## OG-India: Calibrating Parameters with Macroeconomic Data

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## Macro Data and Parameter Values

- There are a number of parameters of OG-India that can be calibrated with macroeconomic data
- These parameters' values will be set with data from national accounts and financial accounts

## Parameters to Calibrate from National Accounts Data

- $g_y$  (g\_y\_annual): the exogenous underlying rate of (labor-augmenting) technological change
- $\gamma$  (gamma): capital's share of output (which is equal to 1 labor's share of output, given constant returns to scale)
- ullet  $\delta$  (delta\_annual): the rate of economic depreciation
- α<sub>T,t</sub> (alpha\_T): government transfer spending (excluding government pensions) as a fraction of GDP
- $\alpha_{G,t}$  (alpha\_G): non-transfer government spending as a fraction of GDP

## Parameters to Calibrate from Financial Accounts Data

- initial\_debt\_ratio: the debt-to-GDP ratio in the start year of the model
- $\tau_{d,t}$  (r\_gov\_scale): a scale parameter for the risk discount on government debt
- μ<sub>d,t</sub> (r\_gov\_shift): a shift parameter for the risk discount on government debt
- initial\_foreign\_debt\_ratio: the share of public debt outstanding that is held by foreigners
- ζ<sub>D,t</sub> (zeta\_D): the share of new debt issues that are purchased by foreigners
- $\zeta_{K,t}$  (zeta\_K): the share of excess capital demand that is satisfied by foreigners