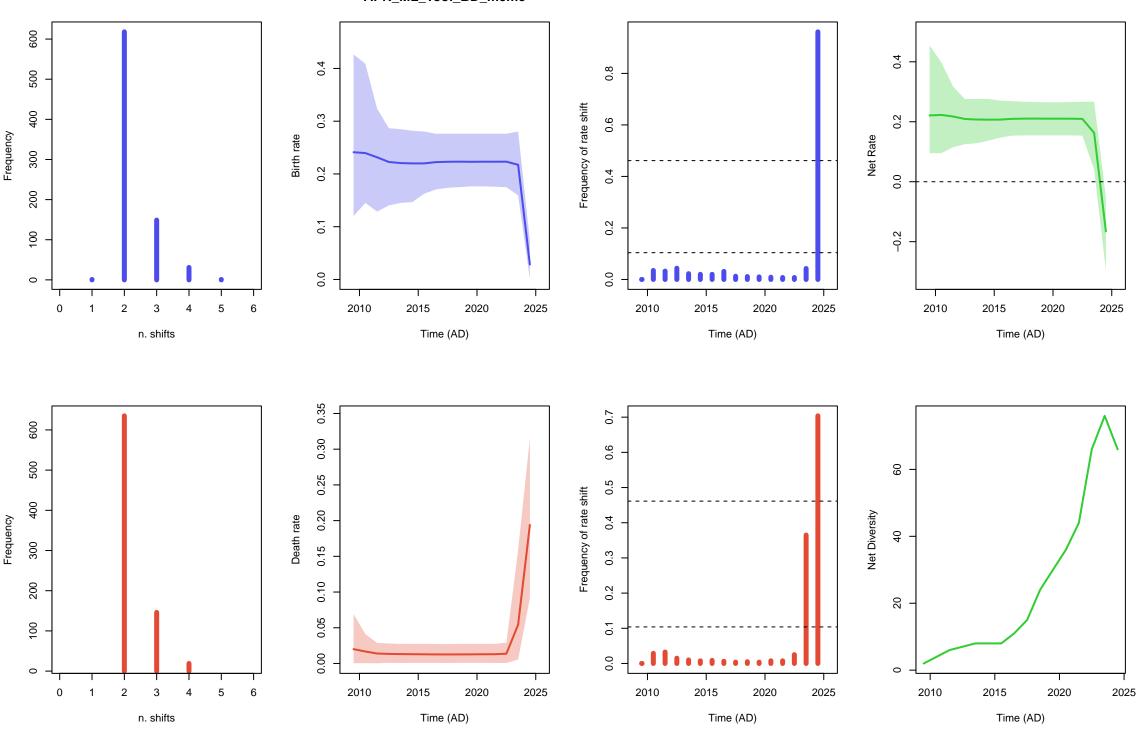
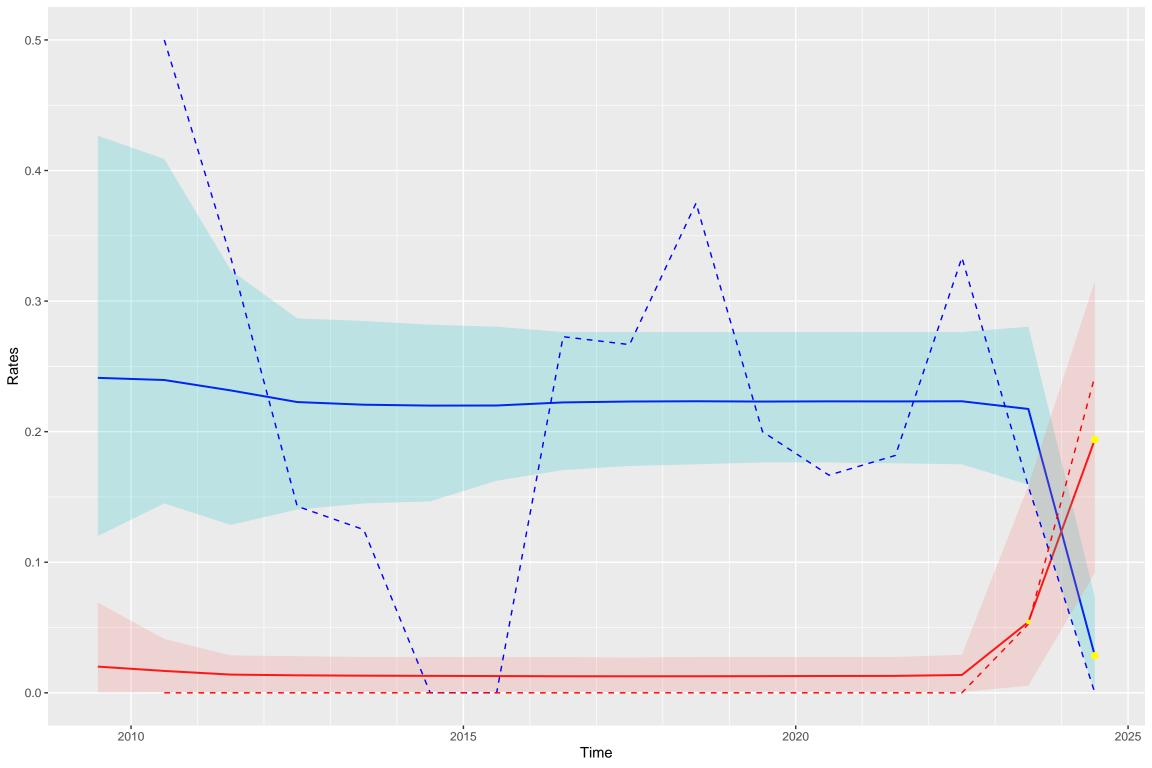
