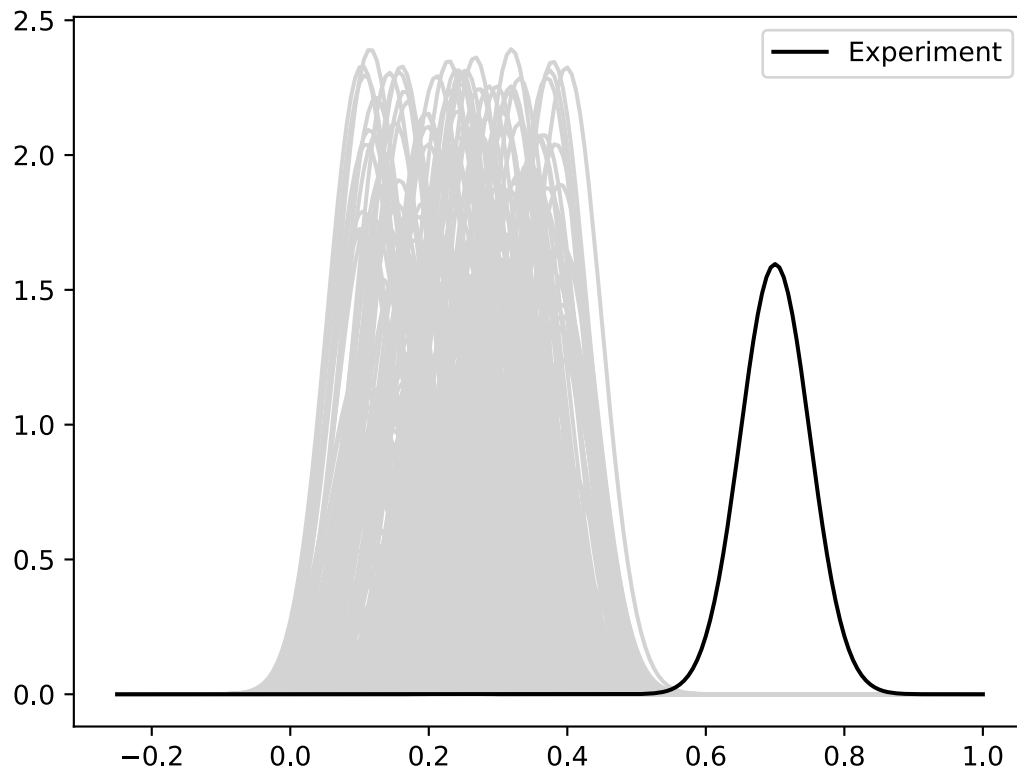
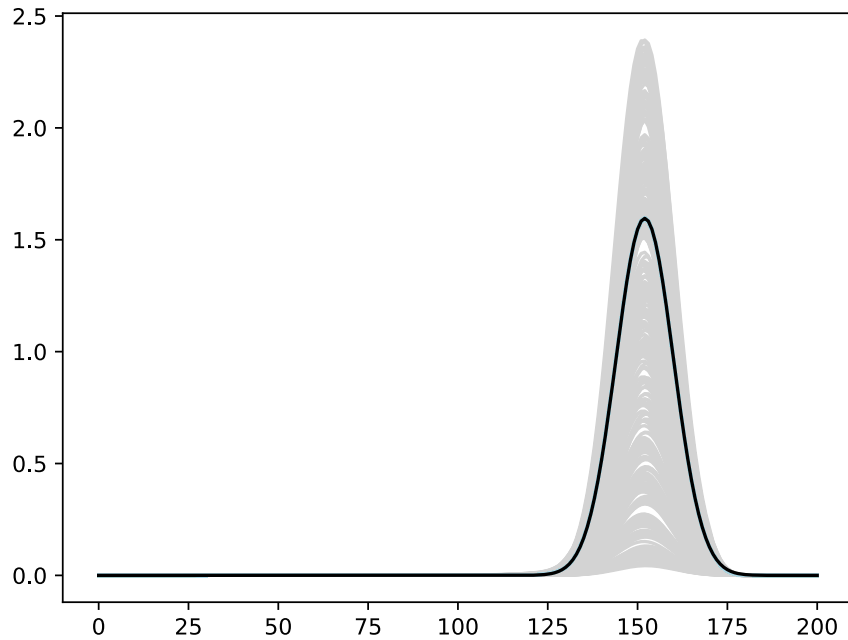


