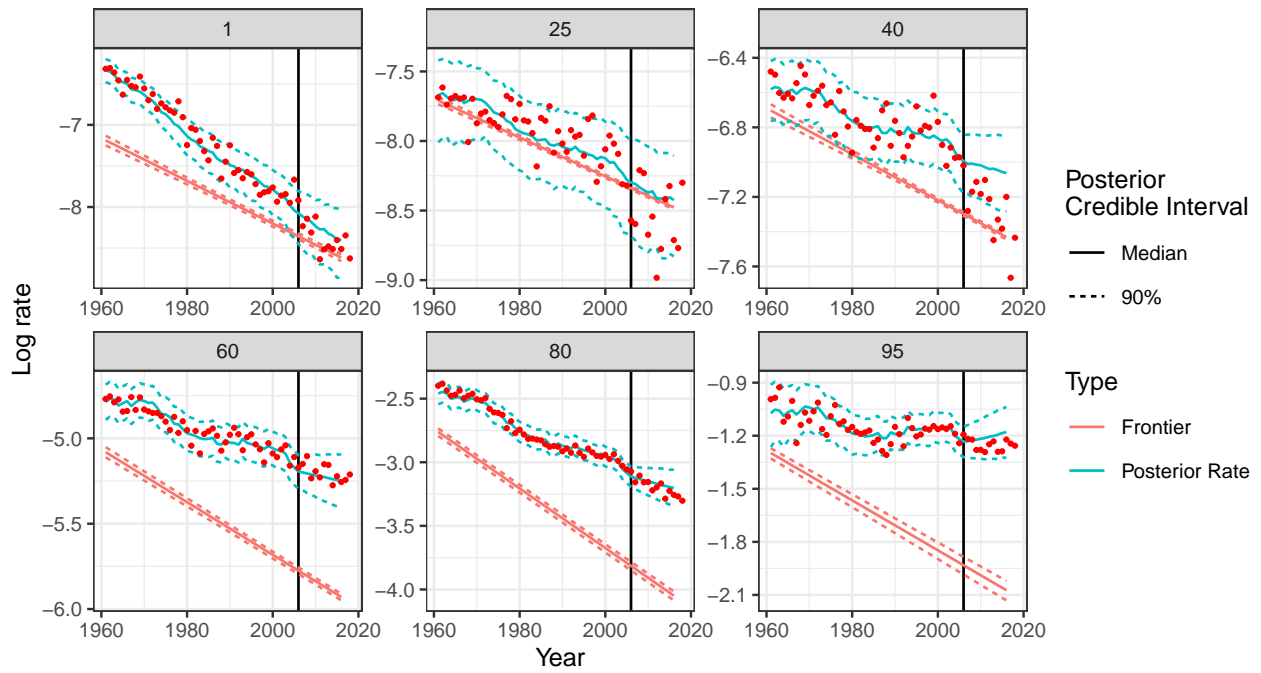Log Rate Posterior for selected ages vs Empirical : Scotland

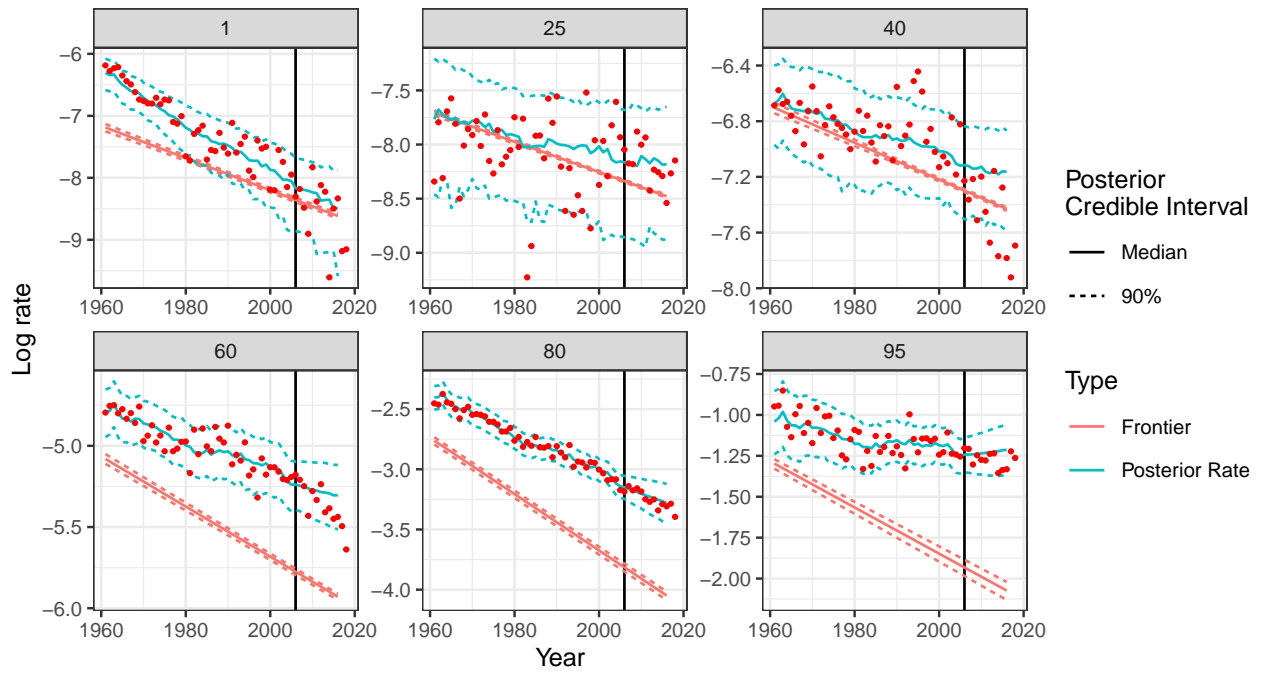Log Rate Posterior for selected ages vs Empirical : Ireland

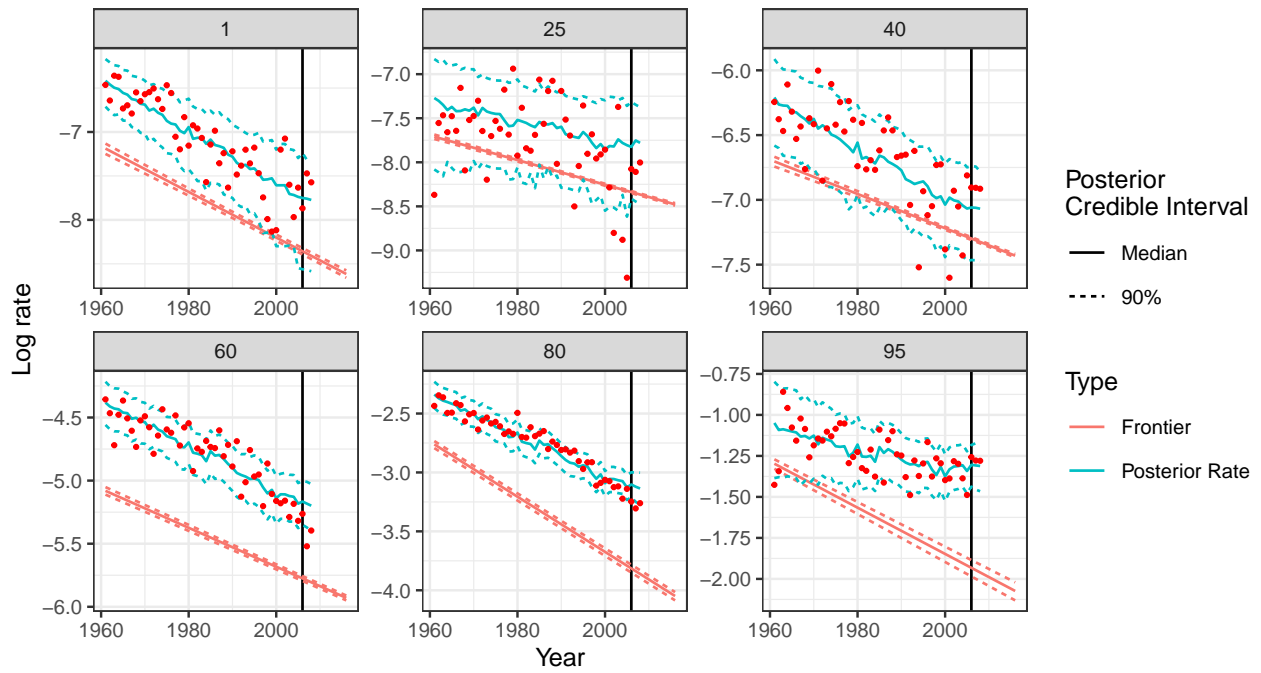Log Rate Posterior for selected ages vs Empirical : Japan

