

Aggregate Demand and Aggregate Supply Curves

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Aggregate demand: services that households would like to purchase, given tightness & prices (to maximize utility)

$$y^d = \sigma(x) \times \left[\text{income} + \frac{W}{P} \right]$$

real income

$$\text{MPS} = \frac{X^\epsilon [1 + \tau(x)]^{1-\epsilon}}{1 + X^\epsilon [1 + \tau(x)]^{1-\epsilon}}$$

endowment of real wealth

What is household's income? firms owned by households

Income = labor income + firms' profits

$$\text{Real income} = \frac{w}{P} \times l + \left[\frac{p y - w l}{P} \right]$$

$$= \frac{w}{P} \times l + y - \frac{w}{P} l$$

$$= y$$

$$= f(x) \times k$$

Use expression for income:

AS = income = y^s ← Say's Law
 same expression as basic model

$$y^d = \sigma(x) \times \left[f(x) \times k + \frac{W}{P} \right]$$

Behavioral AD $\epsilon^{(0)}$ gives households' desired purchases

Pure AD: substitute out the AS element.