

Measuring Prices and Volumes for Multinational Enterprises

*Views expressed here are of the authors
and not necessarily of the ABS*



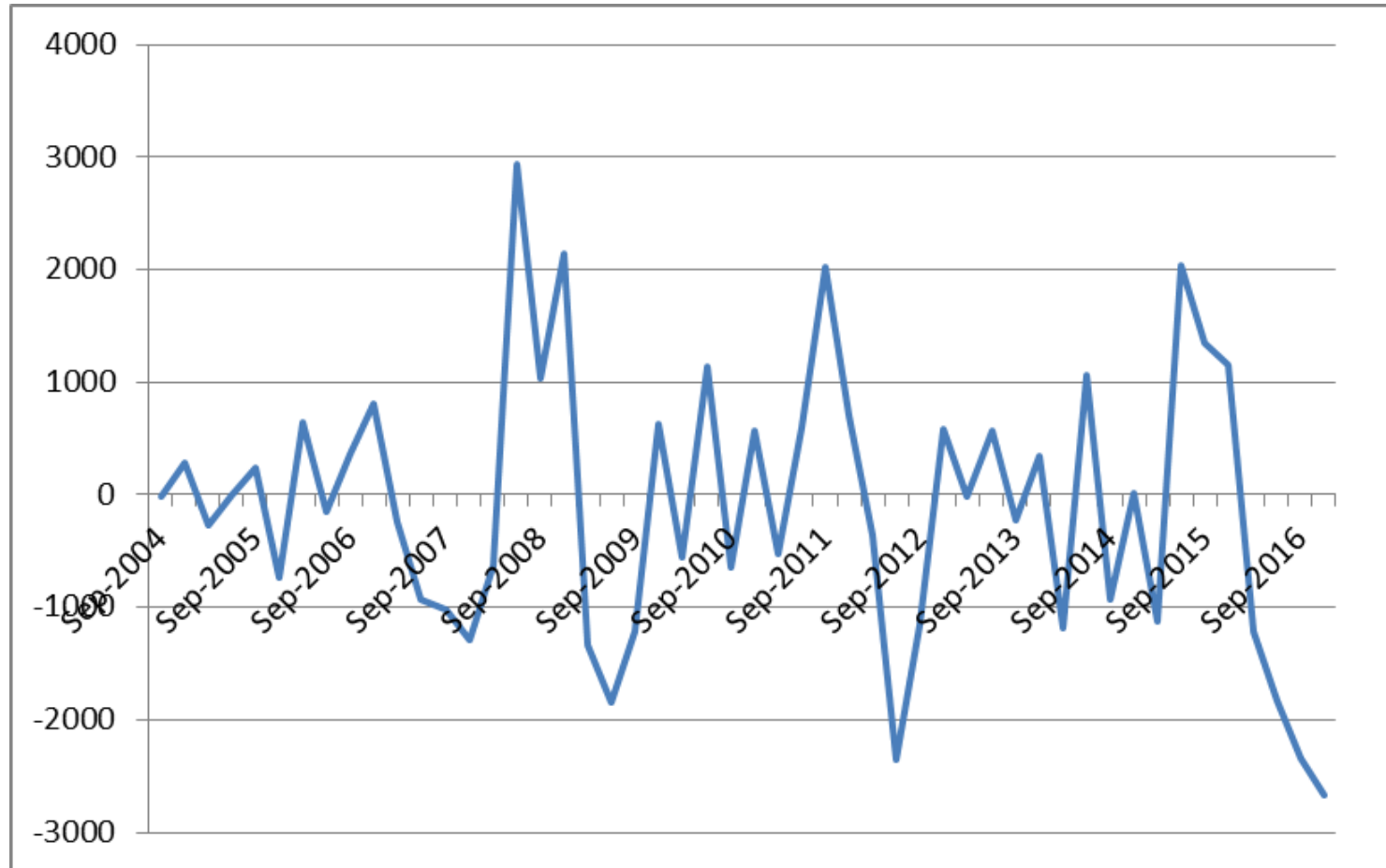
OUTLINE

- Three approaches to GDP and Price indexes
- Clothing and footwear retailing
- Mining commodities.
- Trade in services

GDP and price deflation

- Accurate volume estimates require accurate and appropriate price indices
- Three approaches to GDP
- For quarterly estimates the difference between the three measures falls out in the Statistical Discrepancy
- When considering MNEs need to consider their impact across, expenditure, production and income.