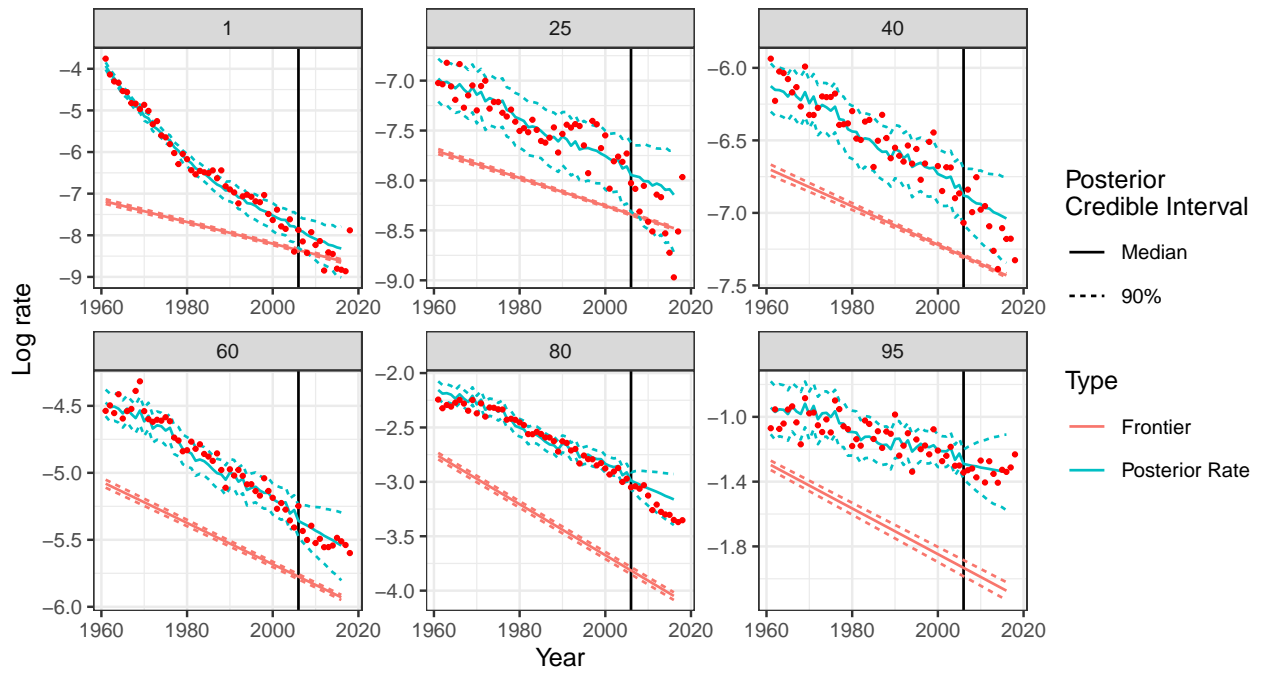Log Rate Posterior for selected ages vs Empirical : Netherlands

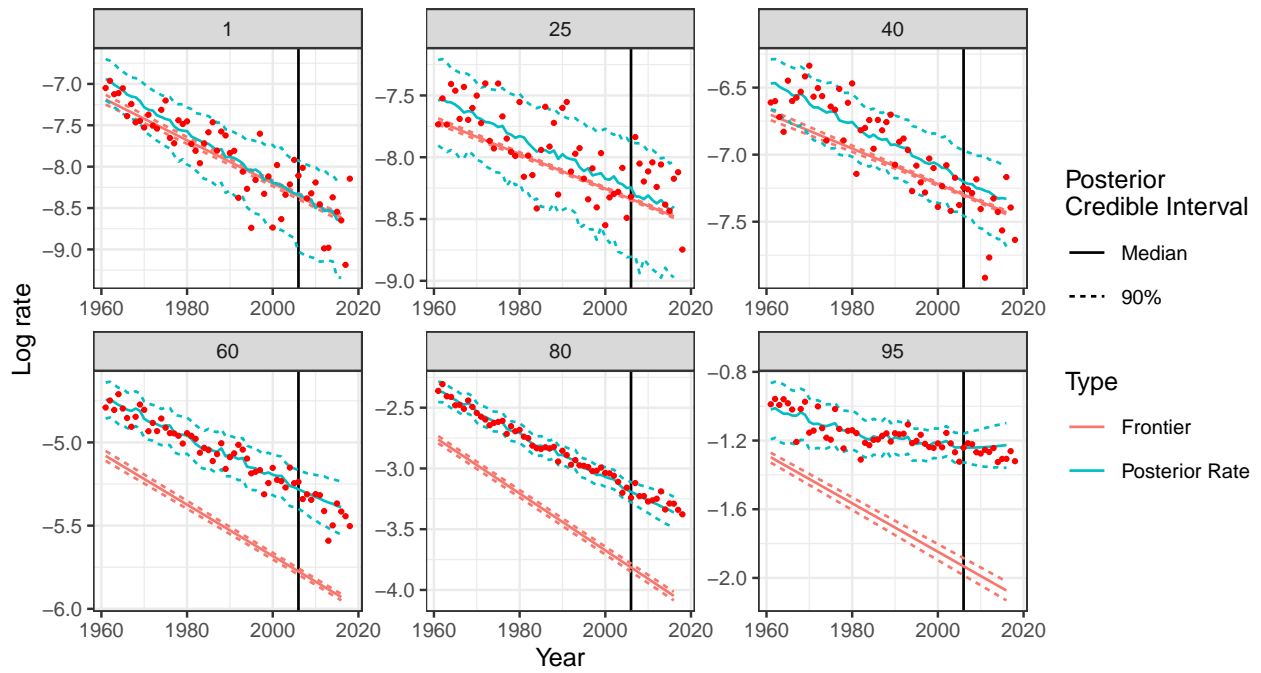Log Rate Posterior for selected ages vs Empirical : Norway

