Class: "Title"

date

# **Review / context**

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# **Subject 1**

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# **Subject 2**

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Sub - Subject 2

1. Point one
2. Point two

Sub - Subject 1

1. Point one
2. Point two

# **Subject 3**

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General Modeling FE

Equation 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

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### Subsubpoint 1

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