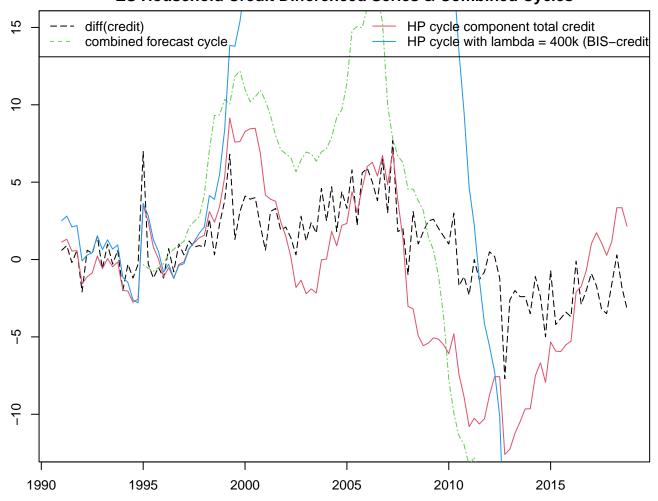
ES Household Credit Differenced Series & Combined Cycles



Estimated Cyclical Component 15 ΗP quad BN HP3k HP400k UC Hamilton combined linear diff(credit) 10 2 0 -5 -10 -15 1990 2010 2015 1995 2000 2005