# Simulation with Discrepancy

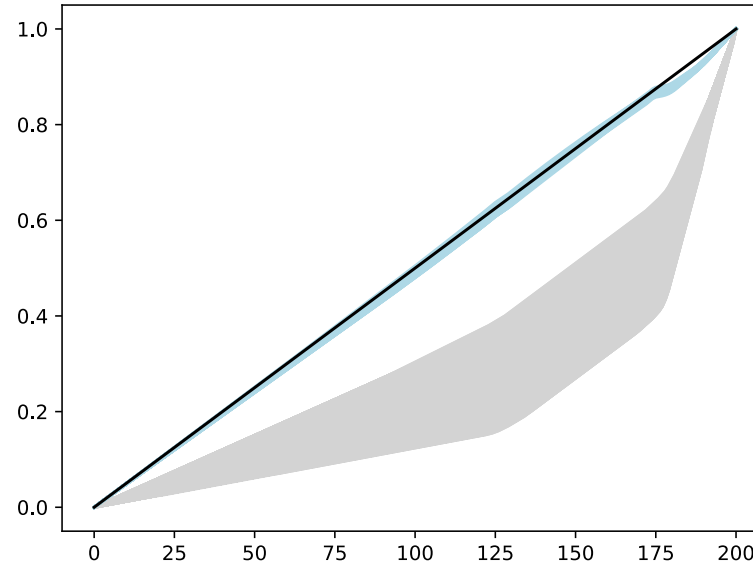


- Repeat same simulation model with with the experiment having a timing discrepancy
- Discrepancy modeling with basis functions in shooting vector space

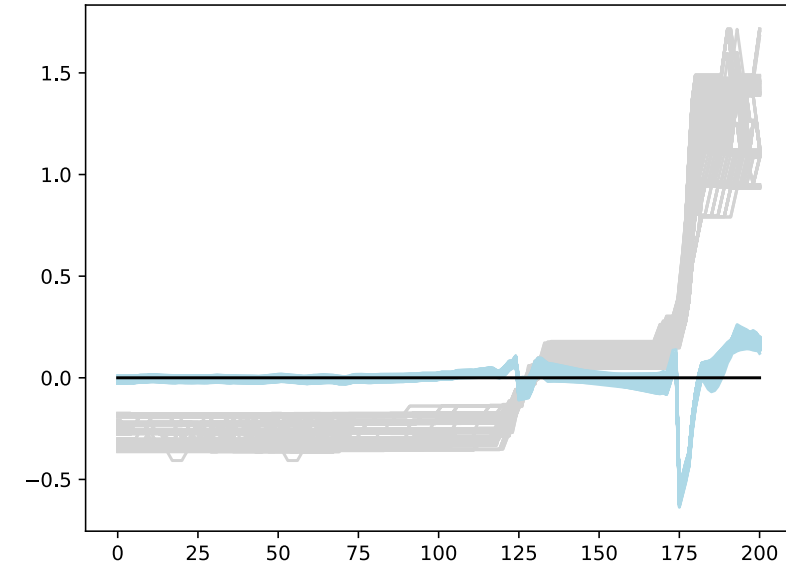
# Calibration



Aligned Data



Warping Functions



Shooting Vectors

- Trained BASS Emulator on Aligned Functions and Shooting Vectors (using elastic fPCA)
- Calibrated using framework with tempering and adaptive MCMC
- Blue shows draws from posterior distribution at 95% credible interval