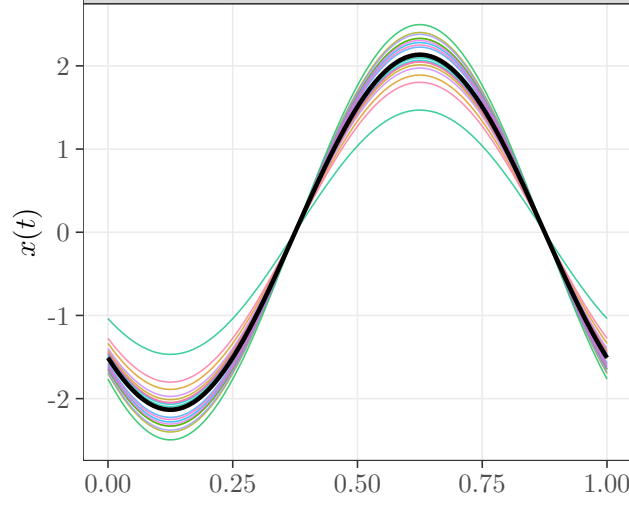
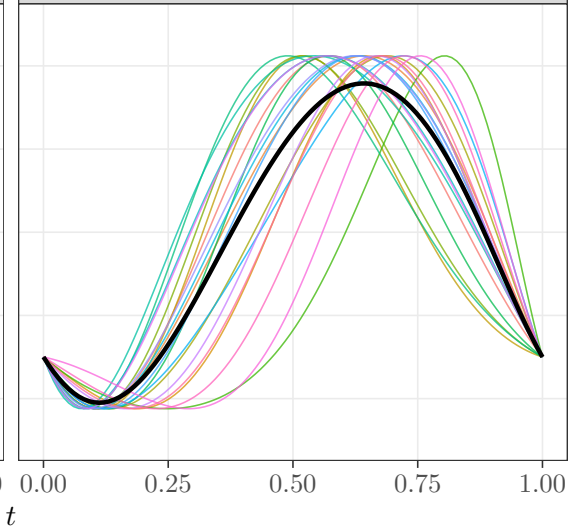
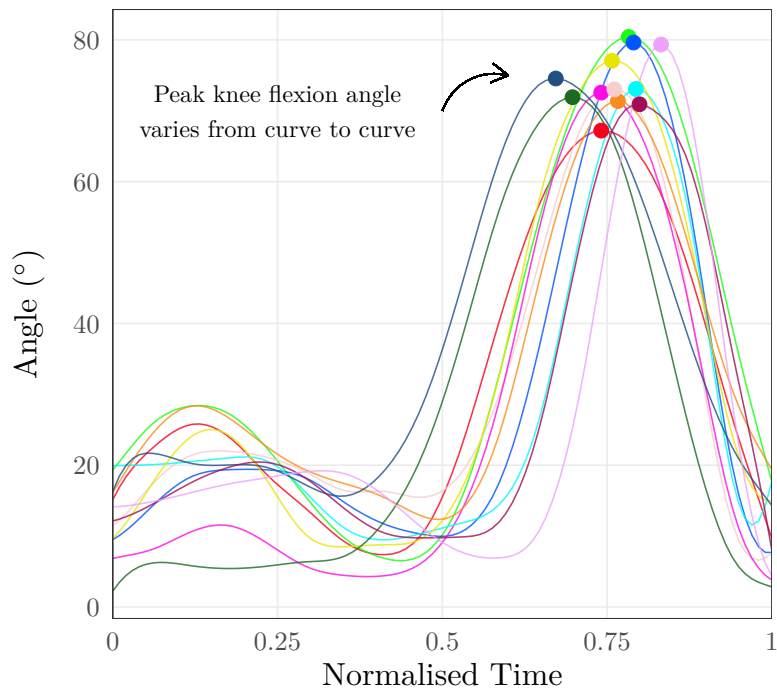