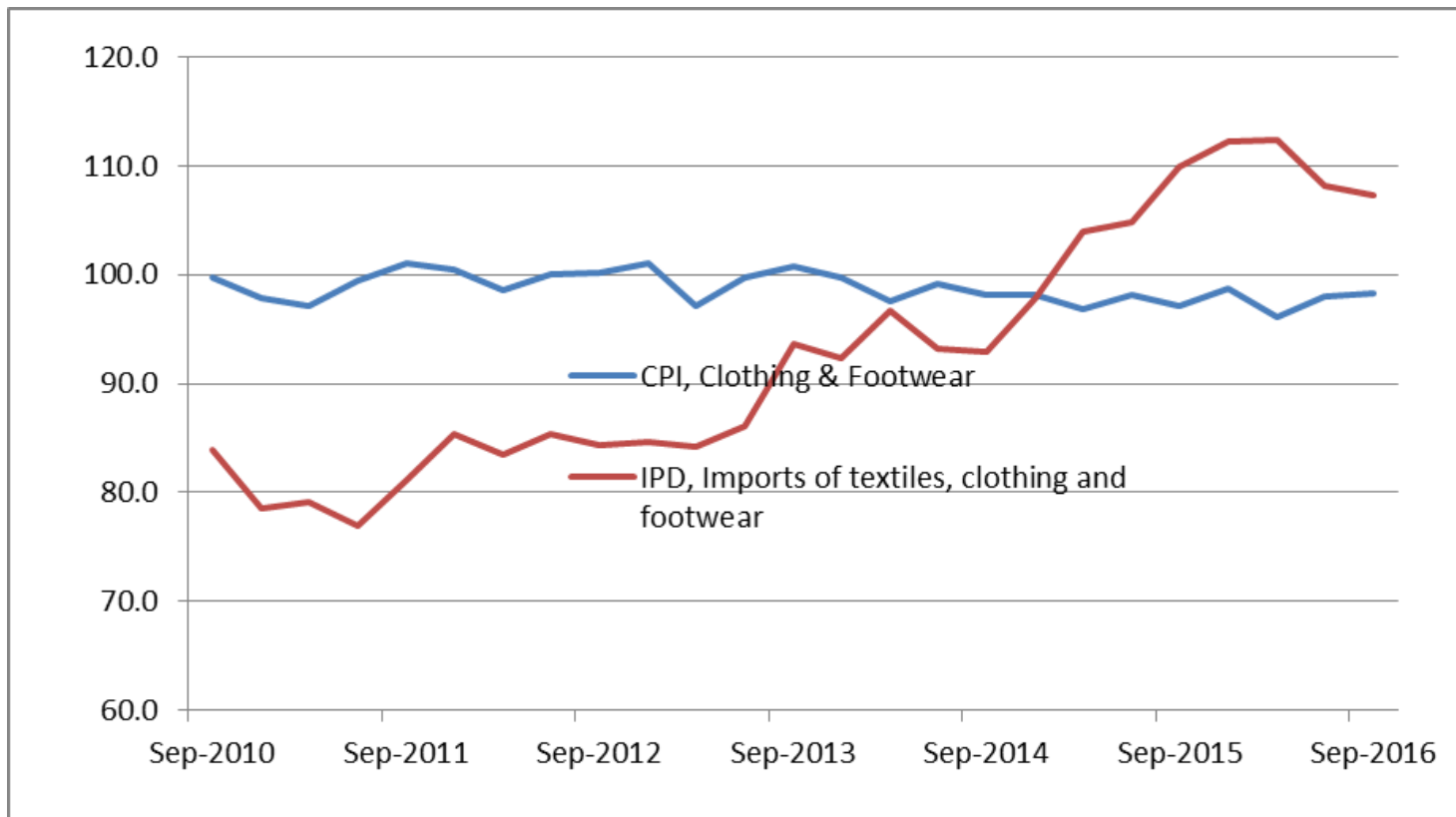
Statistical discrepancy



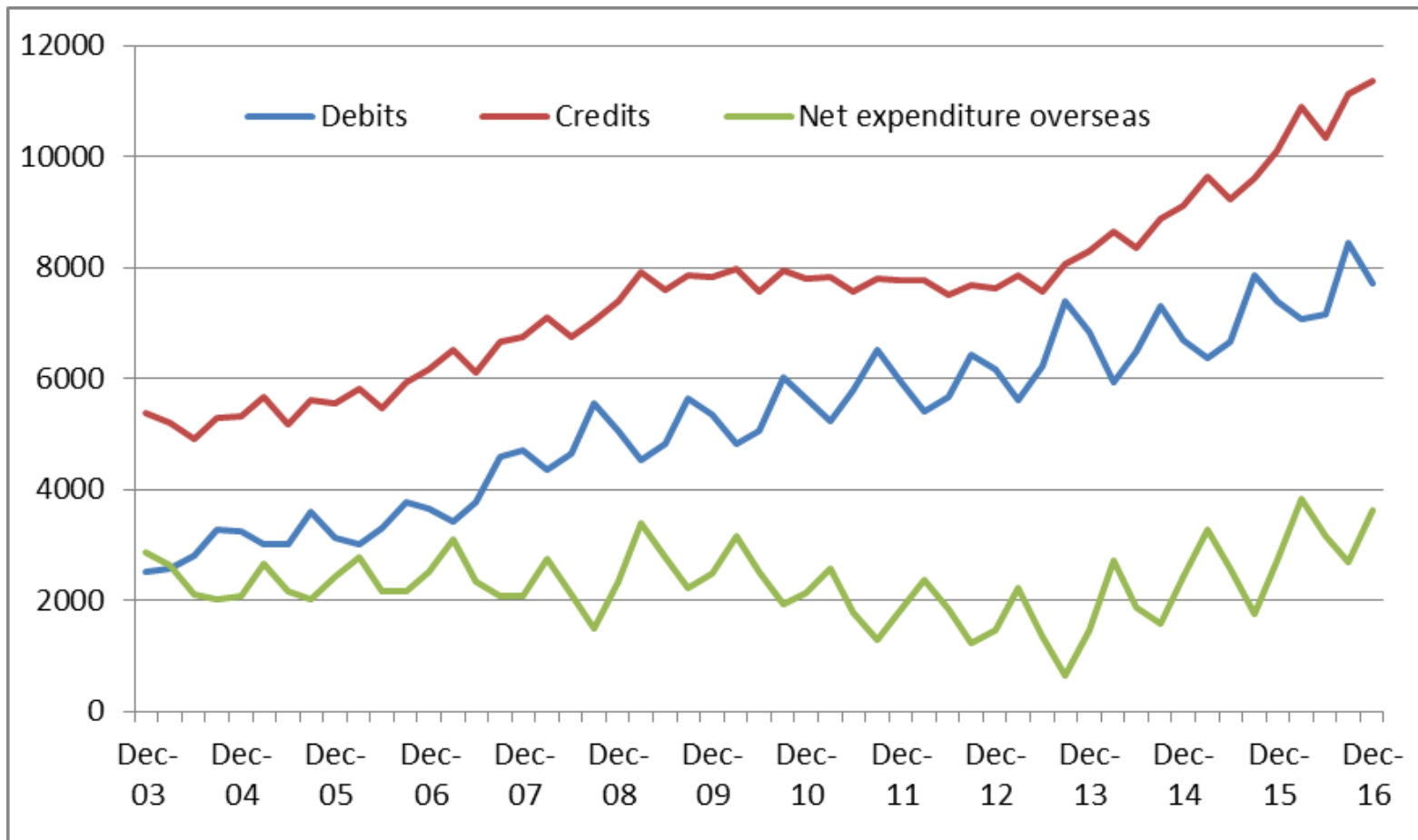
Clothing and Footwear Retailing

- In Australia, dominated by imports from multinationals
- Fast fashion
- Online purchases
- Net expenditure overseas