Log Rate Posterior for selected ages vs Empirical : New Zealand (non−Maori)
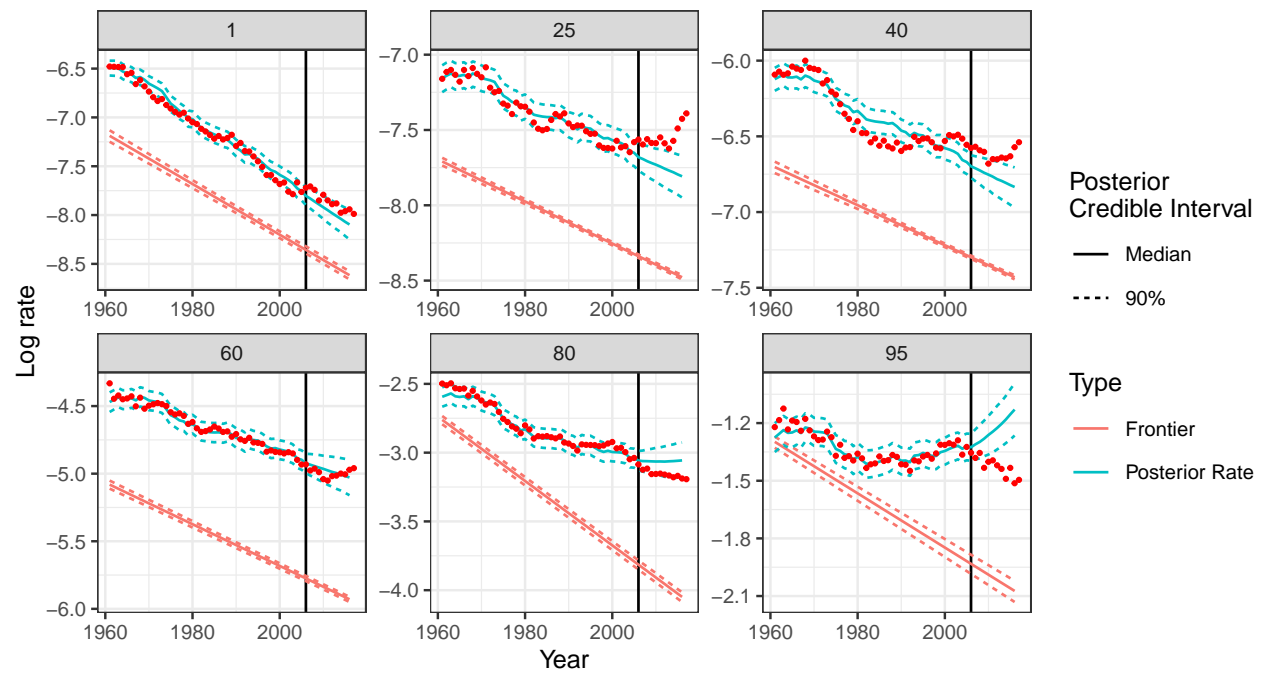
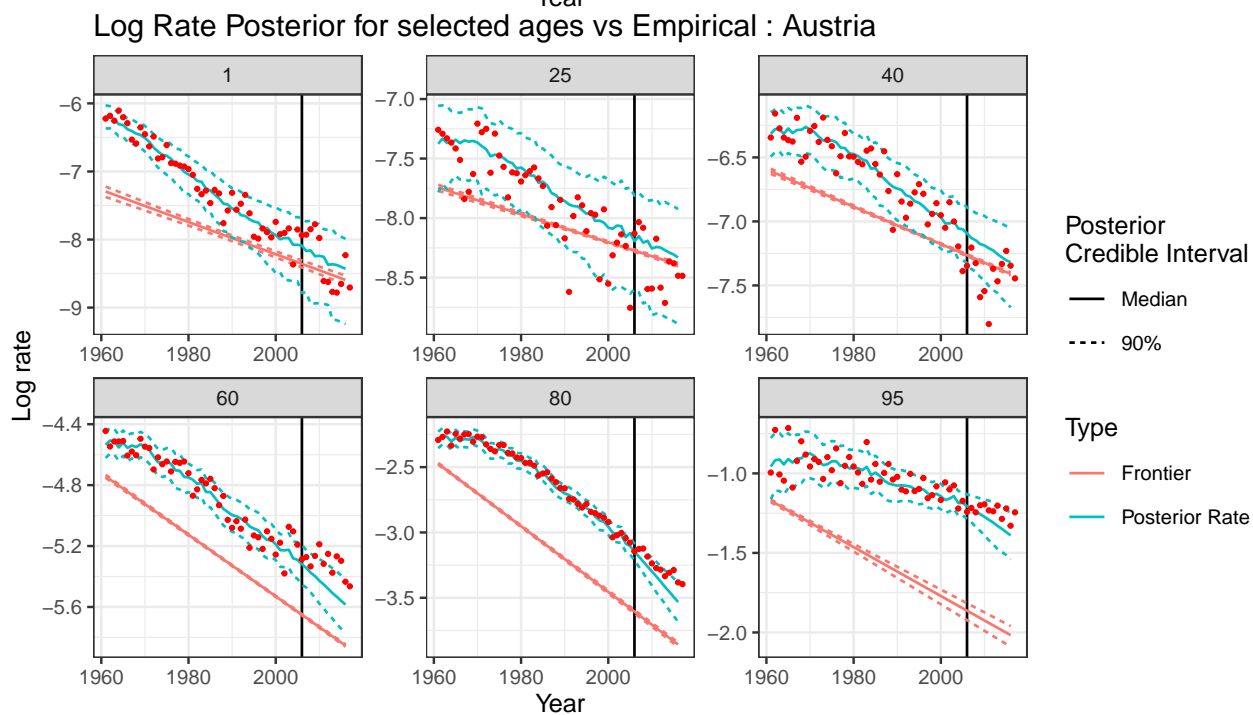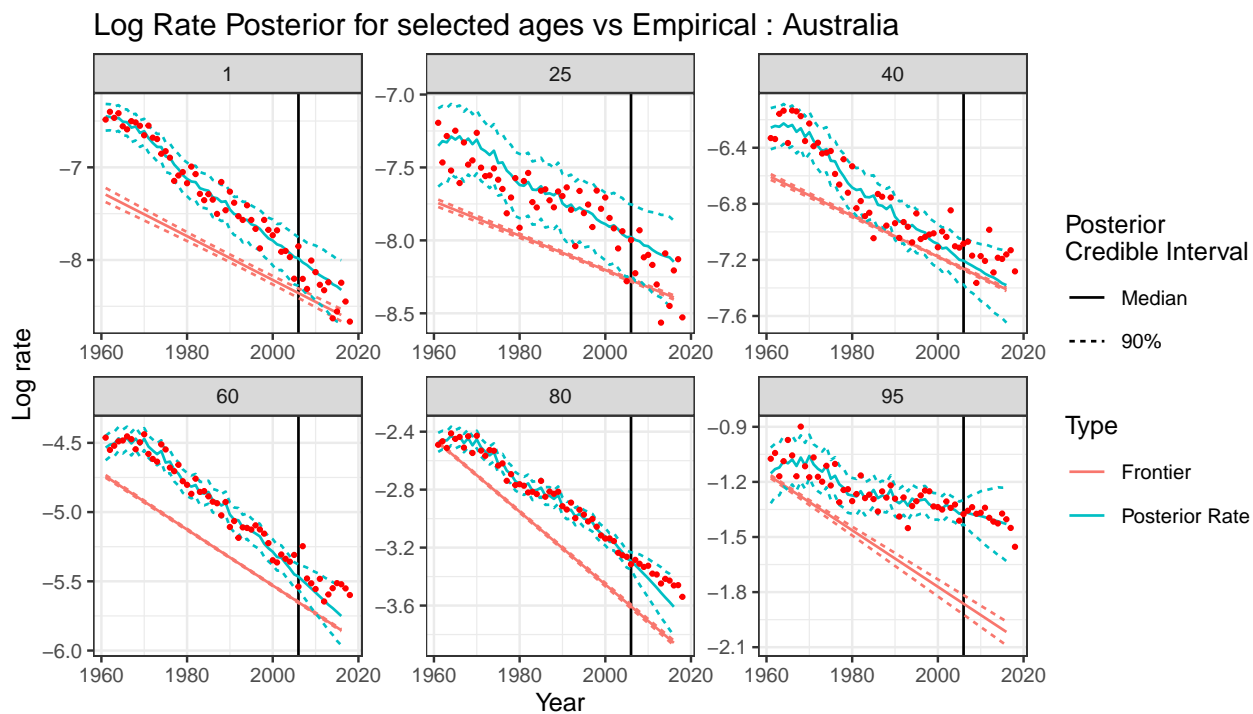Log Rate Posterior for selected ages vs Empirical : Portugal

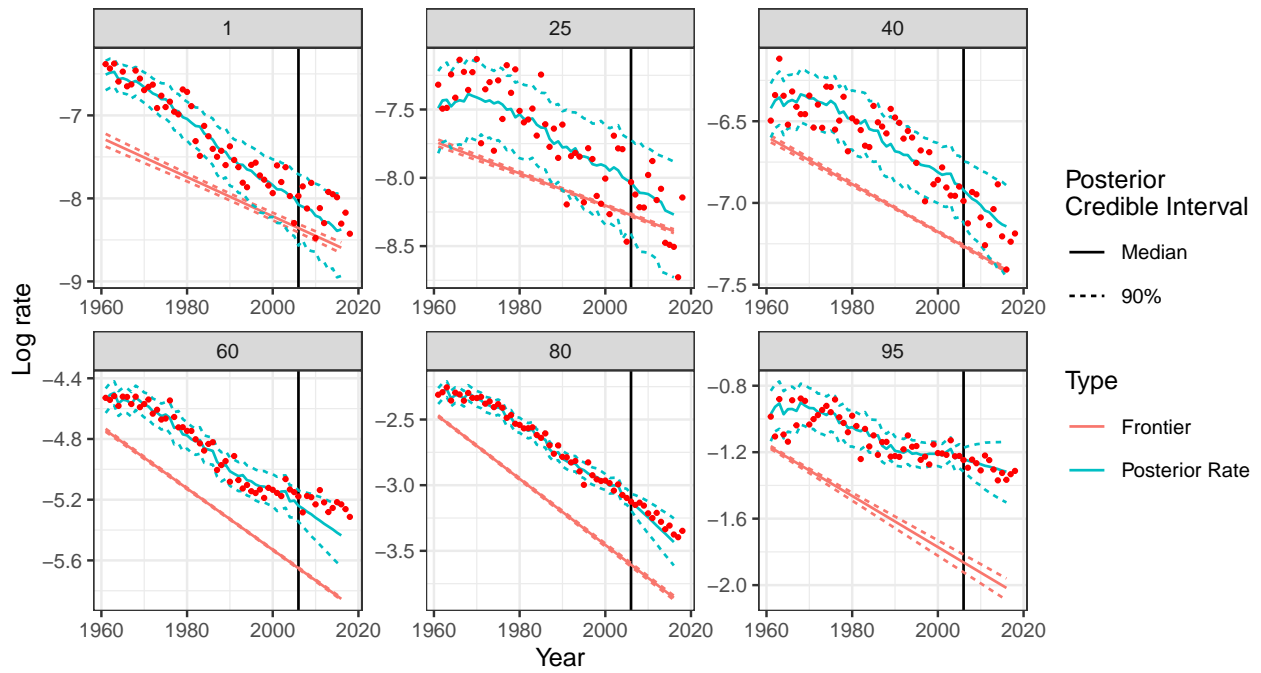Log Rate Posterior for selected ages vs Empirical : Sweden