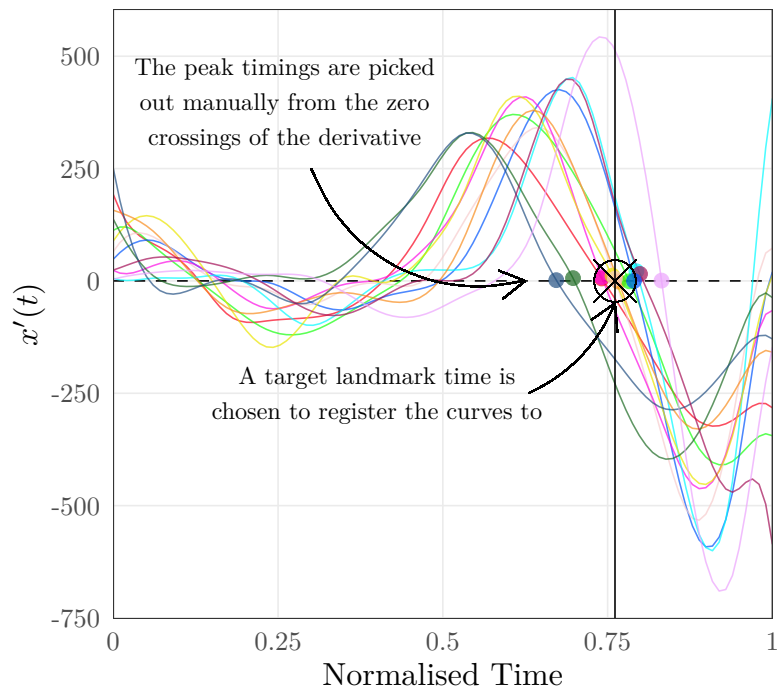
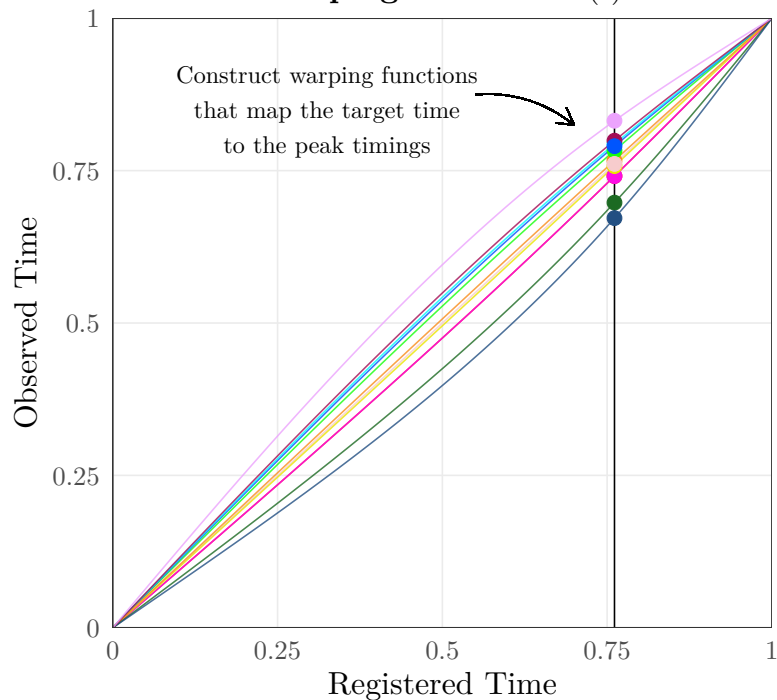
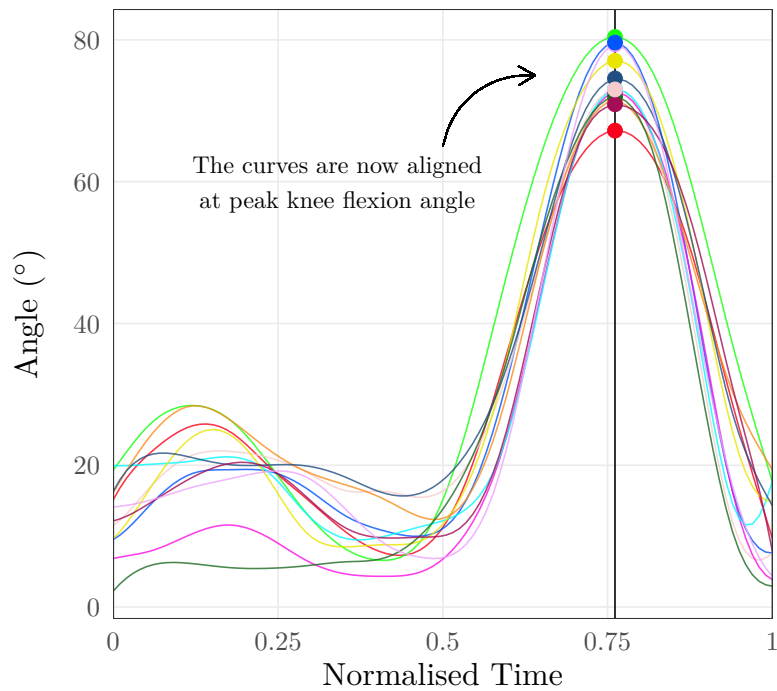


