Posterior of component 5 Random samples from the posterior of component 5 0.6 0.4

This component is assumed to continue smoothly but its distribution is assumed to quickly return to the prior. The prior distribution places mass on smooth functions with a marginal mean of zero and a typical lengthscale of 1.6 years. [This is a placeholder for a description of how quickly the

Component 5: A rapidly varying smooth function. This function applies until 1643 and

3.5

from 1716 onwards

posterior will start to resemble the prior].

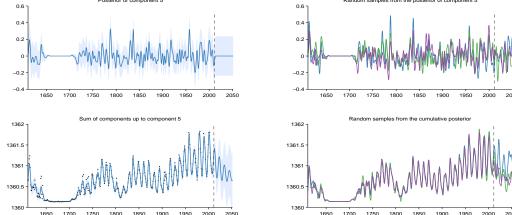


Figure 22: Posterior of component 5 (top) and cumulative sum of components (bottom) with extrapolation. Mean and pointwise variance (left) and three random samples from the posterior distribution (right).