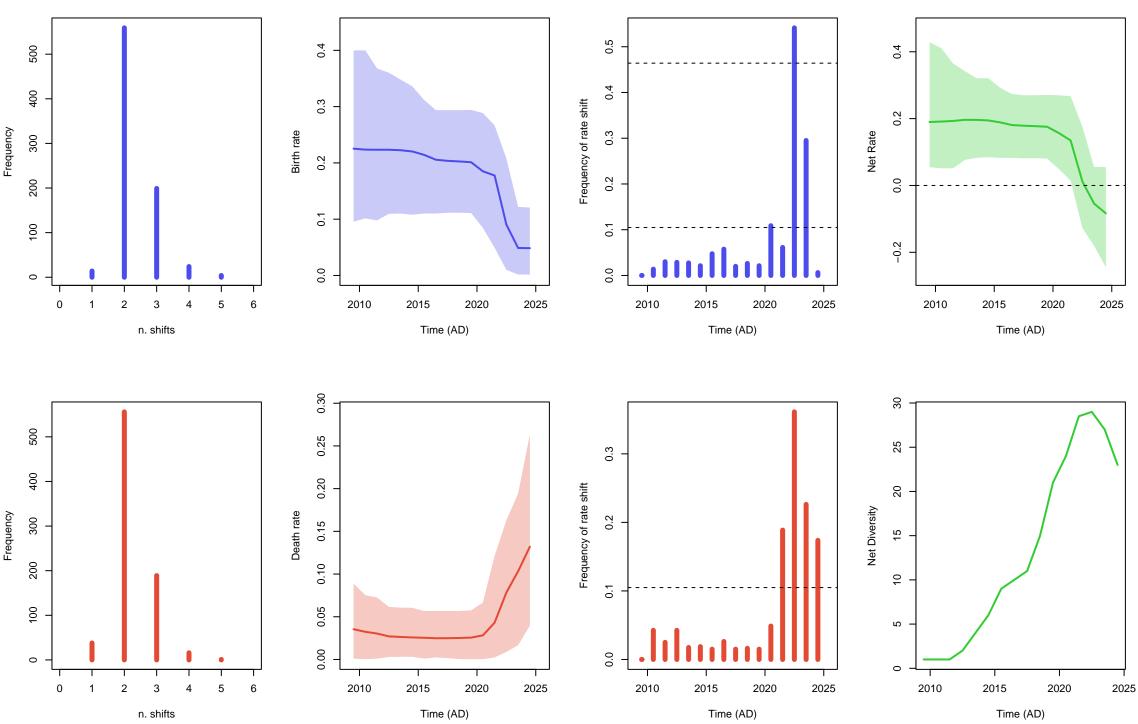
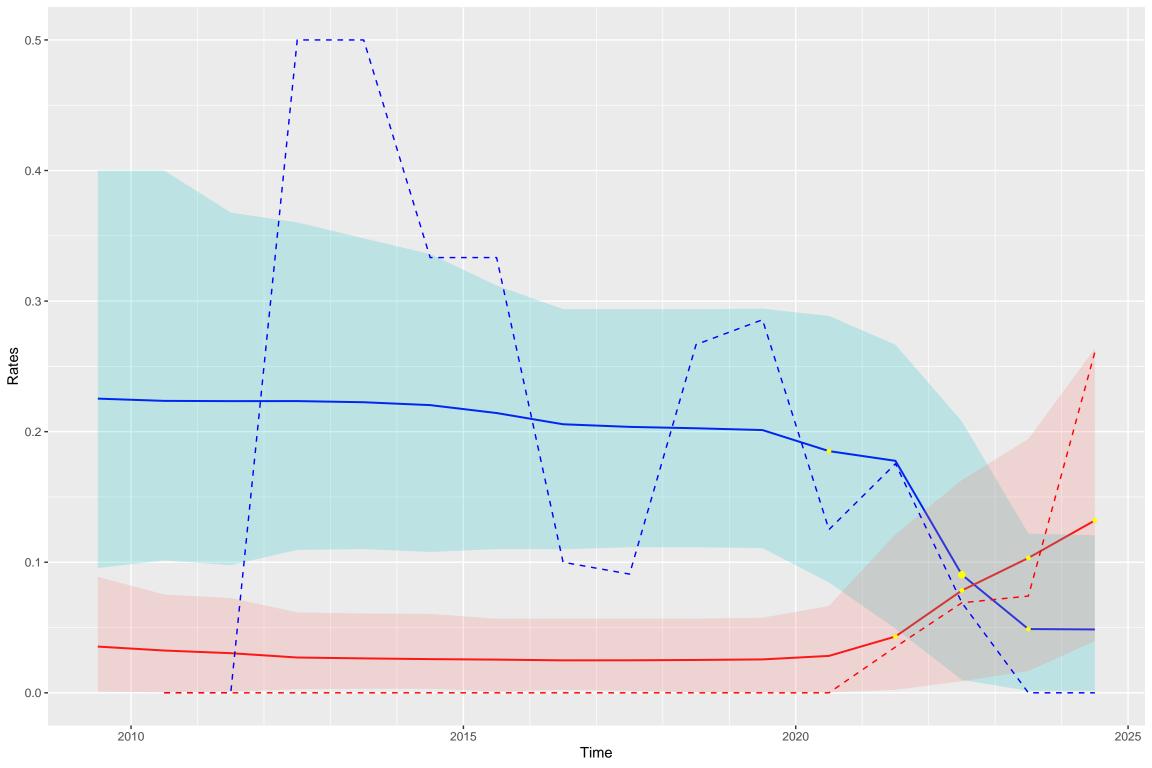
APR_ML_Tool_BD_mcmc