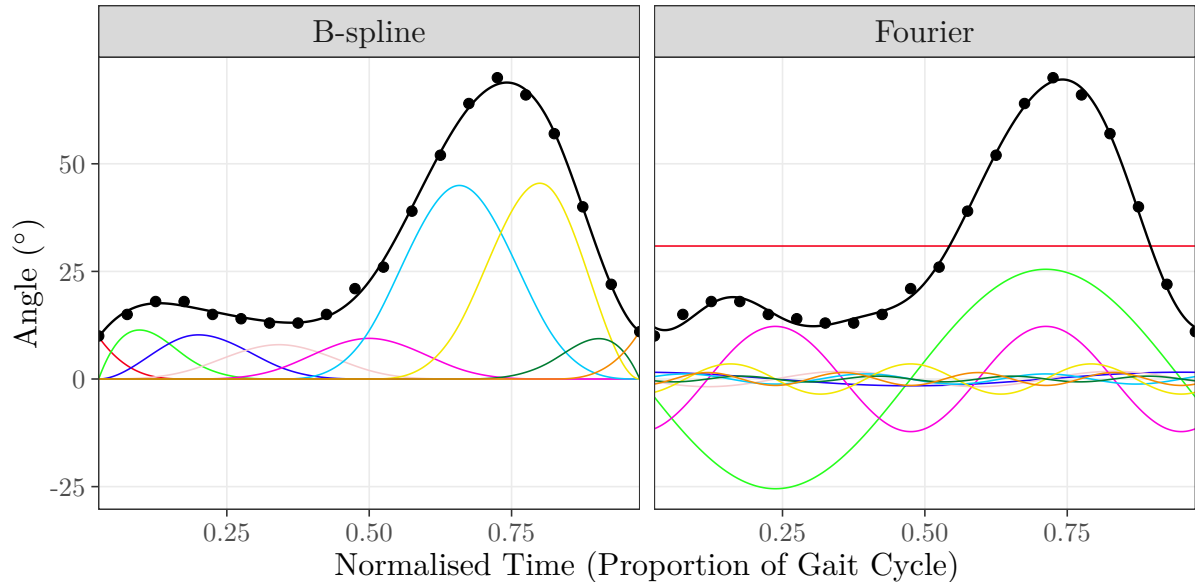
Amplitude Variation

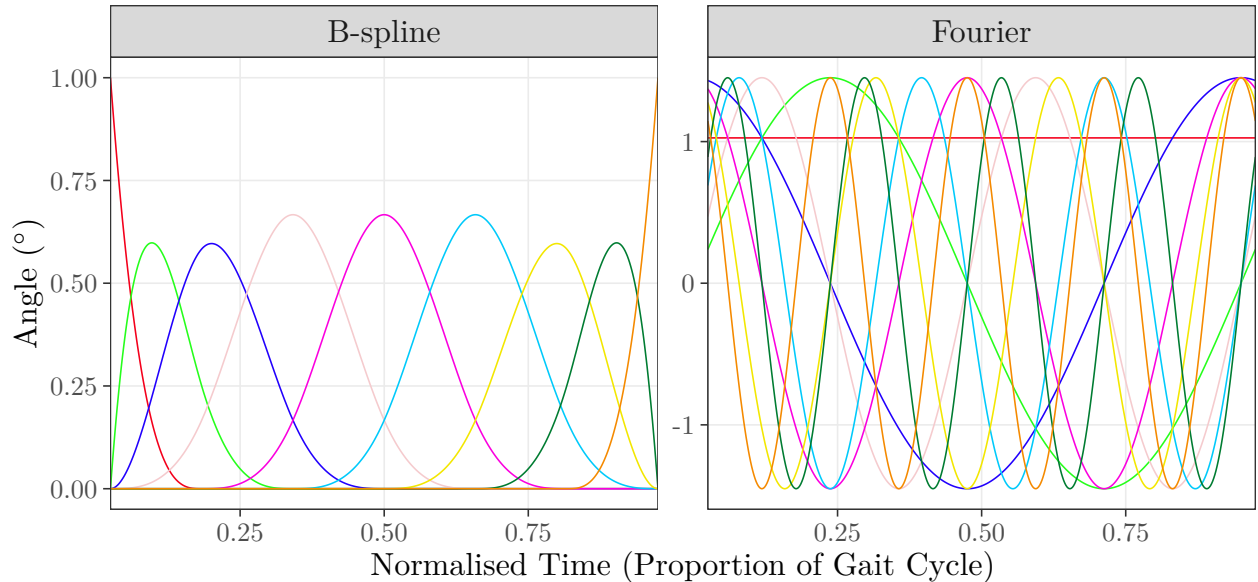


Phase Variation

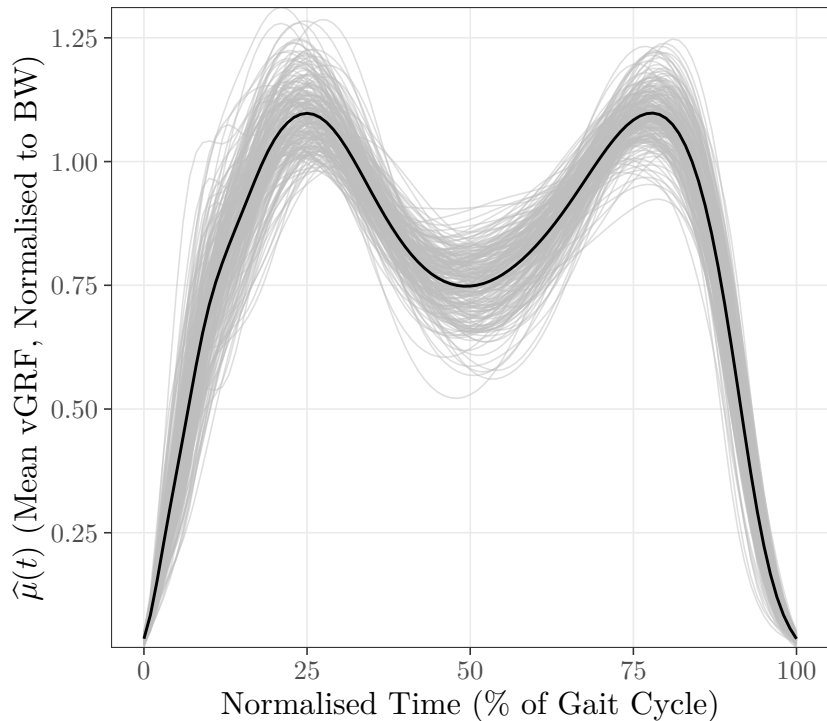


Unregistered Data $x(t)$ **Unregistered First Derivative $x'(t)$** **Warping functions $h(t)$** **Registered Data $x \circ h(t)$** 

