

The Two-Period Model

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Course Content

1. The Two-Period Model
2. Production + Marginal Taxation
3. Uncertainty and Income Insurance
4. Overlapping Generations and Pension
5. Classical Monetary-Fiscal Interactions
6. Fiscal Theory of the Price Level
7. Fiscal Multipliers
8. Brazilian Case

Grading

- 20% - Four problem sets
 - Dynamic programming
- 30% - Group project (06/17)
 - Up to 3 students / group
 - Fiscal policy issue relate to Brazil
 - Slides + Presentation (no paper)
- 50% - Exam (06/24)

The Two-Period Model

- Government

$$b_{-1} = q_0 b_0 + \tau_0 - g_0$$

$$b_0 = \tau_1 - g_1$$

$$\implies b_{-1} = \tau_0 - g_0 + q_0 (\tau_1 - g_1)$$

- Households, utility $u(c_0) + \beta u(c_1)$

$$q_0 a_0 + c_0 = a_{-1} + y_0 - \tau_0$$

$$c_1 = a_0 + y_1 - \tau_1$$

$$\implies a_{-1} = c_0 + \tau_0 - y_0 + q_0 (c_1 + \tau_1 - y_1)$$

- No borrowing: $a_0 \geq \underline{a} = -(y_1 - \tau_1)$ (*natural limit*, same as $c \geq 0$)
- Intertemporal choice: (Euler) $q_0 u'(c_0) = \beta u'(c_1)$
- Market-Clearing: $y = c + g$

Frame title



References I