Developer_Efficiency_Aid_BD_mcmc





Fault_Localization_BD_mcmc 0.20 0.5 0.4 400 0.4 0.15 0.3 Frequency of rate shift 300 0.3 0.2 Birth rate Net Rate Frequency 0.10 0.1 0.2 0.0 0.05 100 0.1 -0.1 0.00 0.0 -0.2 2015 2020 2025 2015 2020 2025 2015 2020 2025 0 2 3 5 Time (AD) Time (AD) Time (AD) n. shifts 0.20 0.25 400 0.20 0.15 9 Frequency of rate shift 300 0.15 2 Net Diversity Frequency Death rate 0.10 200 0.10 က 100 0.05 7 0.00 0.00

2015

0

2

3

n. shifts

5

2020

Time (AD)

2025

2015

2020

Time (AD)

2025

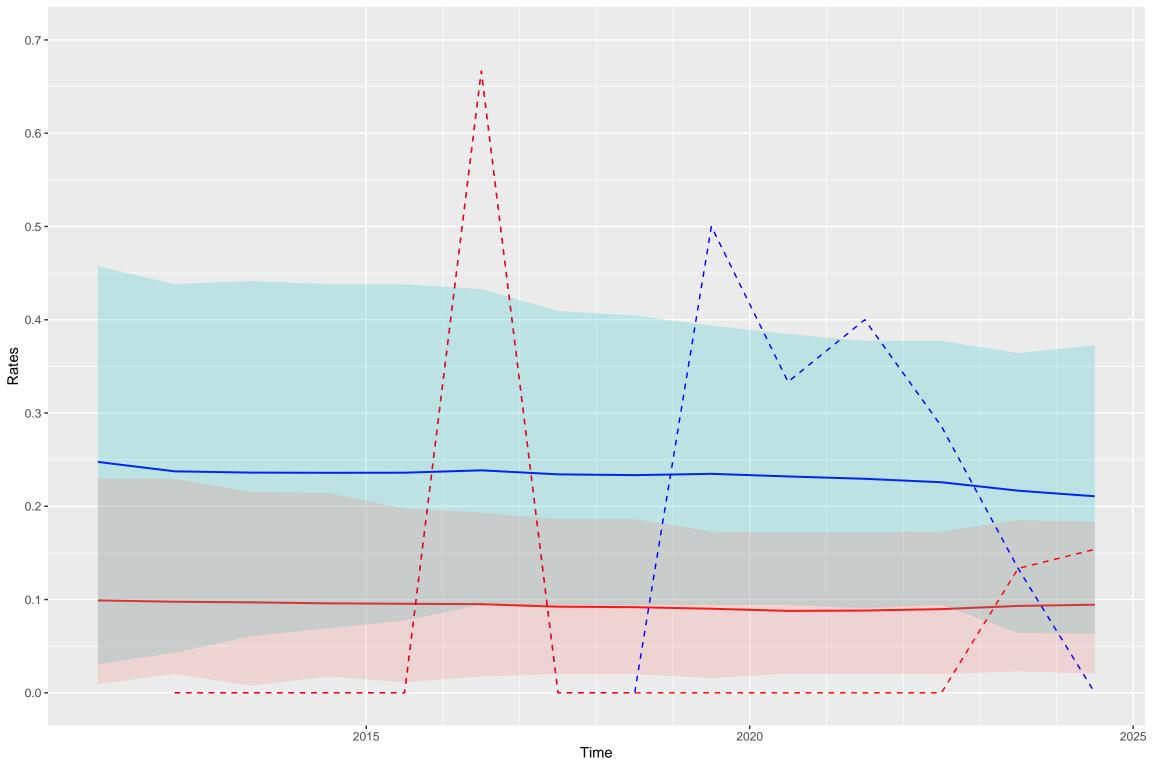
2012

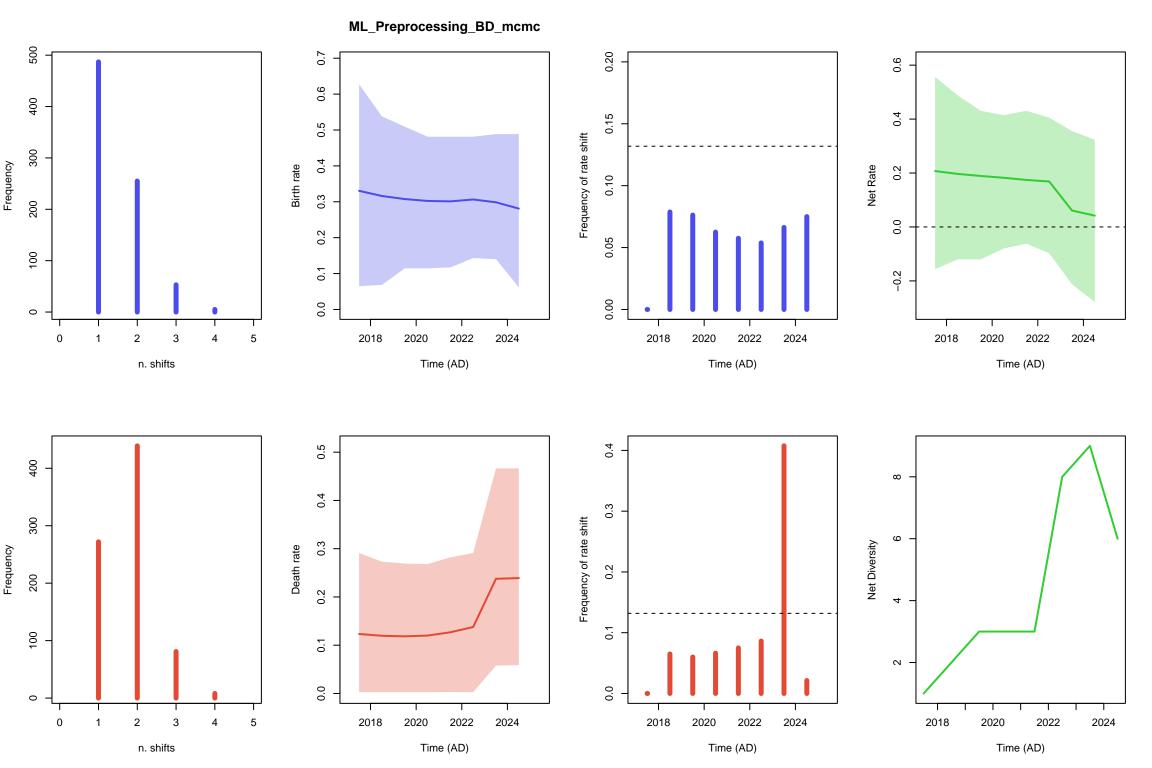
2016

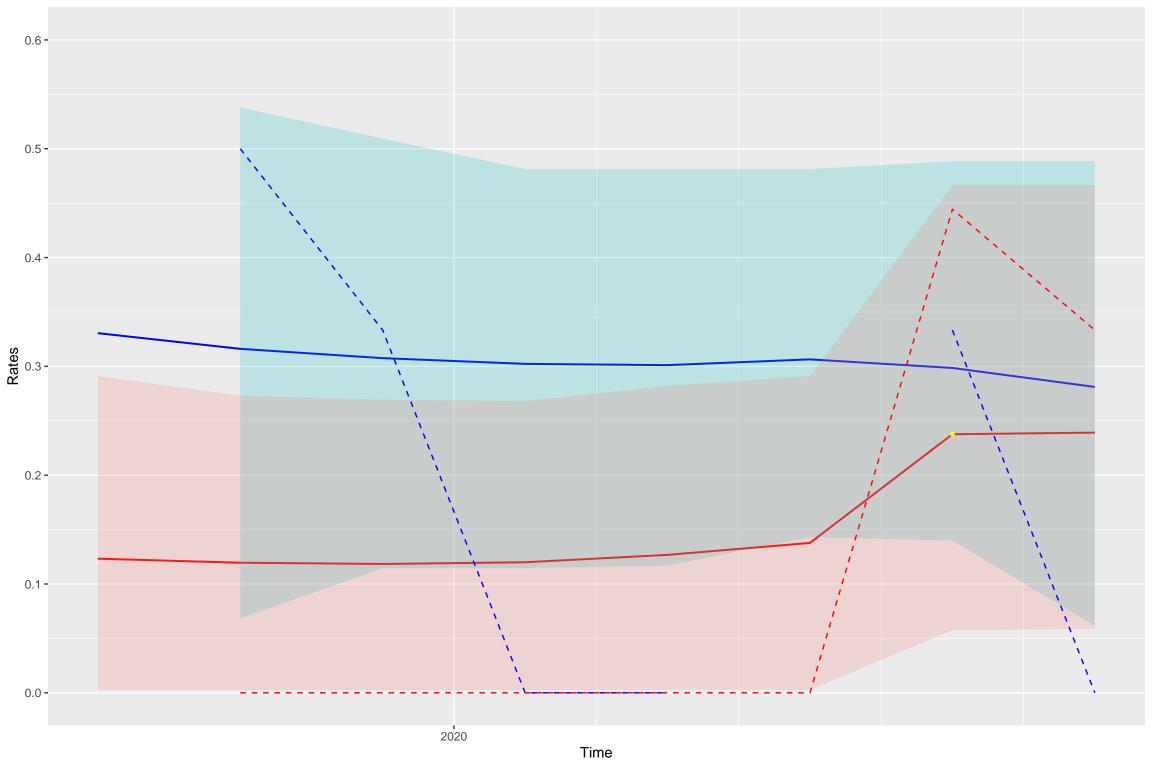
Time (AD)