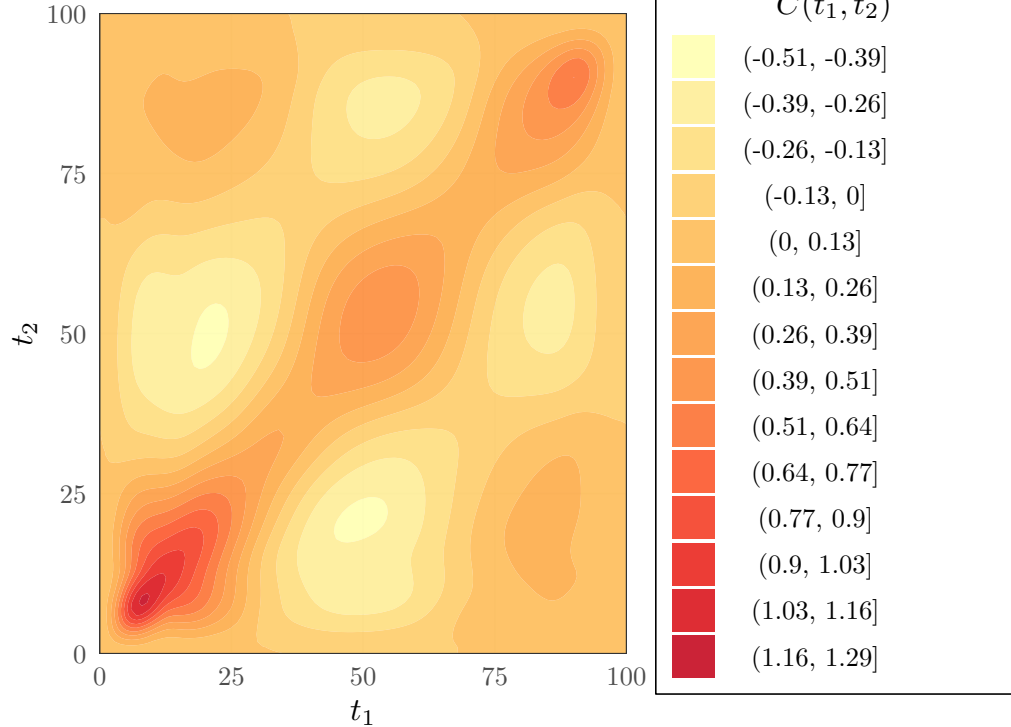


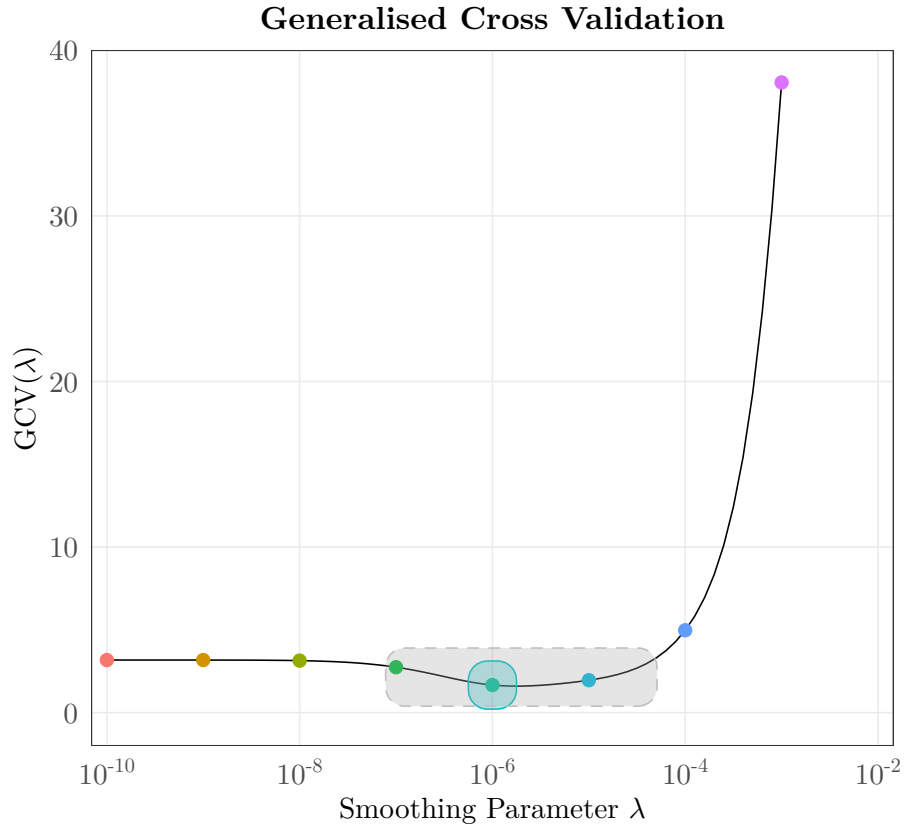