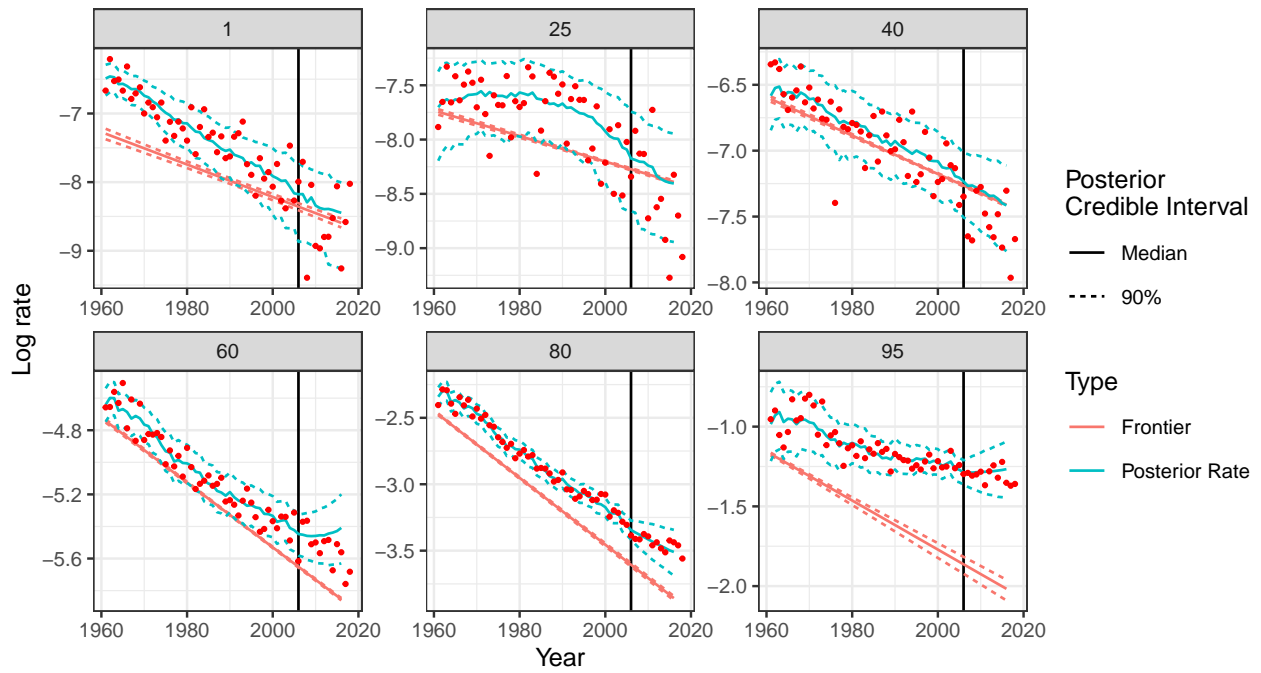Log Rate Posterior for selected ages vs Empirical : USA
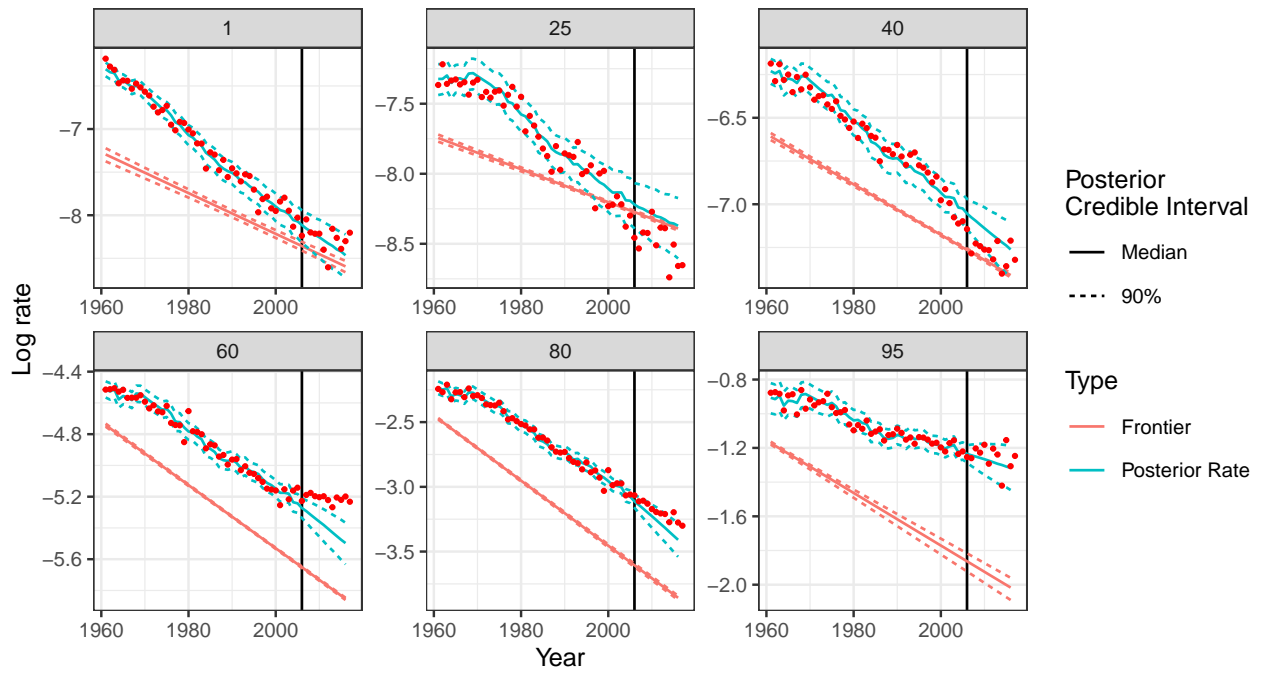
3 Country Forecast Plots - Quadratic Model

Log Rate Posterior for selected ages vs Empirical : Australia

Log Rate Posterior for selected ages vs Empirical : Austria

Log Rate Posterior for selected ages vs Empirical : Belgium
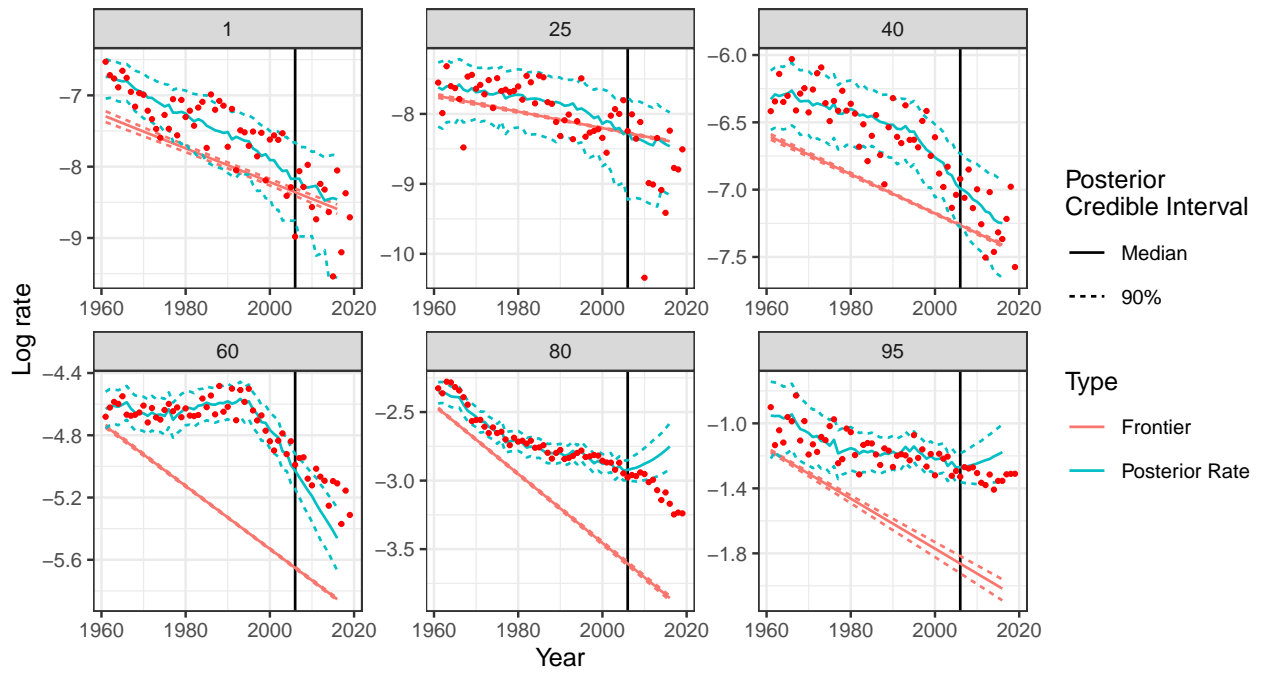