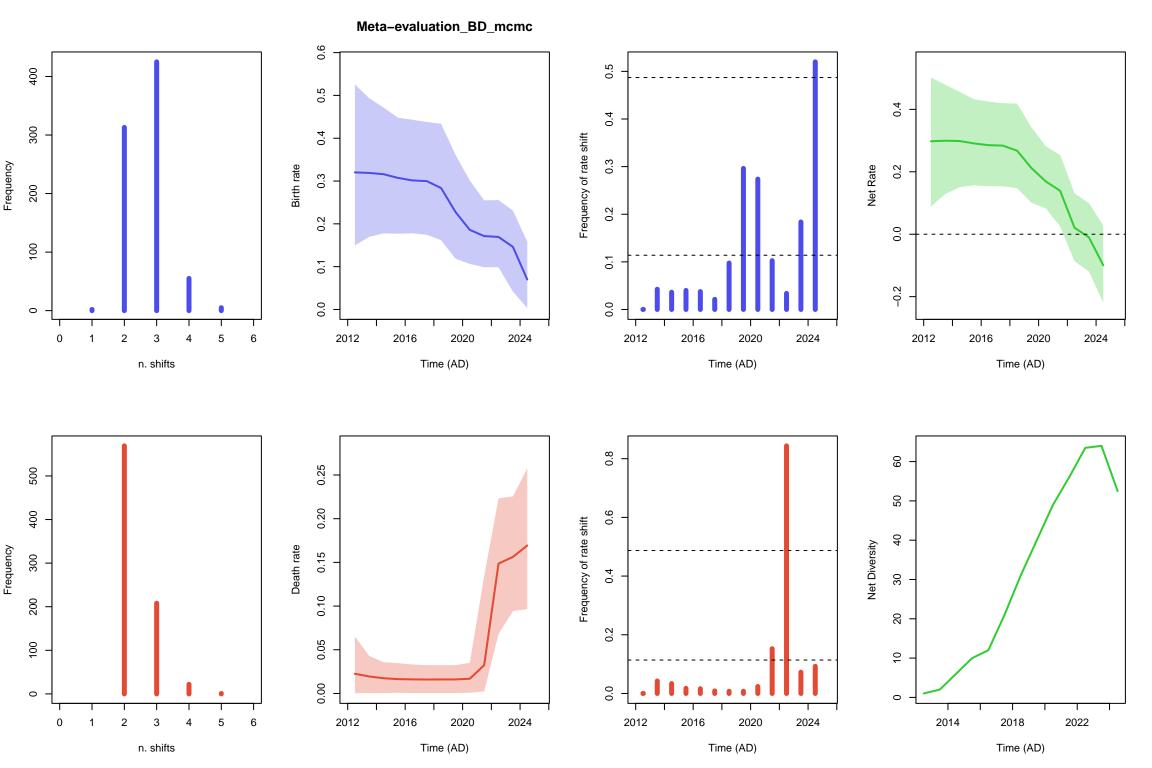
2020

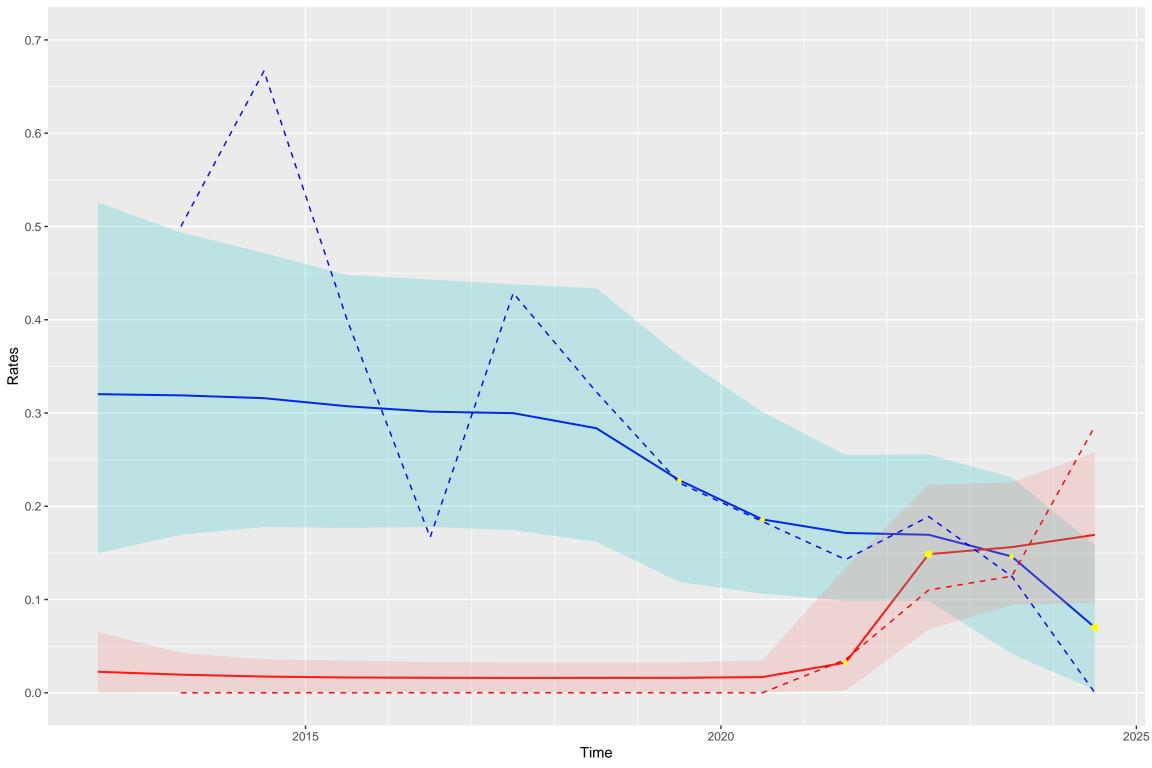
2024



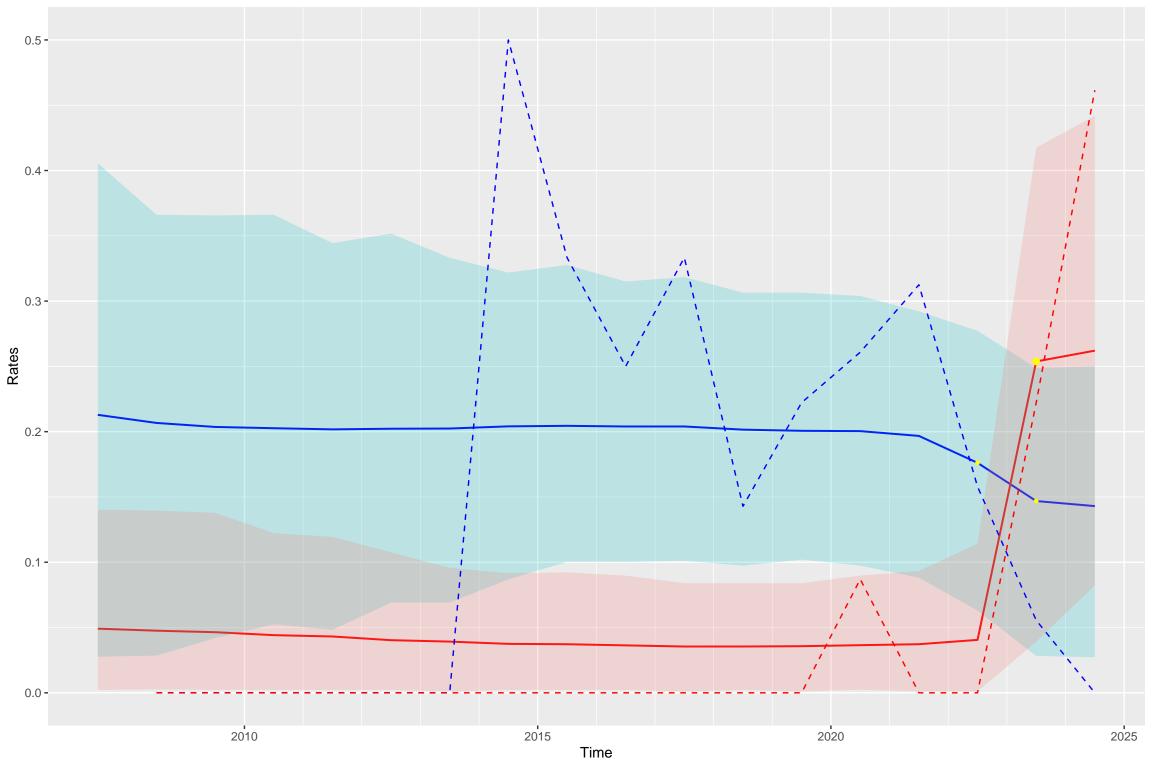




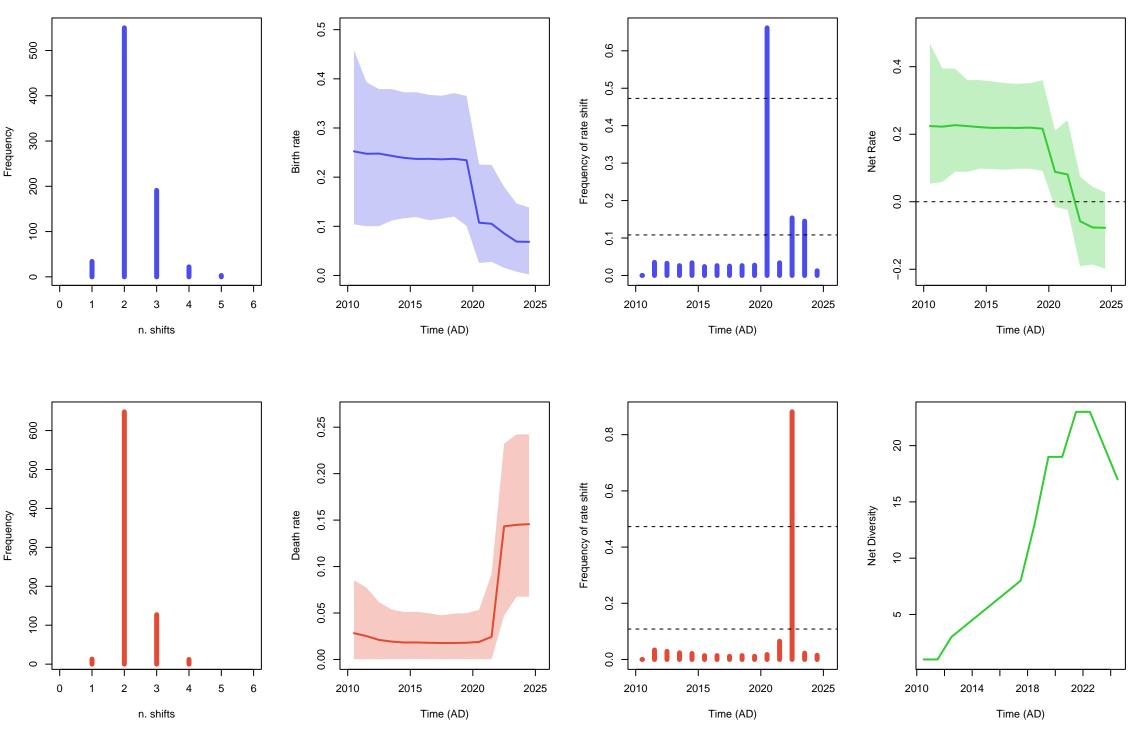


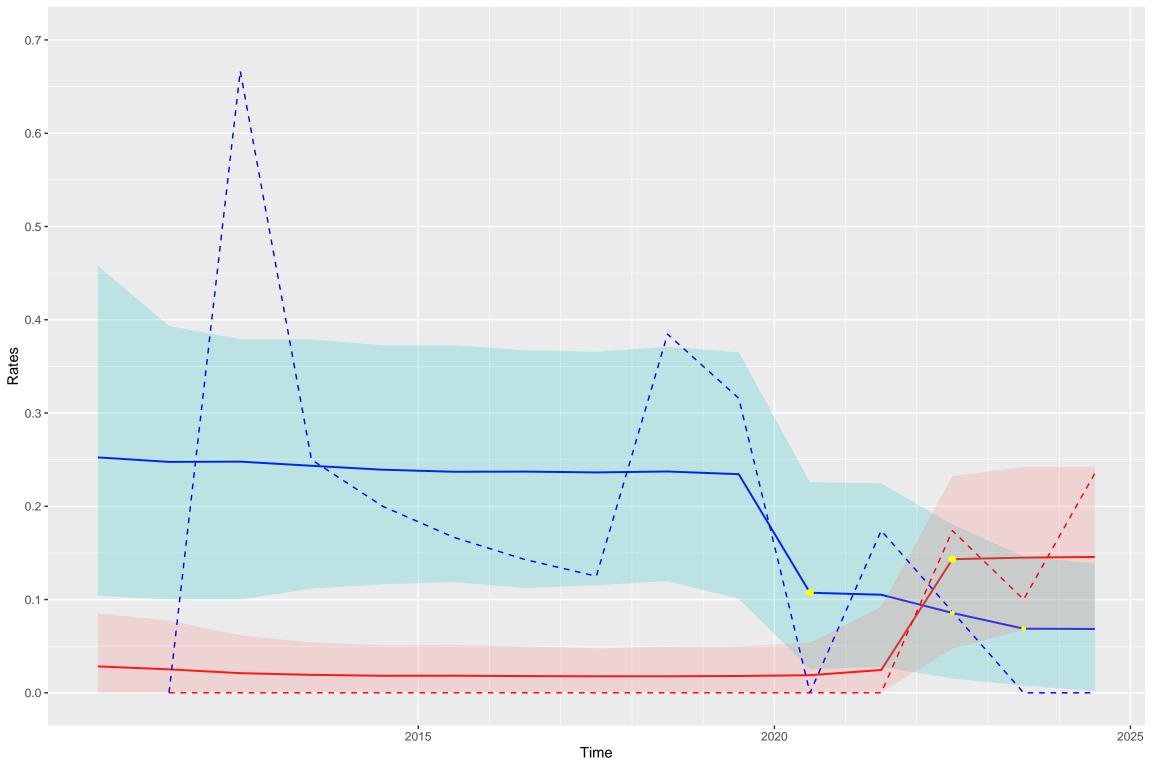


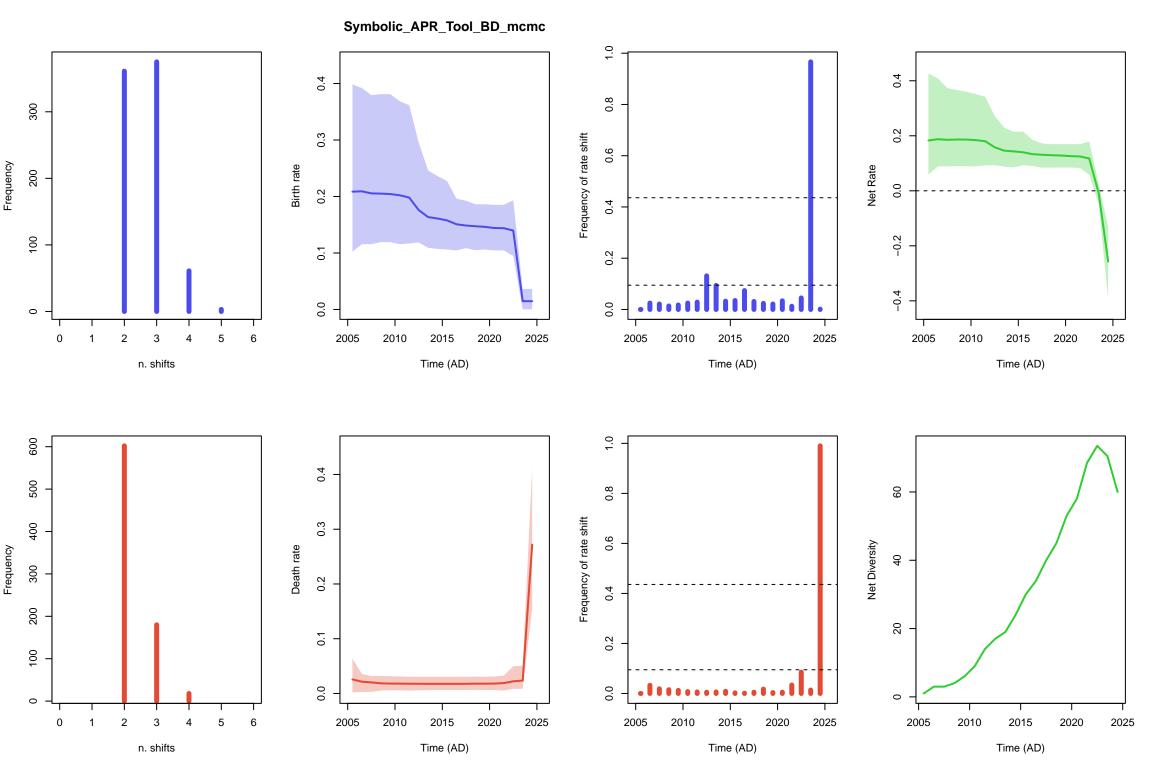
Nonfunctional_Improvement_BD_mcmc 0.20 350 0.4 0.4 300 0.15 250 Frequency of rate shift 0.3 0.2 Birth rate Net Rate Frequency 200 0.2 0.0 150 0.05 100 0.1 -0.2 20 0.0 2010 2015 2020 2025 2010 2020 2025 2010 2015 2025 0 2015 2020 2 3 5 Time (AD) Time (AD) Time (AD) n. shifts 0.5 009 0.8 200 0.4 15 Frequency of rate shift 9.0 400 0.3 Death rate Net Diversity Frequency 300 10 9.0 0.2 200 0.1 2 100 0.0 2010 2015 2020 2025 2015 2020 2025 2010 2015 2020 2010 2025 0 2 3 5 Time (AD) n. shifts Time (AD) Time (AD)

