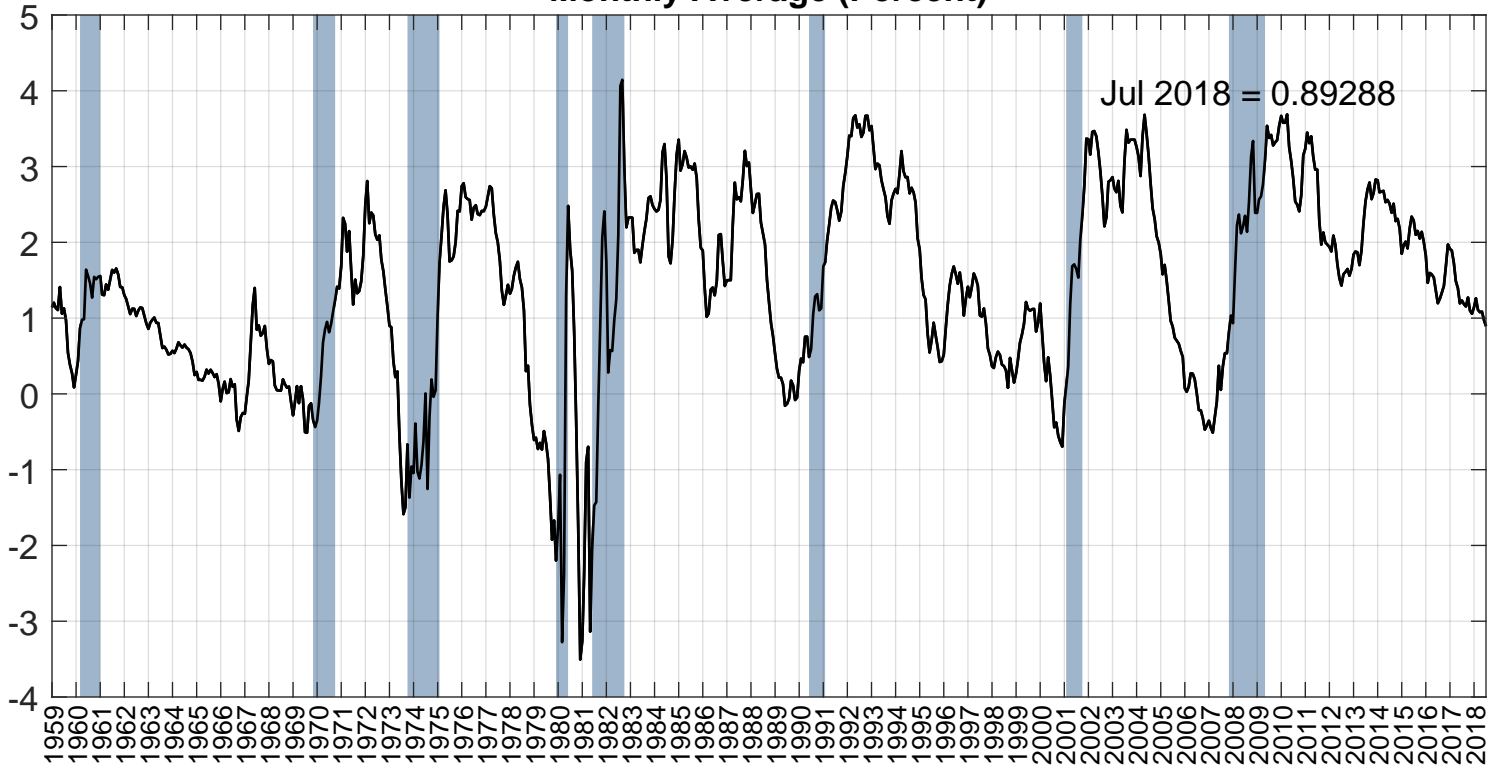
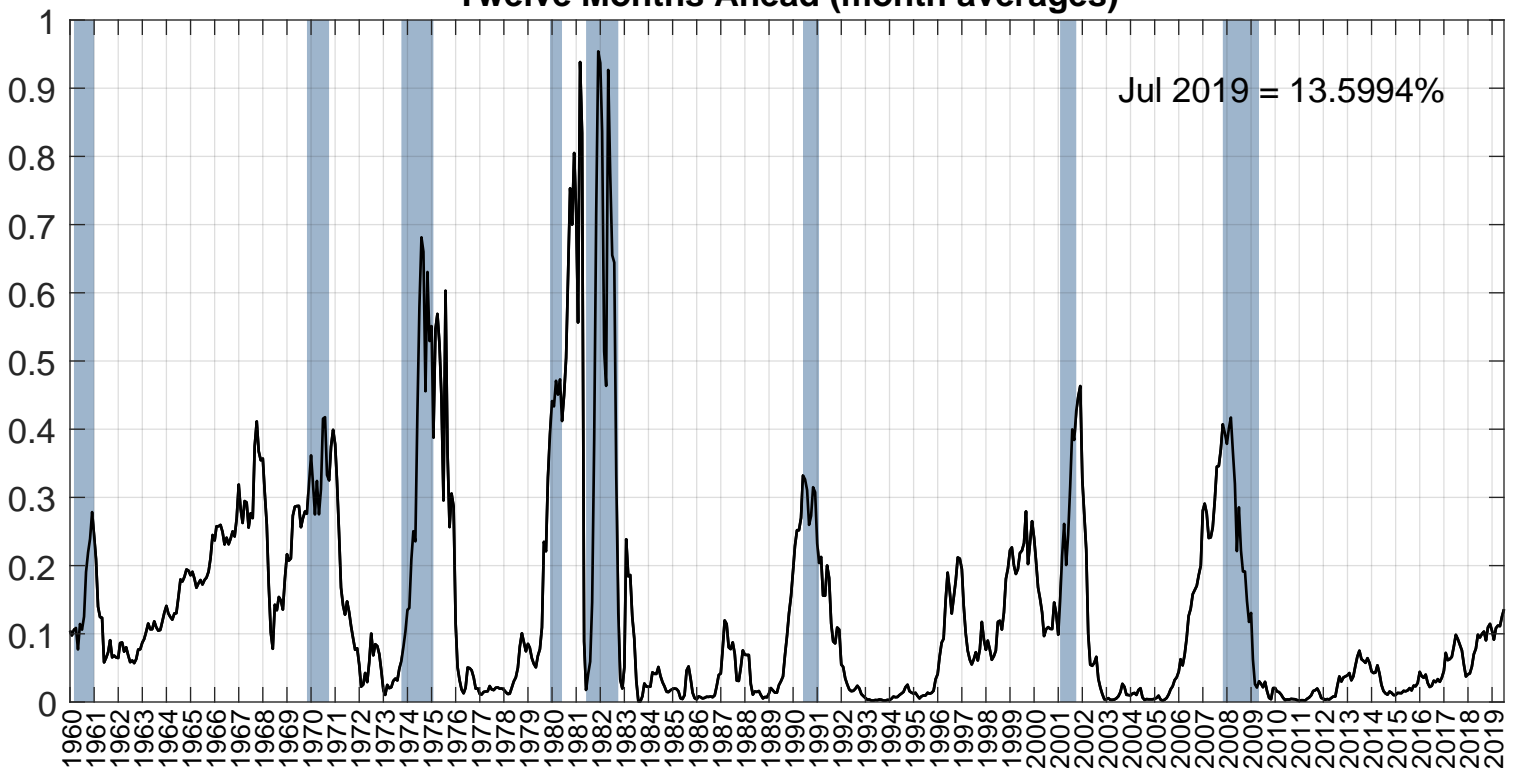


Treasury Spread: 10 yr bond rate-3 month bill rate Monthly Average (Percent)



Probability of US Recession Predicted by Treasury Spread* Twelve Months Ahead (month averages)



*Parameters estimated using data from January 1959 to December 2009, recession probabilities predicted using data through Jul 2018. The parameter estimates are $\alpha = -0.5333$, $\beta = -0.6330$.