Log Rate Posterior for selected ages vs Empirical : Switzerland

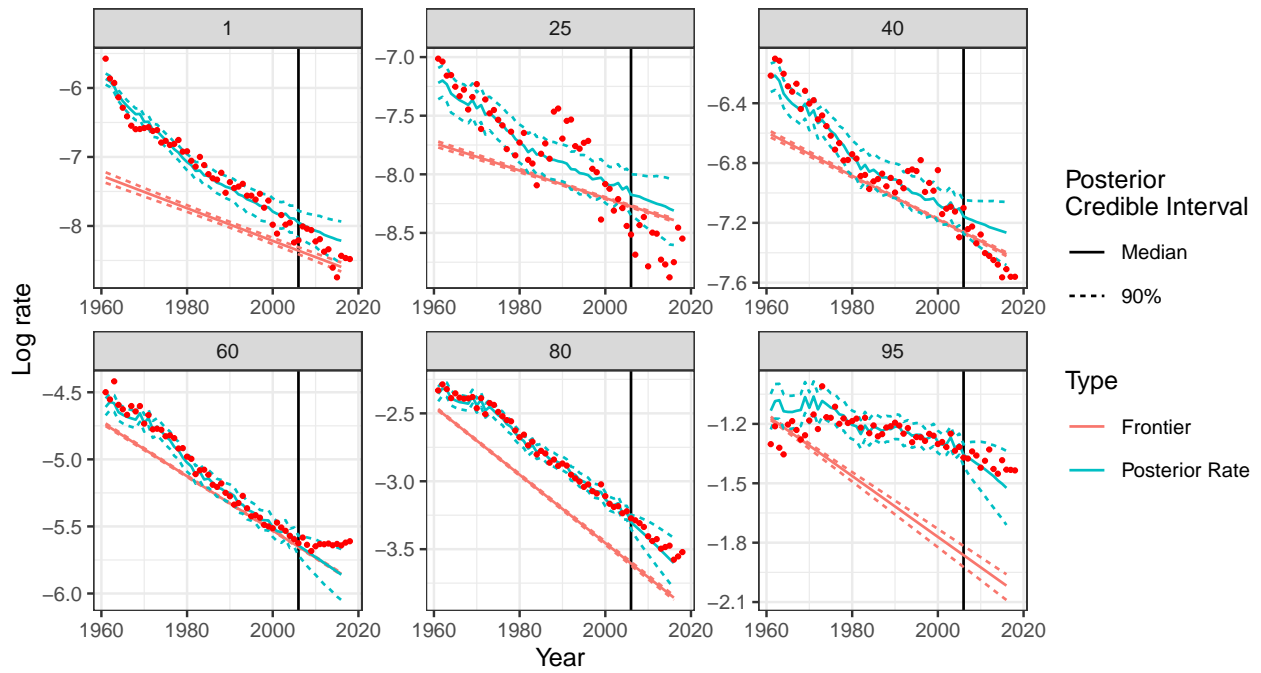Log Rate Posterior for selected ages vs Empirical : West Germany

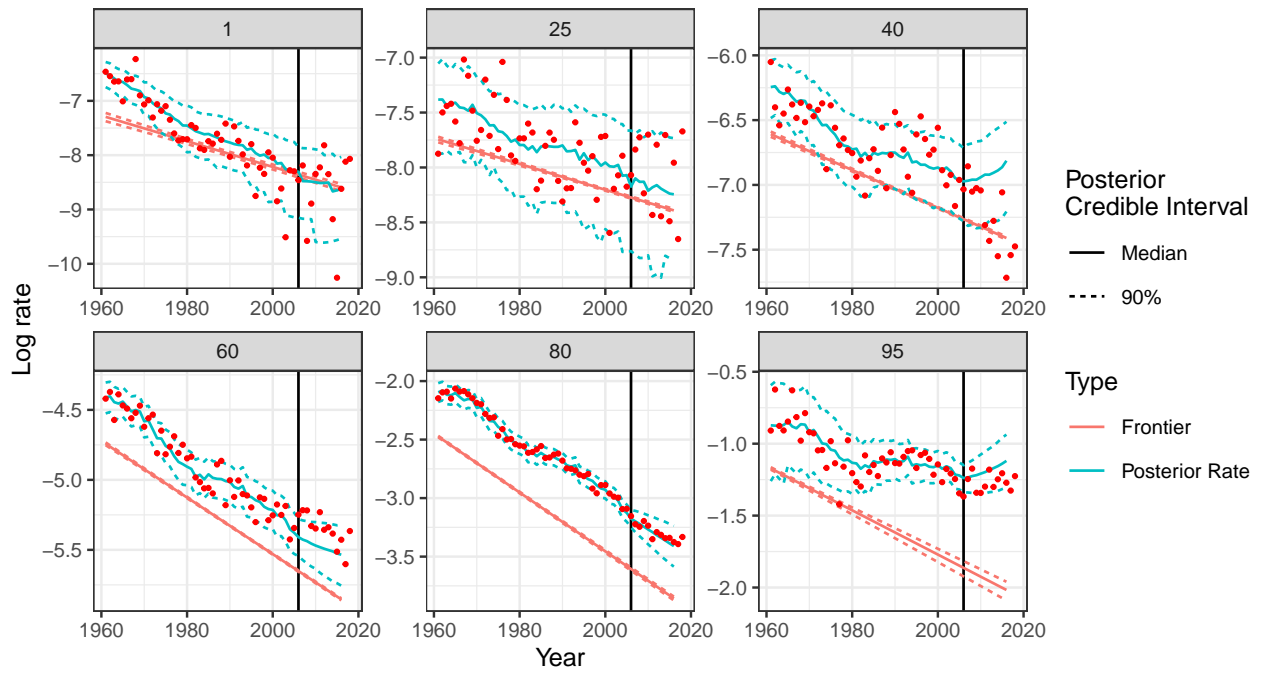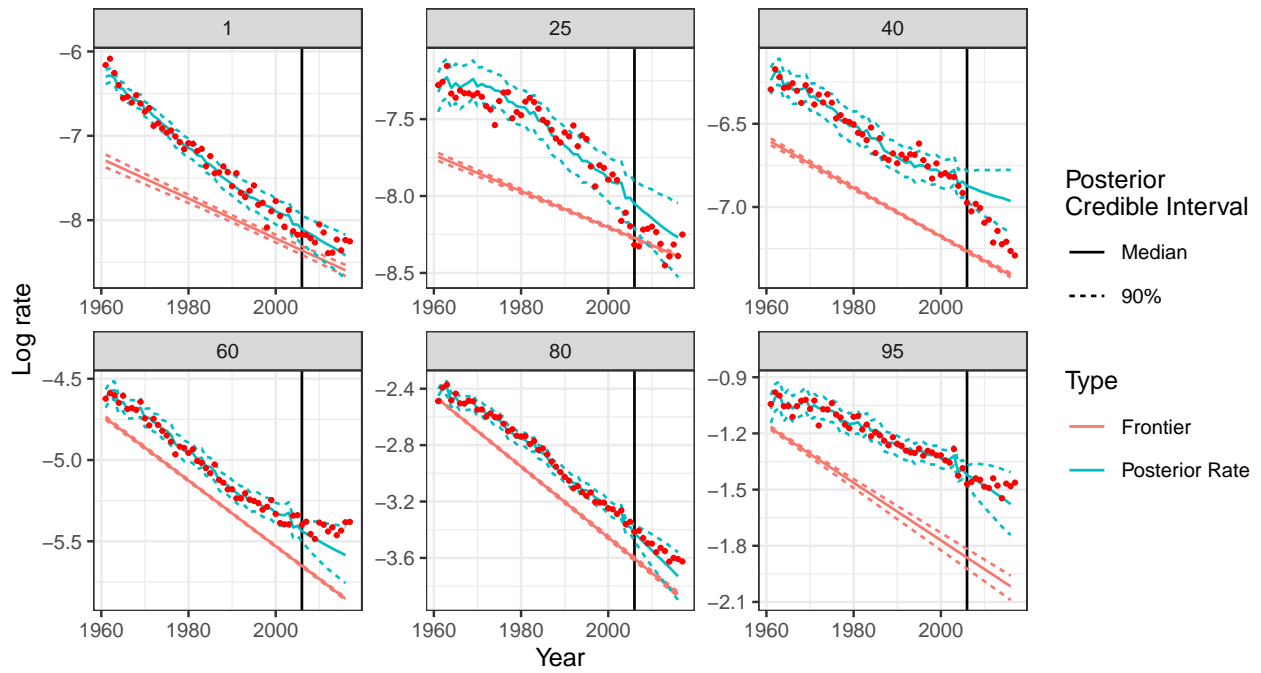Log Rate Posterior for selected ages vs Empirical : Denmark

