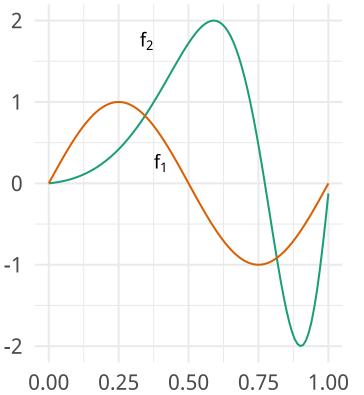
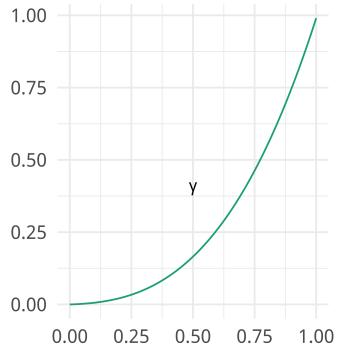
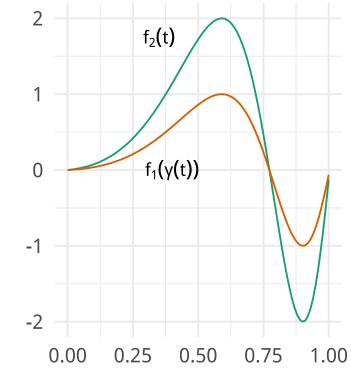




Components of Function Variability







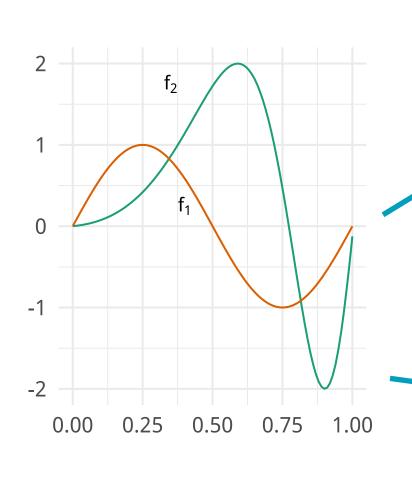


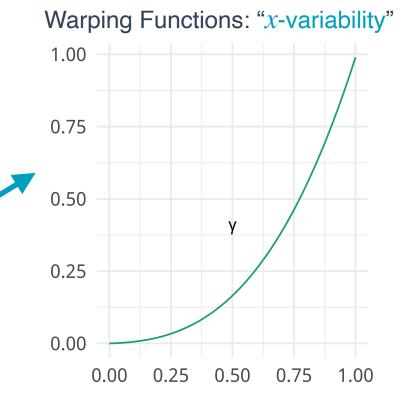


Aligned Functions: "y-variability"

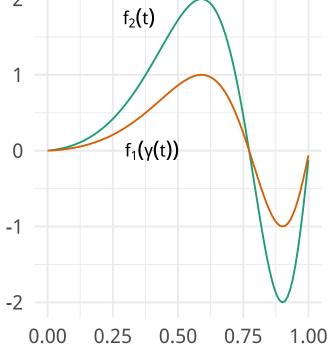
Warping Functions: "*x*-variability"

Components of Function Variability





Aligned Functions: "y-variability"



CLASSICAL FDA: LOSS OF STRUCTURE

Cross-sectional statistics ignore horizontal component, often destroys structures

