Class: "Title"

date

# **Review / context**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

# **Subject 1**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

# **Subject 2**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Sub - Subject 2

1. Point one
2. Point two

Sub - Subject 1

1. Point one
2. Point two

# **Subject 3**

Lorem Ipsum

General Modeling FE

Equation 1.1.1 : General Fixed Effects

## Constrained Optimization

### Household Optimization Problem

Variables:

* A : World A, a placeholder superscript
* i : individual
* x1 : consumption of private good 1
* x2 : consumption for private good 2
* y1 : consumption of public good 1
* y2 : consumption of public good 2
* l: leisure
* L1 : Labor
* K1 : Capital
* p1 : price of private good 1
* p2: price of private good 2
* Ω : Household wealth
* τ 1 : tax on private good 1
* τ 2 : tax on private good 2
* τ L : tax on labor income
* τ K : tax on capital income
* Ti : Lump sum transfers
* r: rate of return on capital
* w : rate of return on wage
* c1 : minimum necessary consumption of private good 1
* c2 : minimum necessary consumption of private good 2
* λ : Shadow utility of wealth expansion
* σ : Risk preference
* ρ : probability of <insert here>
* μ : Kuhn-Tucker constraint
* θ : Household’s share of firm profit

Equation 2.1.1 : Household Optimization

Equation 2.1.2 : Household Time Constraint

### Firm Optimization Conditions

### Market Clearing Conditions

Equation 2.3.1 : X1 Labor Market Clears

Equation 2.3.2 : X2 Labor Market Clears

Equation 2.3.3 : Y1 Labor Market Clears

Equation 2.3.4 : Y2 Labor Market Clears

Equation 2.3.5 : X1 Capital Market Clears

Equation 2.3.6 : X2 Capital Market Clears

Equation 2.3.7 : y1 Capital Market Clears

Equation 2.3.8 : Y2 Capital Market Clears

Equation 2.3.9 : X1 Production Market Clears

Equation 2.3.10 : X2 Production Market Clears

Equation 2.3.11 : Y1 Production Market Clears

Equation 2.3.12 : Y2 Production Market Clears

## FOC

Equation 2.4.1 : FOC: X1

## Subpoint 1

Lorem Ipsum

### Subsubpoint 1

Lorem Ipsum