24

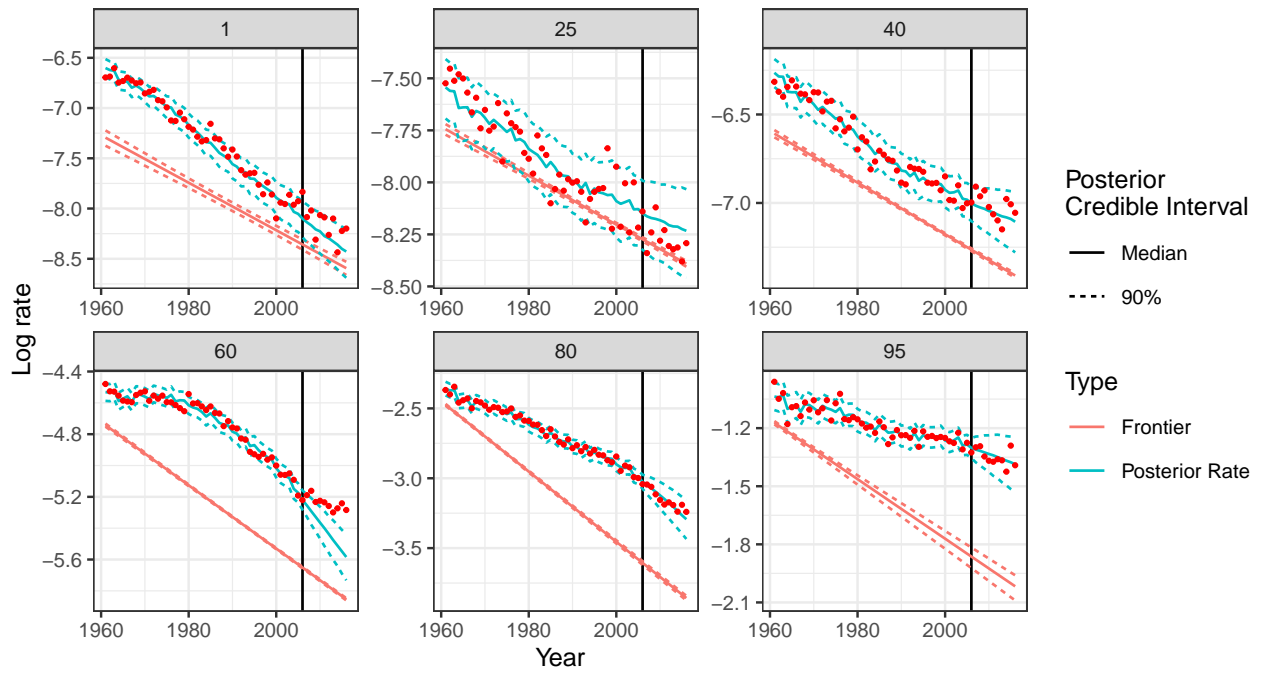Log Rate Posterior for selected ages vs Empirical : Spain

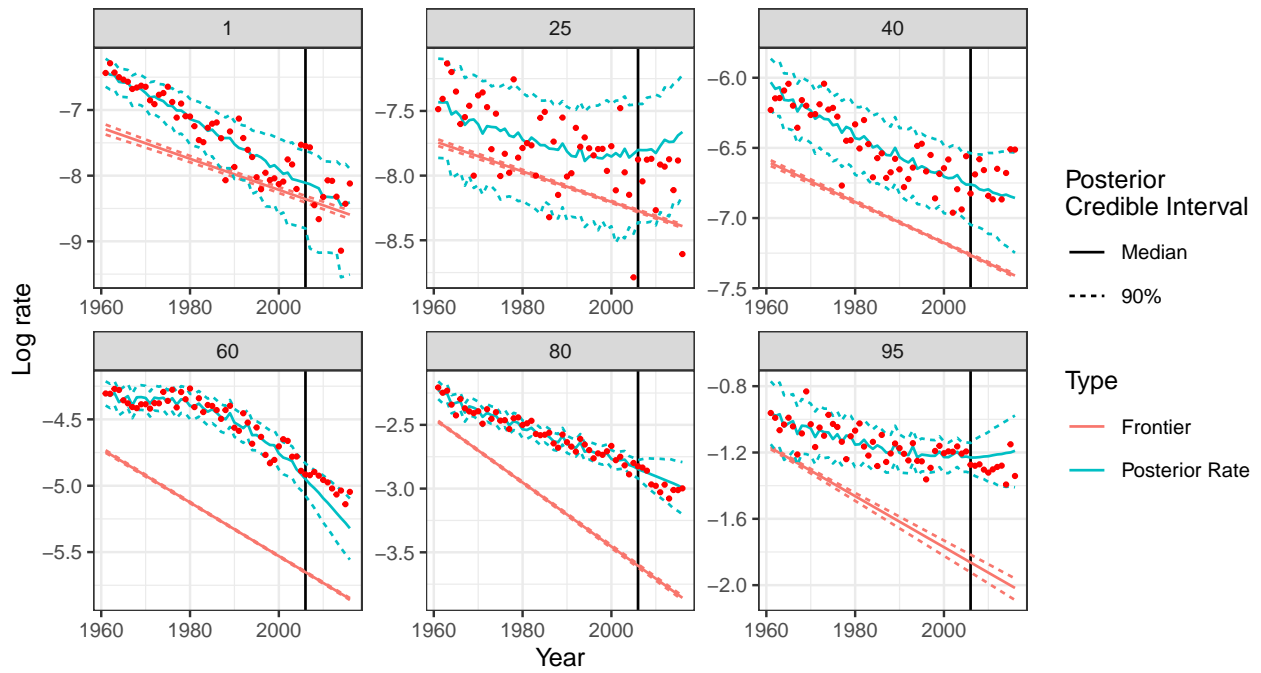Log Rate Posterior for selected ages vs Empirical : Finland

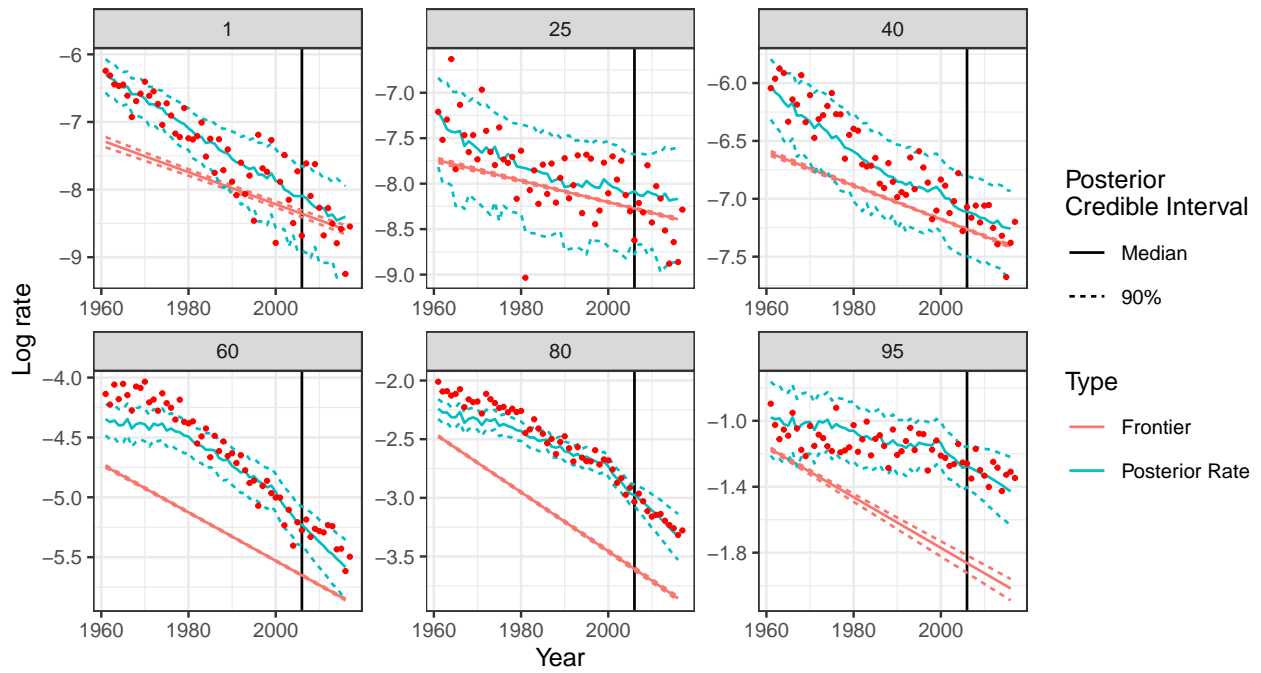Log Rate Posterior for selected ages vs Empirical : France

