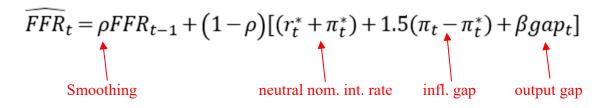
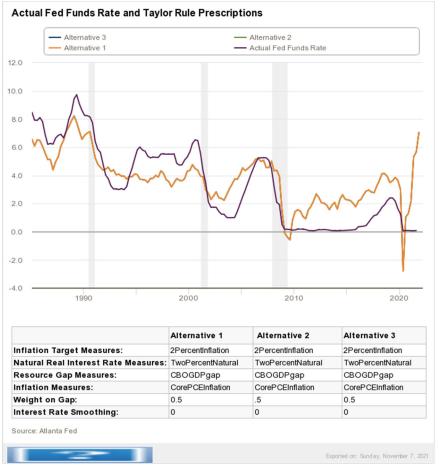
Economics 435 Fall 2021 University of Wisconsin-Madison

Menzie D. Chinn Social Sciences 7418

## **Taylor Rules**



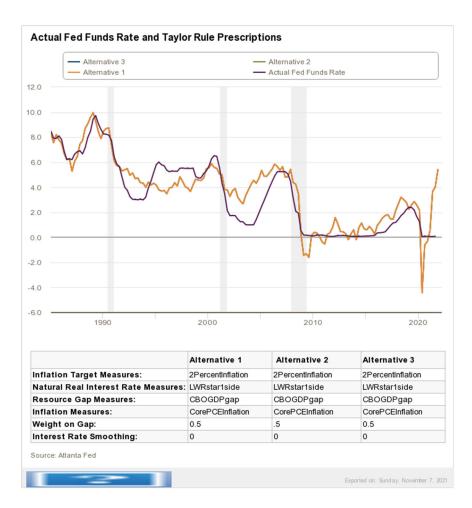
• Set  $\rho = 0$ , r\* =2%,  $\pi$ \*=2%,  $\pi$  is Core PCE 4 qtr inflation, gap is CBO output gap



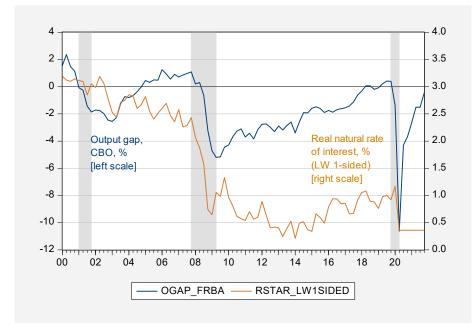
Source: FRB Atlanta, https://www.frbatlanta.org/cqer/research/taylor-rule.aspx?panel=1

A constant natural rate of interest is implausible, so consider following:

• Set  $\rho = 0$ ,  $r^* = 1$  sided Laubach-Williams estimate,  $\pi^*=2\%$ ,  $\pi$  is Core PCE 4 qtr inflation, gap is CBO output gap



Here's the evolution of natural (real) rate of interest, as estimated by Laubach and Williams (also output gap from CBO).



E435\_taylorrules\_f21, 7.11.2021