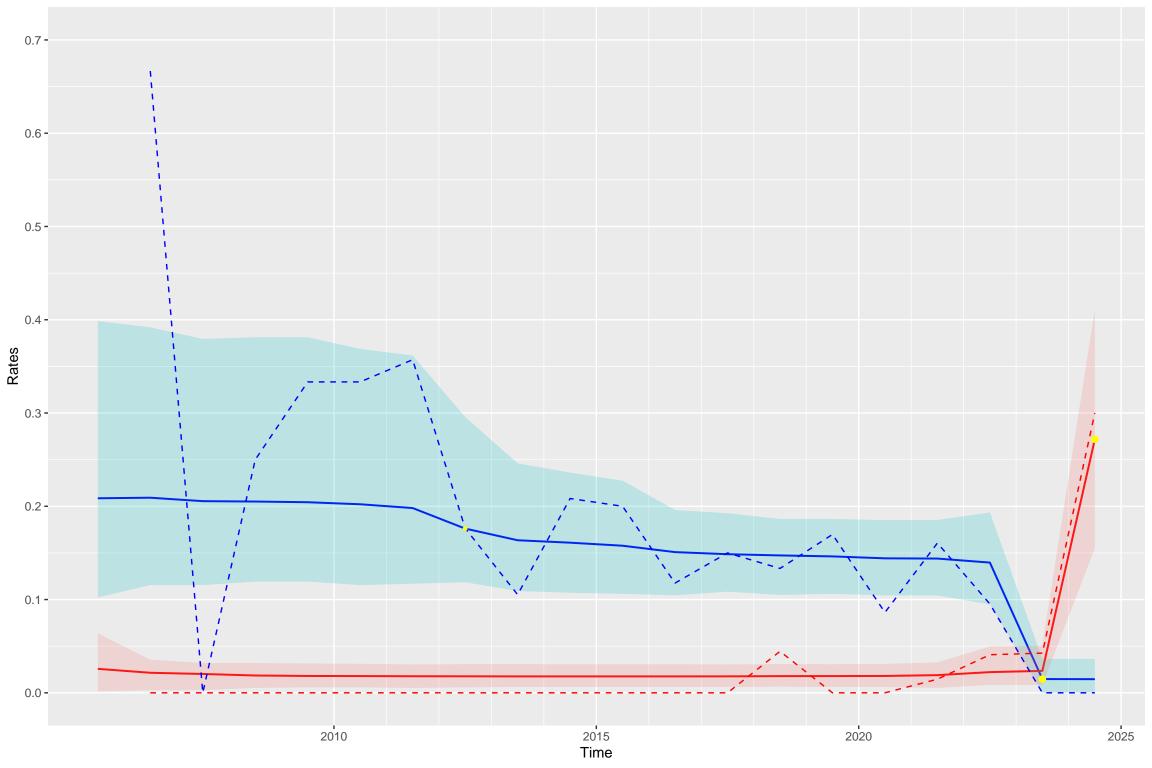


Search-Based_APR_Tool_BD_mcmc

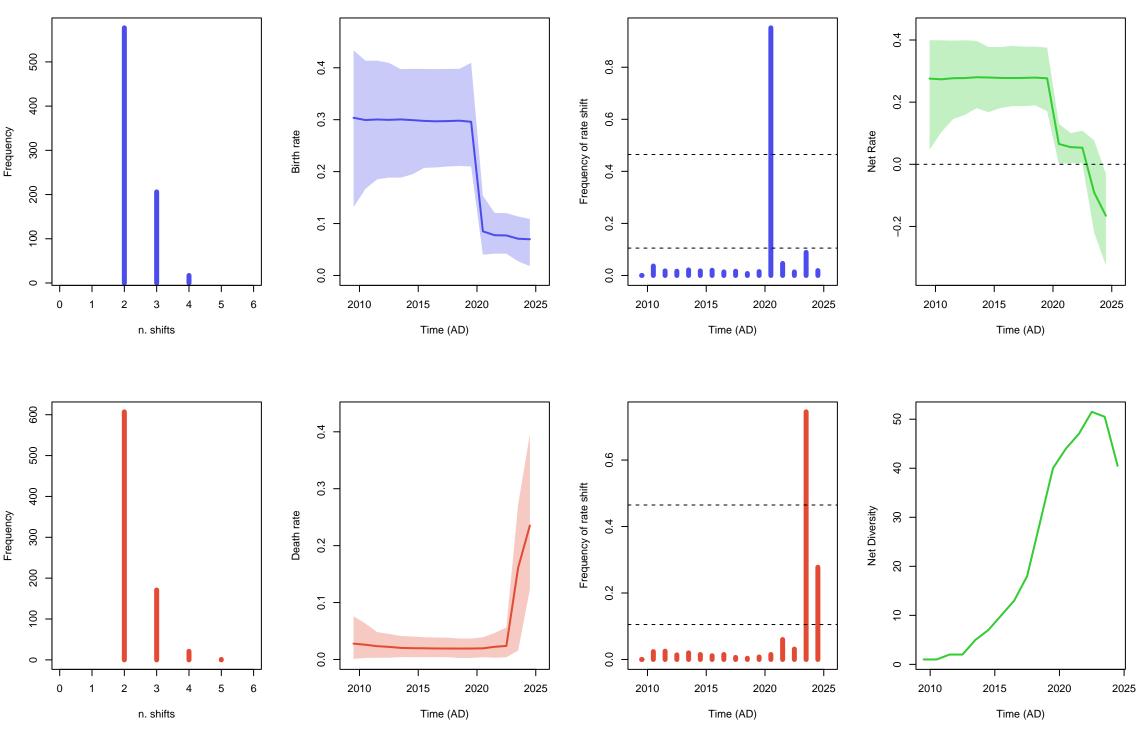


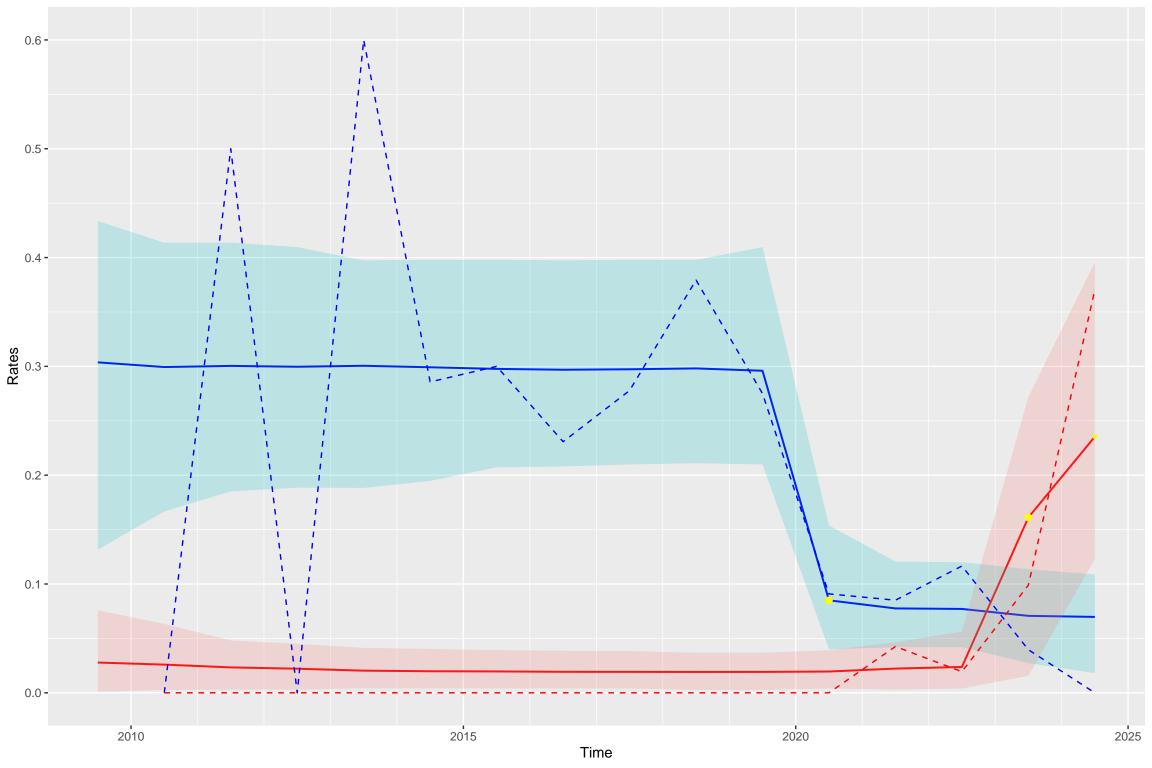






Template-Based_APR_Tool_BD_mcmc





「est_Suite_Improvement_or_Extension_BD_m

