

Three ways of calculating GDP

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1 The Output Method

This method measures the goods and services produced within the economy.

$$GDP = GVA + T + S \quad (1)$$

GVA - Gross Value Added, the goods and services produced by all the sectors¹ within the economy.

T - Taxes

S - Subsidies

2 The Income Method

This method measures the incomes earned in the economy, the GDP calculated with method is referred to as Gross Domestic Income(GDI).

$$GDP = W + I + R + \Pi \quad (2)$$

W - Wage, income earned by workers

I - Interest, income earned by investors, or lenders

R - Rent, income earned by landlords

Π - Profit, income earned by entrepreneurs

3 The Expenditure Method

This method measures the expenditures spent in the economy, this method is the most common you may see on the textbooks.

$$GDP = C + I + G + NX = C + I + G + (X - M) \quad (3)$$

C - Consumption, spending of households

I - Investment, spending of investors

¹Primary sector, Secondary sector and Tertiary sector, usually not including Quaternary sector and Quinary sector

G - Government expenditure, spending of government

NX - Net Exports, spending of overseas

X - Exports

M - Imports, it needs to be subtracted since it is not produced domestically, refer to the definition of GDP, it should not be included.