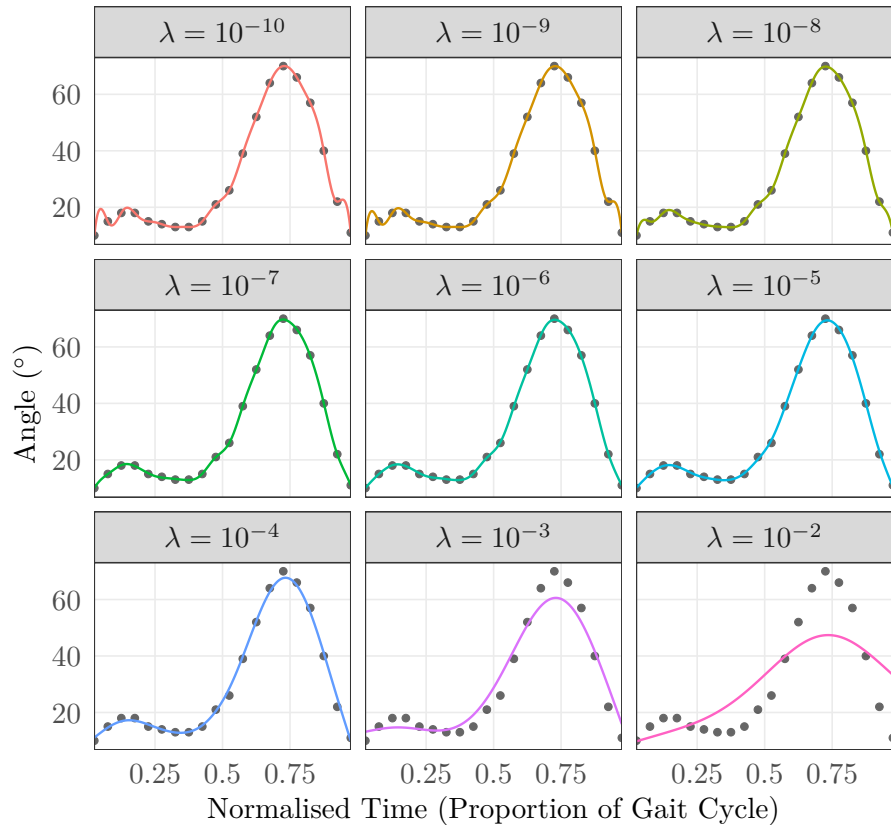


