









The role of the government: examples of market failures

Type of goods	Issue	Examples	Problem of private provision
Risk pooling	Moral hazard (insurance leads to riskier behavior) and adverse selection (the riskier behavior seeks insurance)	Unemployment insurance or health care insurance	Market may fail to exist
Public goods	Benefits can be enjoyed by many people simultaneously at zero marginal cost (non-rivalry)	National defense, police, environment protection	Underprovided ("free riding" –individuals have no incentive to pay for sharing)
Good with externalities	Direct benefits from personal use and indirect benefits from use by others	Education, immunization programs	Underprovided (difference between cost, private benefit, and social benefit)
Natural monopolies	Large upfront fixed costs determine decreasing avg. cost of production	Water provision, electricity, mass transportation	One firm dominates the industry or no production





















































Contingent Liabilities

Explicit liabilities are those recognized by a law or contract, such as government guarantees for non-sovereign borrowing and obligations issued by sub-national governments and public or private sector entities or trade and exchange rate guarantees.

Implicit liabilities are obligations that may be assumed by government due to public and interest-group pressures, such as financial sector bailouts, or bailouts of non-guaranteed social insurance funds.

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Foreca	sting expenditures	: summary
Category	ΔQ	ΔΡ
Wages	Policy	CPI or policy
Goods and services	GDP or policy	GDP deflator or CPI
Pensions	Demographics	CPI or policies
Subsidies and transfers	GDP or policy	CPI, prices, or policies
Capital expenditures	Current projects and commitment, external financing	CPI, GDP deflator, or import deflator
Net lending	GDP, policies, repayment rates	
Interest payments	Stock of debt outstanding, current financing needs	Interest rates (domestic and foreign, inclusive of exchange rate changes)
Acquisition of assats	Policy	Market value