

2.8 Component 8 : A rapidly varying smooth function. This function applies until 1644 and from 1719 until 1751

This function is a rapidly varying but smooth function with a typical lengthscale of 3.1 months. This component applies until 1644 and from 1719 until 1751.

This component explains 50.7% of the residual variance; this increases the total variance explained from 98.4% to 99.2%. The addition of this component increases the cross validated MAE by 0.00% from 0.15 to 0.15. This component explains residual variance but does not improve MAE which suggests that this component describes very short term patterns, uncorrelated noise or is an artefact of the model or search procedure.

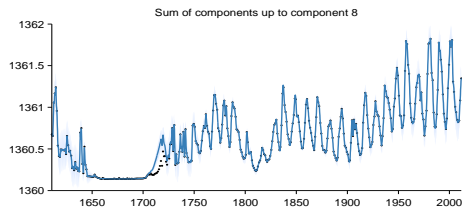
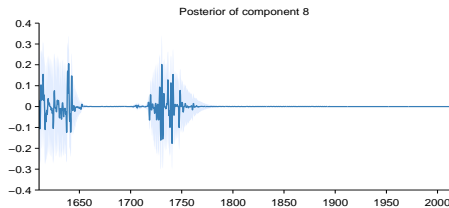


Figure 9: Posterior of component 8 (left) and the posterior of the cumulative sum of components with data (right)