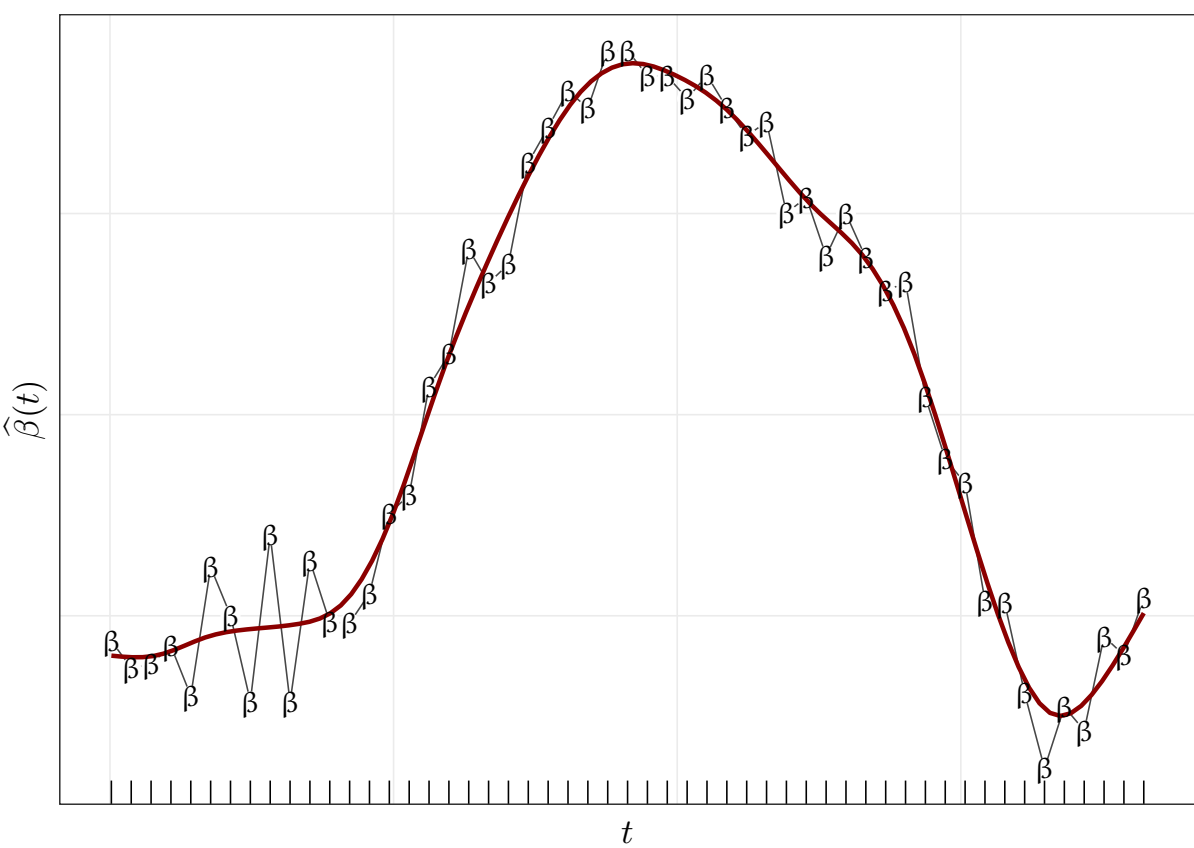
Sample Mean Function $\hat{\mu}(t)$

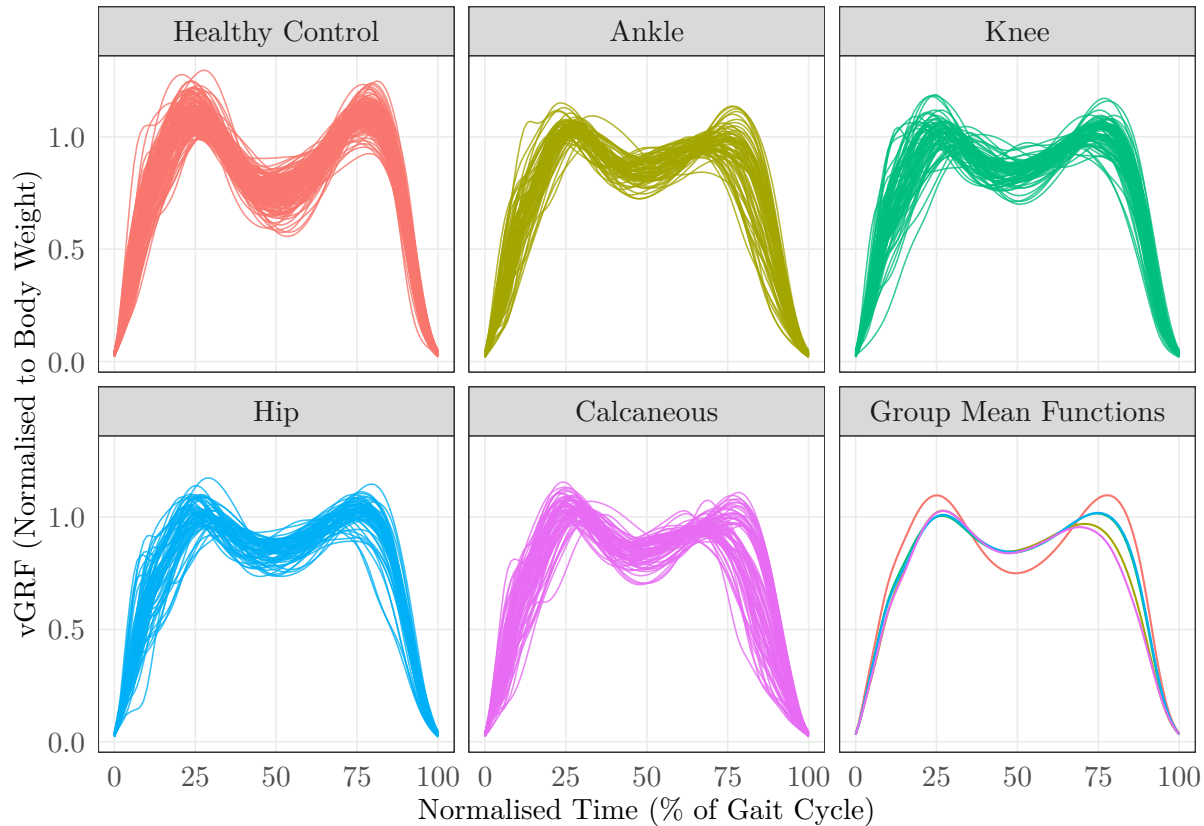


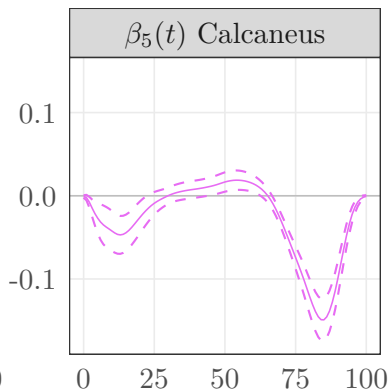
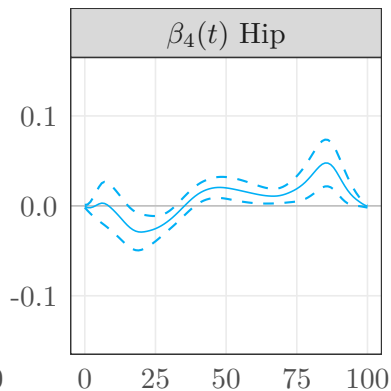
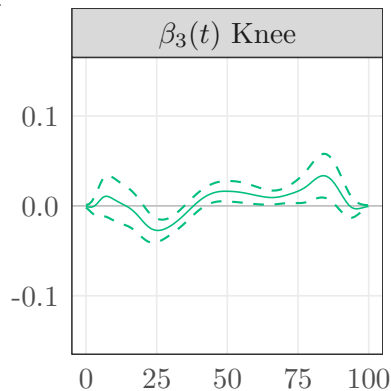
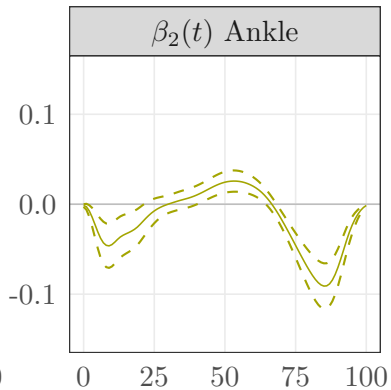
