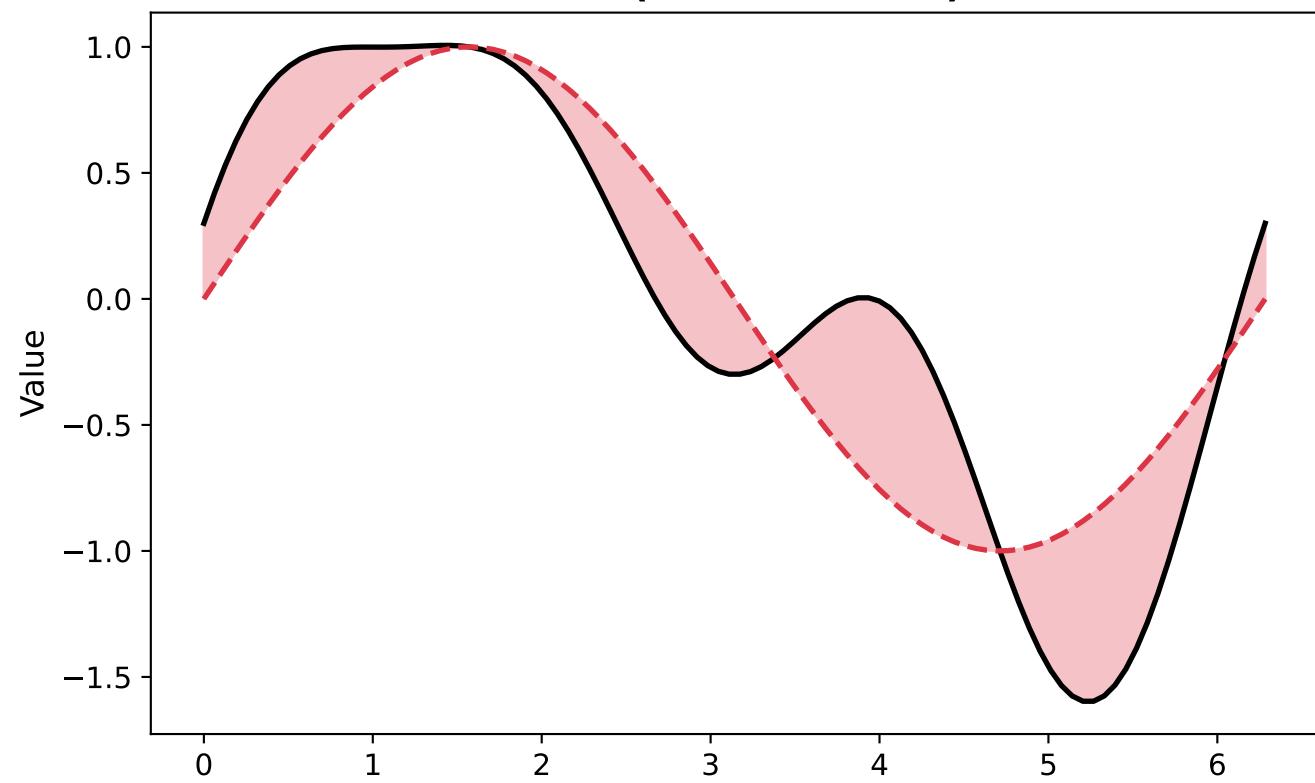
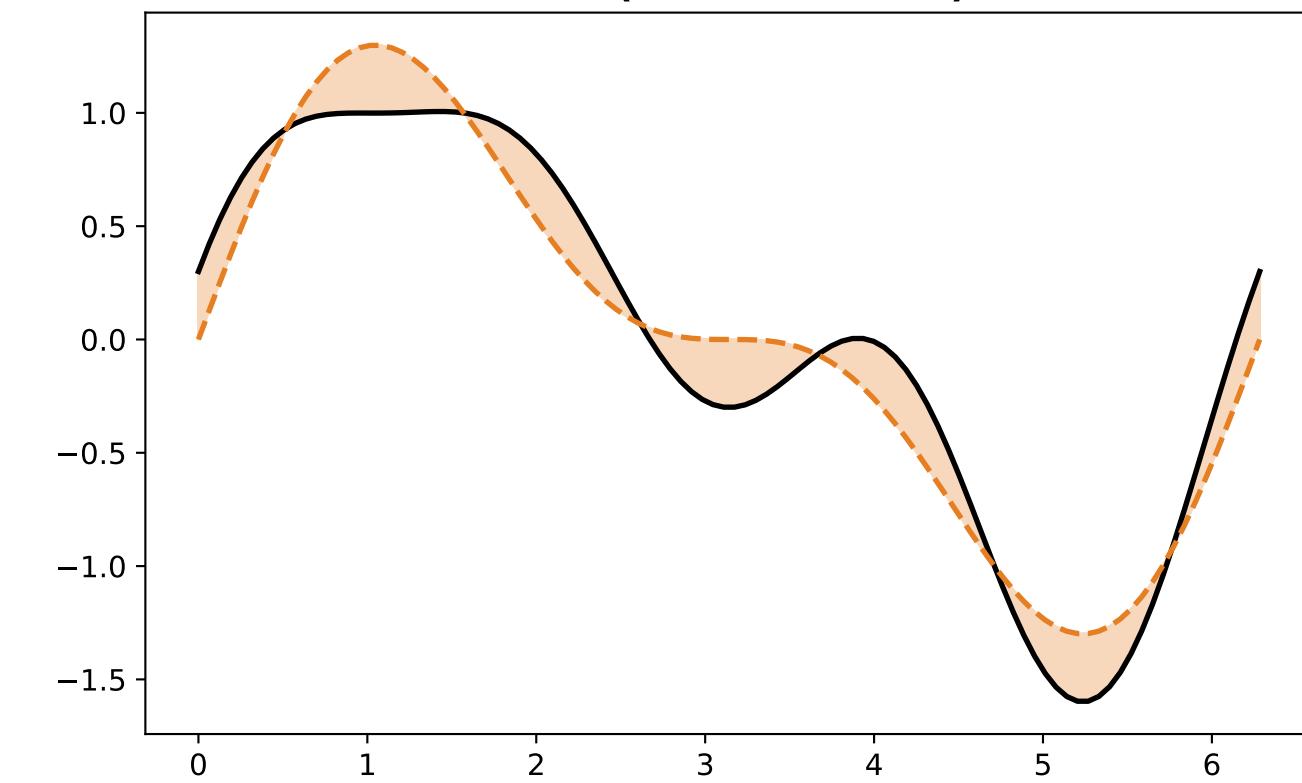
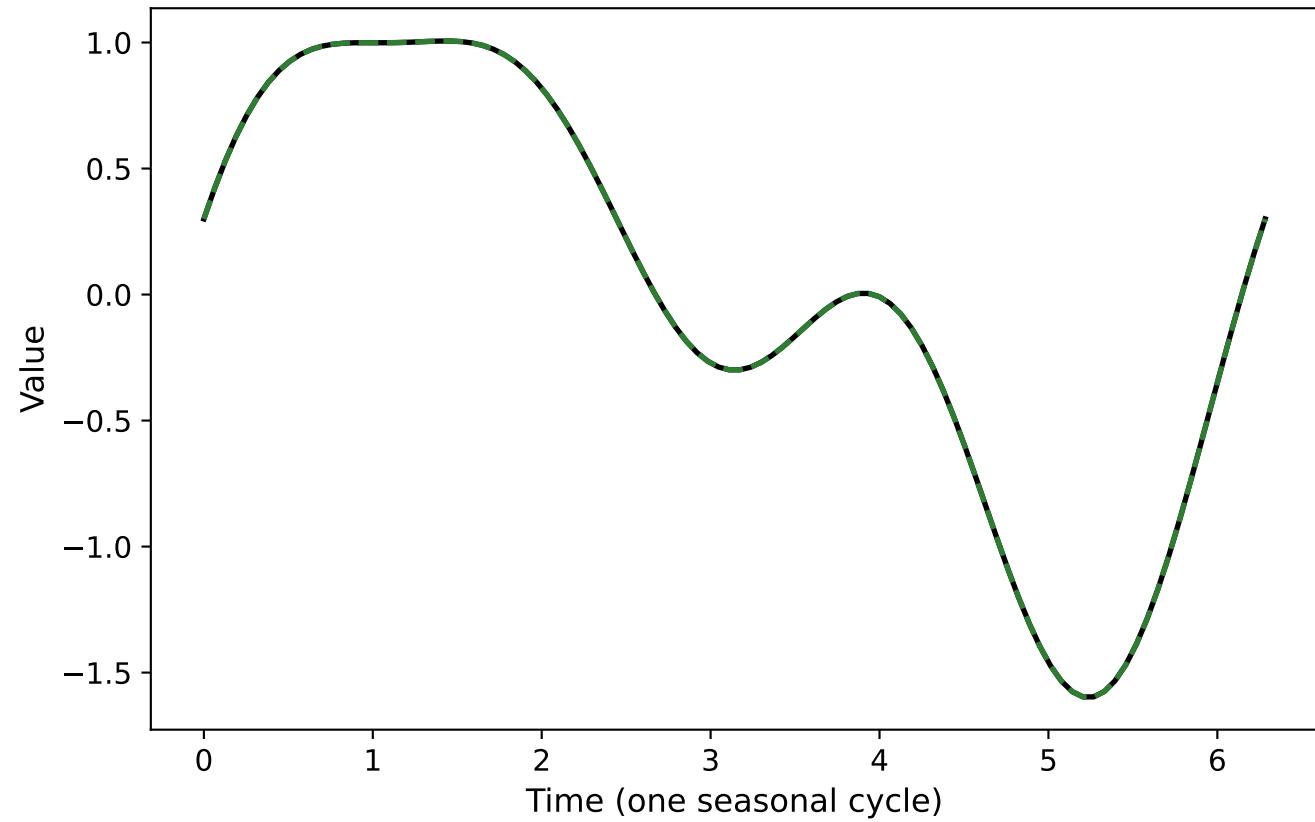


K = 1 (One Harmonic)

— True pattern - - - K=1 approximation

K = 2 (Two Harmonics)

— True pattern - - - K=2 approximation

K = 3 (Three Harmonics) - Perfect Fit

Time (one seasonal cycle)

— True pattern - - - K=3 approximation

Approximation Error vs K