

### 0.0.1 Specification

#### Model/SMC Specification:

- **Model:** An Schorfheide
- **Pre-sample Date Range:** 1959-Q3 through 1959-Q4
- **Date Range:** 1960-Q1 through 2018-Q4
- **Number of Particles:** 2000
- $N_{phi}$ : 300
- $lambda$ : 2.1
- $N_{SMC\_blocks}$ : 1
- $N_{MH\_steps}$ : 1
- **Mixture Proportion:** 1
- **Resampling Threshold:** 0.5
- **Target Acceptance Rate:** 0.25
- **Initial Step-Size** (proposal covariance scaling factor): 0.5

#### Schedule Specification:

- **Fixed Schedule:** With the specified  $N_{\Phi}$  and  $\lambda$ .
- **Adaptive Schedule:** With  $\alpha = 0.97$ .
- **Adaptive Schedule:** With  $\alpha = 0.98$ .

Number of estimations at each schedule specification: 20