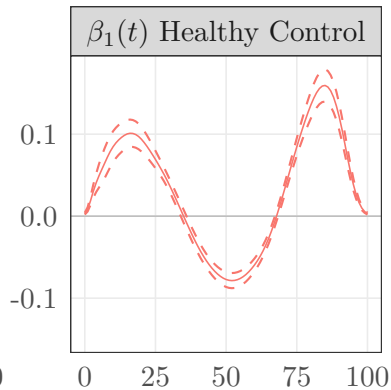
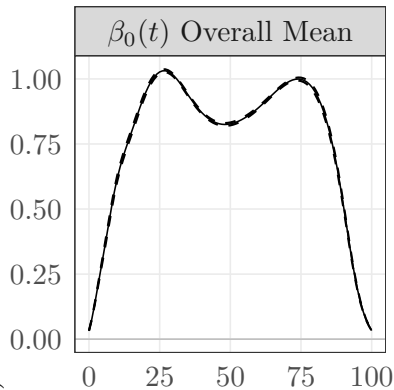
Sample Covariance Function $\hat{C}(t_1, t_2)$







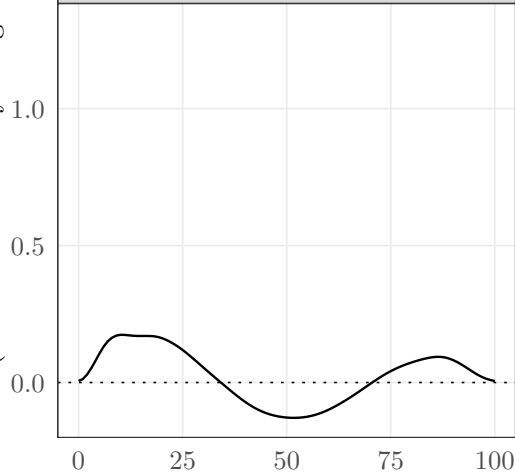


$\hat{\beta}(t)$ 

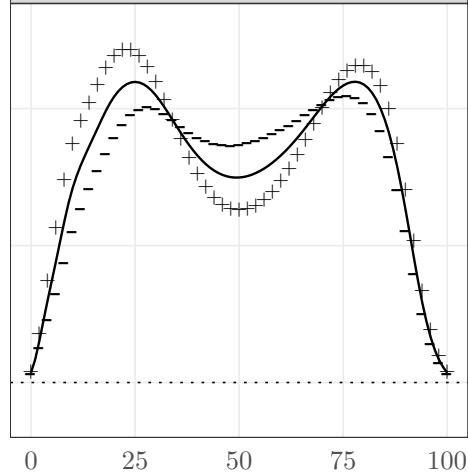
Normalised Time (% of Gait Cycle)

vGRF (Normalised to Body Weight)

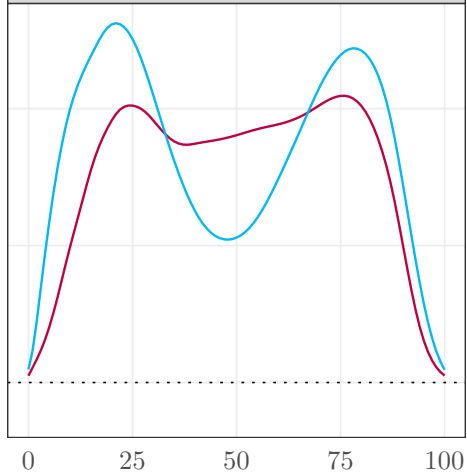
$$\hat{\psi}_1(t)$$



$$\hat{\mu}(t) \pm 2\sqrt{\lambda_1}\hat{\psi}_1(t)$$



Highest and Lowest FPC1 Scores



Normalised Time (% of Gait Cycle)

Side: — Left — Right