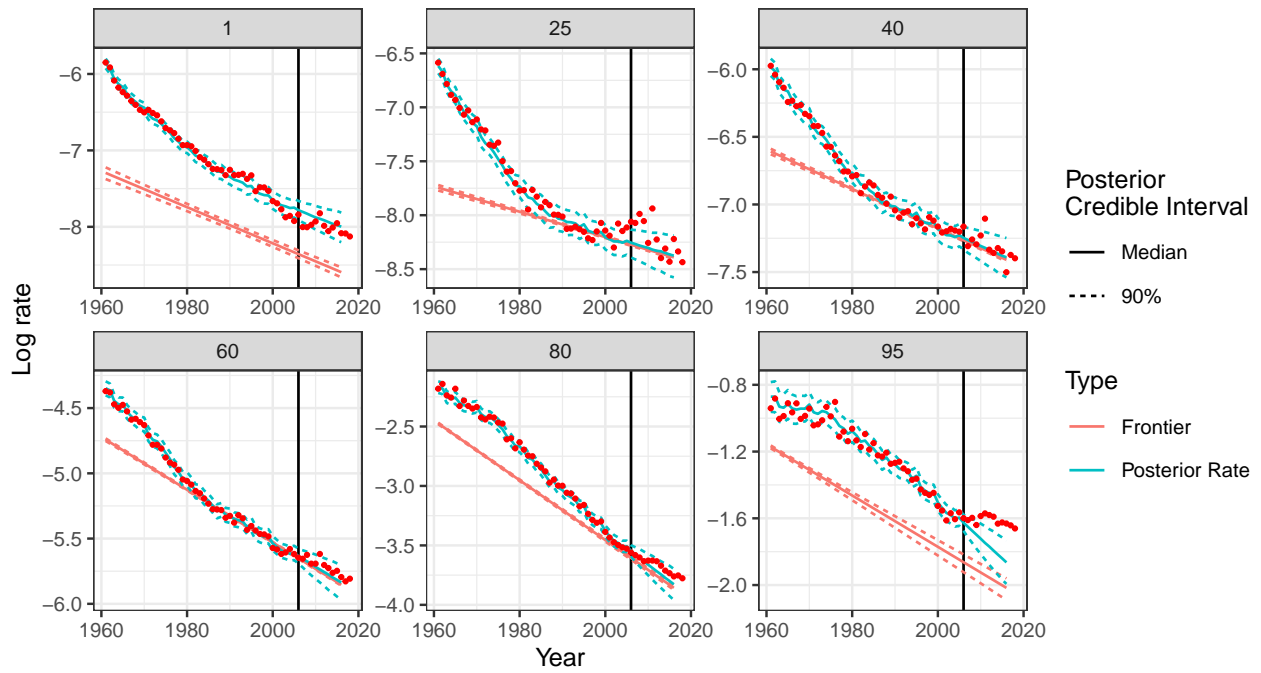Log Rate Posterior for selected ages vs Empirical : England and Wales

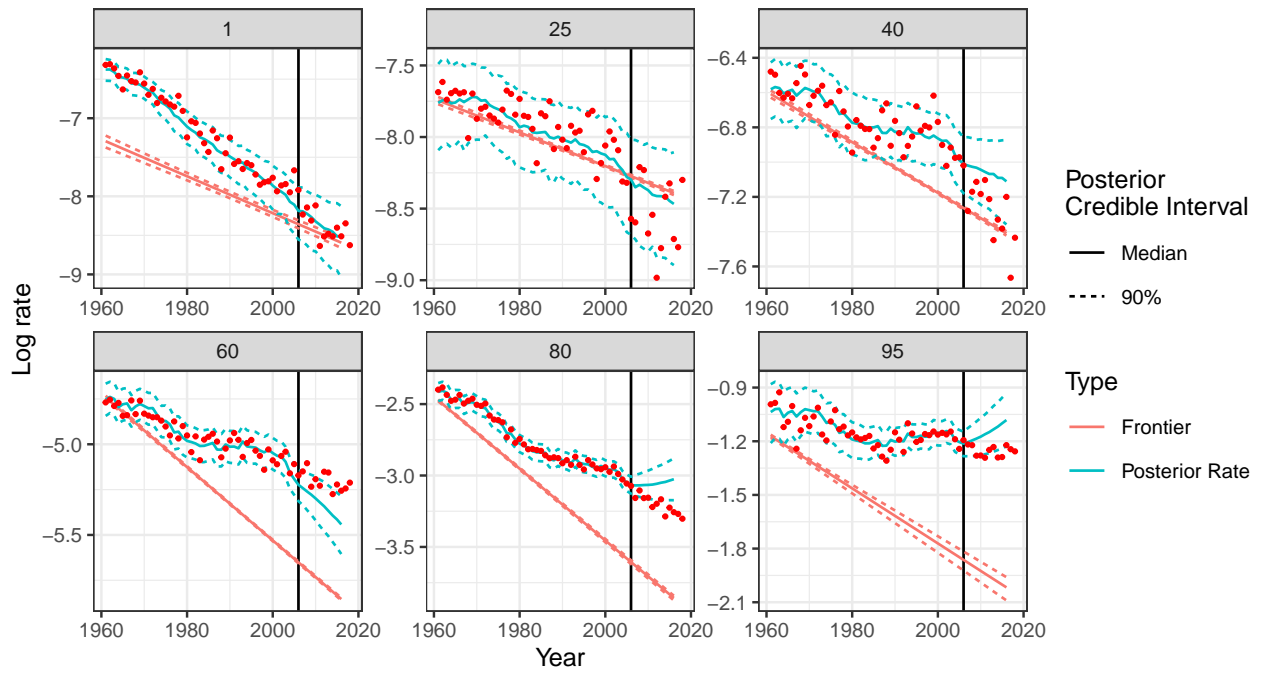# Log Rate Posterior for selected ages vs Empirical : Scotland

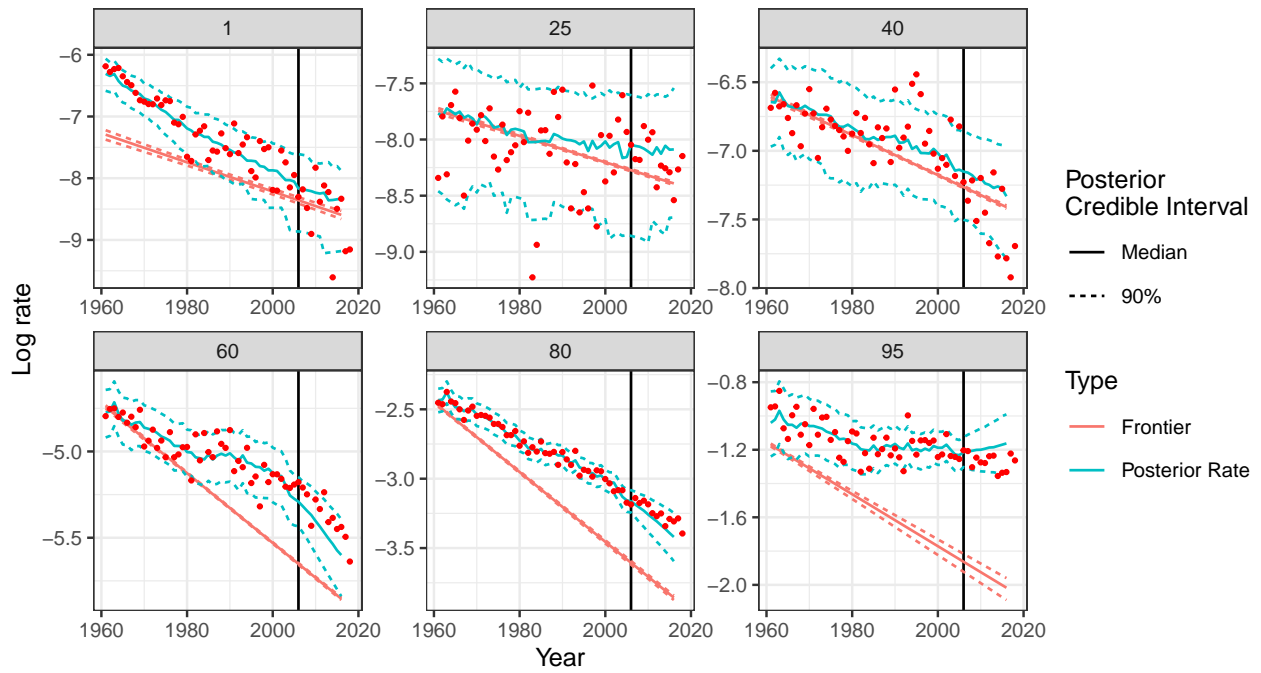# Log Rate Posterior for selected ages vs Empirical : Ireland

