Saudi Arabia’s Input-Output Table: Computing Type I Multiplier

Figure 1. Computing type I multiplier from Saudi Arabia’s Input-Output Table.

Input–output (IO) analysis quantifies the change in economic output that results from a change in a component of final demand.

The impact on output can be dissected into:
- **Direct impact**
- **Indirect impact**

For example:
- **100 million SAR**
  - Positive shock to final demand for manufacturing sector

Applying Type I Multiplier:
- **205 million SAR**
  - Total economic activity
- **14.4 million SAR**
  - Wages generated

Demand shock effects:
- **130 million SAR**
  - Direct response from manufacturing sector
- **75 million SAR**
  - Indirect response from all other sectors

Value-added:
- Household income
- Job creation

Total output:

IO analysis offers insights into developing linkages and interdependencies across economic sectors.

Source: Based on GaStat IO tables for the year 2019.
References


The dataset can be accessed here.

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