Open Macroeconomics

Balance of Payment

Xiaohan Wang

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$\label{eq:Current Account (CA) = Trade Balance} \\ + \textbf{Income Balance} \\ + \text{Net Unilateral Transfer}$

Trade Balance (TB):

Difference between export and import of goods and service

Trade Balance = Export of Goods and Services - Import of Goods and Services

the same as net export

Income Balance:

Difference between factor incomes received from and paid to the rest of the world

Income Balance = **Net Investment Income**

 Net International Payments to Employees

Net Unilateral Transfer

Difference between gifts received from and given to the rest of the world

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Financial Account (FA) = (Increase in Foreign-owned Domestic Assets)
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(Increase in Domestic-ownedAssets Abroad)

Fundamental Balance of Payment (BOP)

Current Account = - Financial Account

with government, the BOP becomes

 $Current\ Account = -\ Financial\ Account +\ Change\ in\ Reserves$

Net International Investment Position (NIIP)

NIIP = Foreign Asset Position
- Foreign Liability Position

NIIP is a stock variable

CA deficits may lead to negative NIIP:

 $\triangle NIIP = CA + valuation changes$

Alternative expressions:

$$TB_t = Y_t - A_t$$
 $CA_t = rB_{t-1} + TB_t$
 $CA_t = B_t - B_{t-1}$
 $CA_t = S_t - I_t$

where S is national savings, I is domestic investment, B_t is net foreign asset position at the end of period t, Y is national income, A is **domestic absorption** defined as A = C + I + G, where C is private consumption and G is government spending