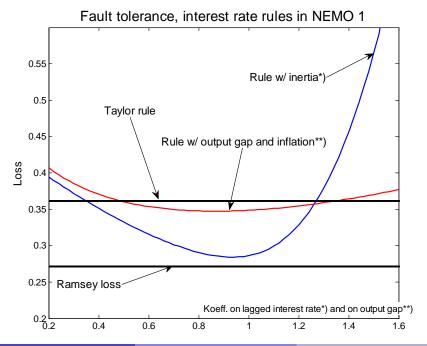
Simple and Robust Rules for Monetary Policy By John B. Taylor and John C. Williams

Discussion by R. Alstadheim

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Oslo. June 2010



Optimal rules do well in NEMO

NFMO 1 NFMO 2 Loss relative to Ramsey:

34% Taylor rule*) Fine tuned rule**) 4% 7%

*)
$$\hat{i}_t = 1.5 * \hat{\pi}_t + 0.5 * \hat{y}_t$$

**) Optimized coefficients for each individual model.

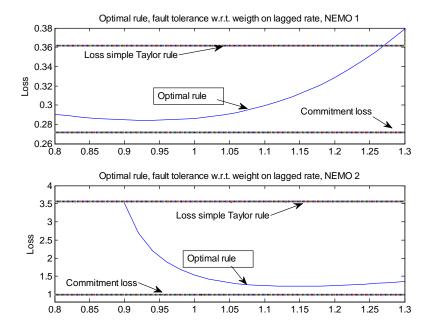
$$\widehat{i}_t = \rho \widehat{i}_{t-1} + (1-\rho)(\alpha_1 \widehat{\pi}_{t+1} + \alpha_2 (\widehat{y}_t - \eta \widehat{y}_{t-1}))$$

...but the optimal rules are not robust:

Loss relative to Ramsey:	NEMO 1	NEMO 2
Taylor rule Fine tuned rule Fine tuned rule, wrong model	34% 4% 257%	7% 250%

Still, fine tuning beats simple rule in this case:

Loss relative to Ramsey	NEMO 1	NEMO 2
Taylor rule	34%	347%
Fine tuned rule	4%	7%
Fine tuned rule, wrong model	257%	250%



If the space of models is NEMO 1 and 2, policy tuned to that space is best

NEMO1	NEMO2
34%	347%
4%	7%
257%	250%
18%	43%
	34% 4% 257%

*)
$$\hat{i}_t = 0.3 * \hat{\pi}_t + 0.3 * \hat{y}_t + 1.05 * \hat{i}_{t-1}$$