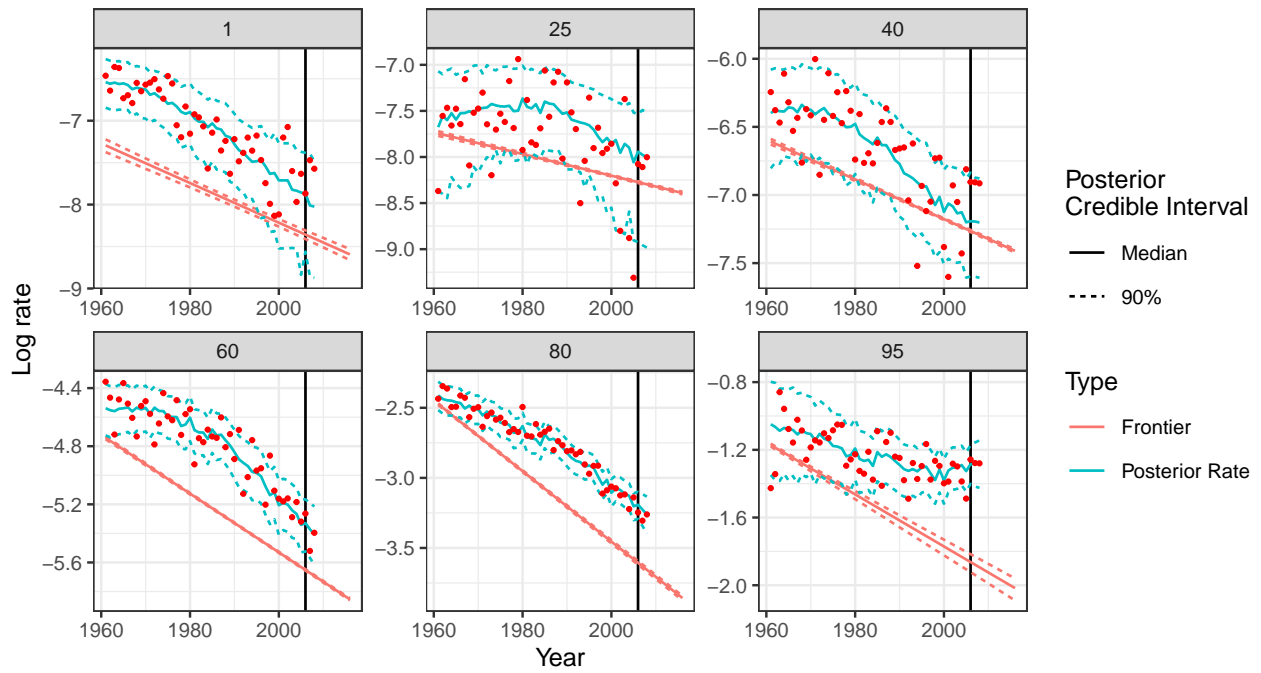Log Rate Posterior for selected ages vs Empirical : Japan

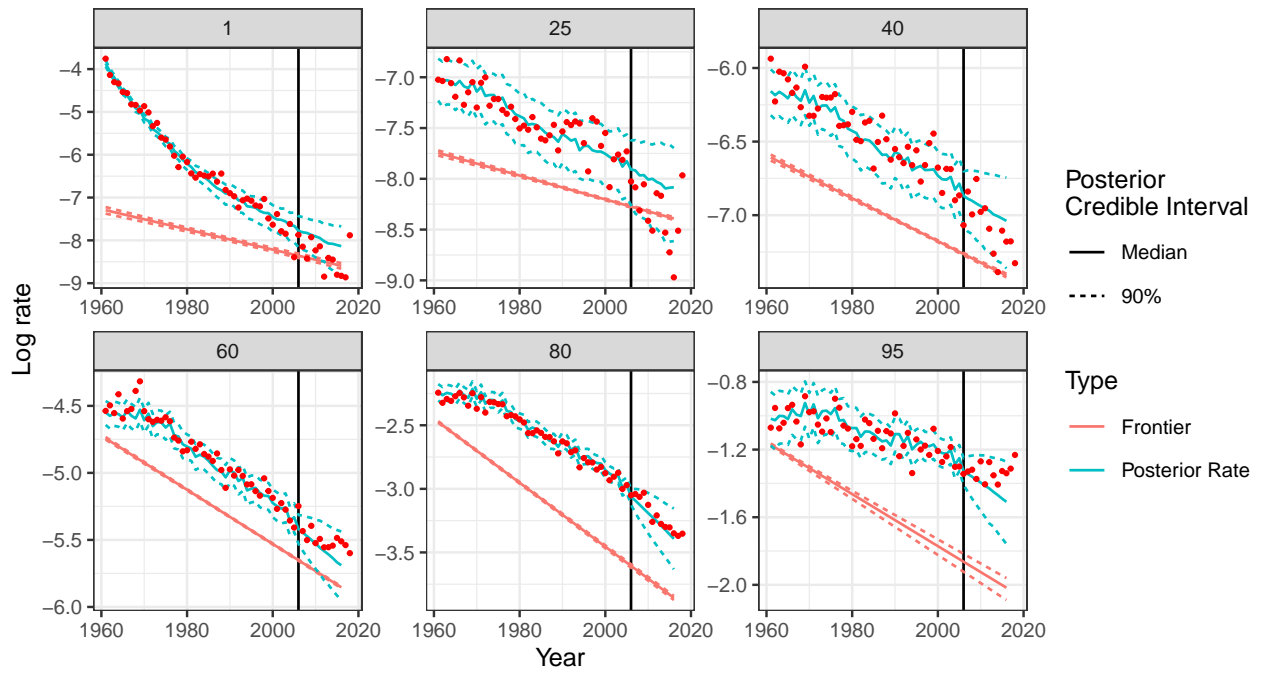Log Rate Posterior for selected ages vs Empirical : Netherlands

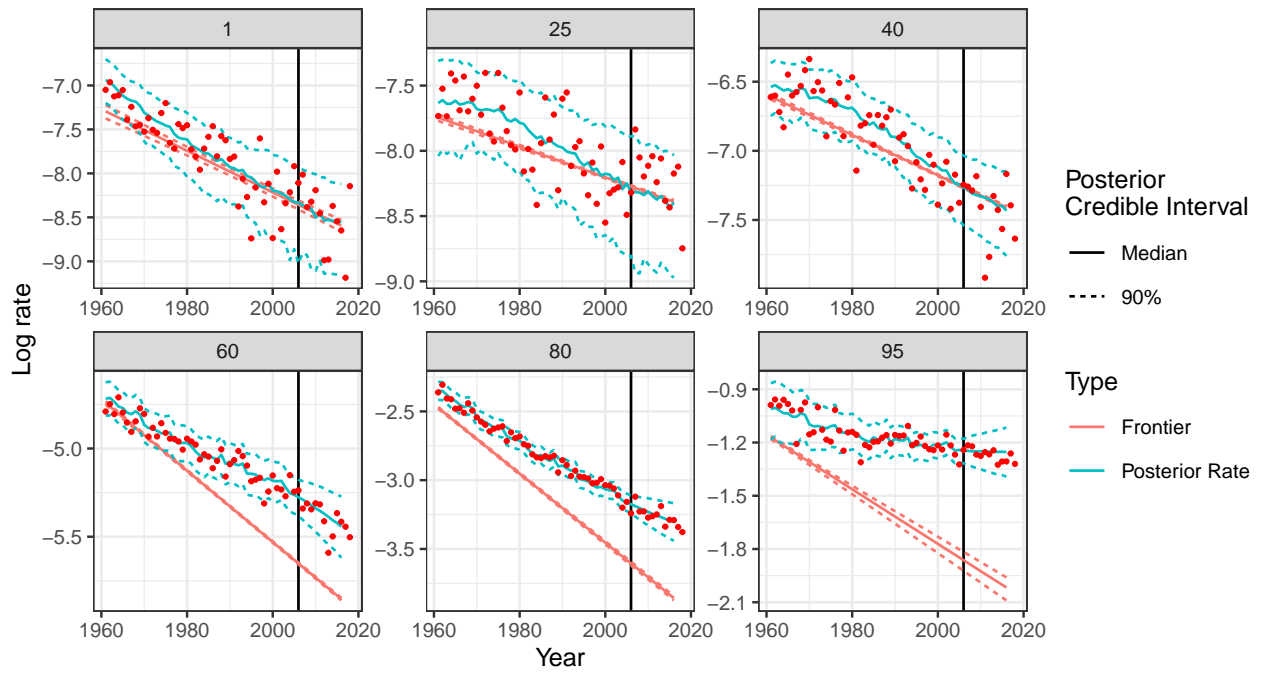Log Rate Posterior for selected ages vs Empirical : Norway

Log Rate Posterior for selected ages vs Empirical : New Zealand (non–Maori)

Log Rate Posterior for selected ages vs Empirical : Portugal

Log Rate Posterior for selected ages vs Empirical : Sweden

Log Rate Posterior for selected ages vs Empirical : USA