Domestic and imported prices of C&F

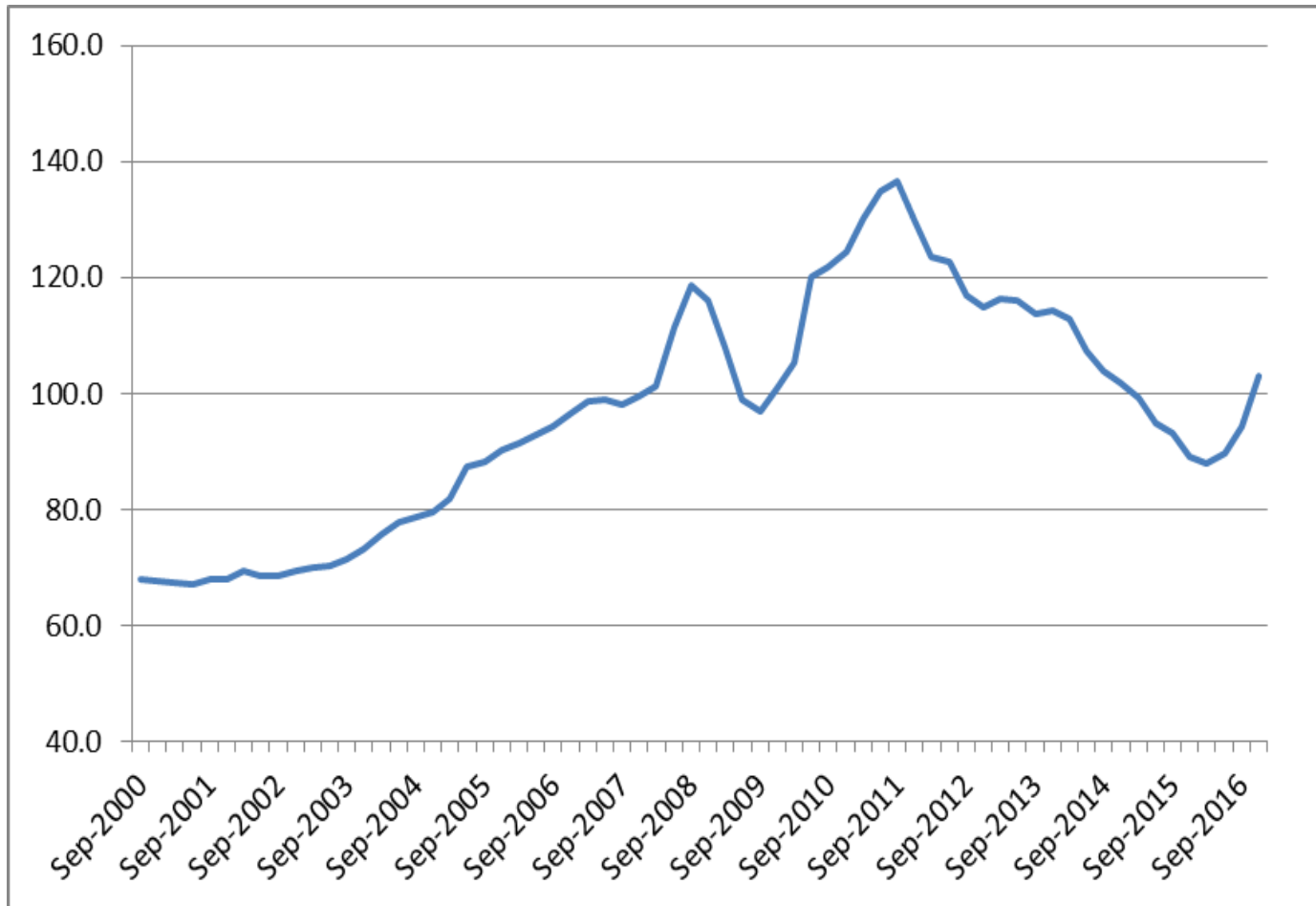


Net expenditure overseas

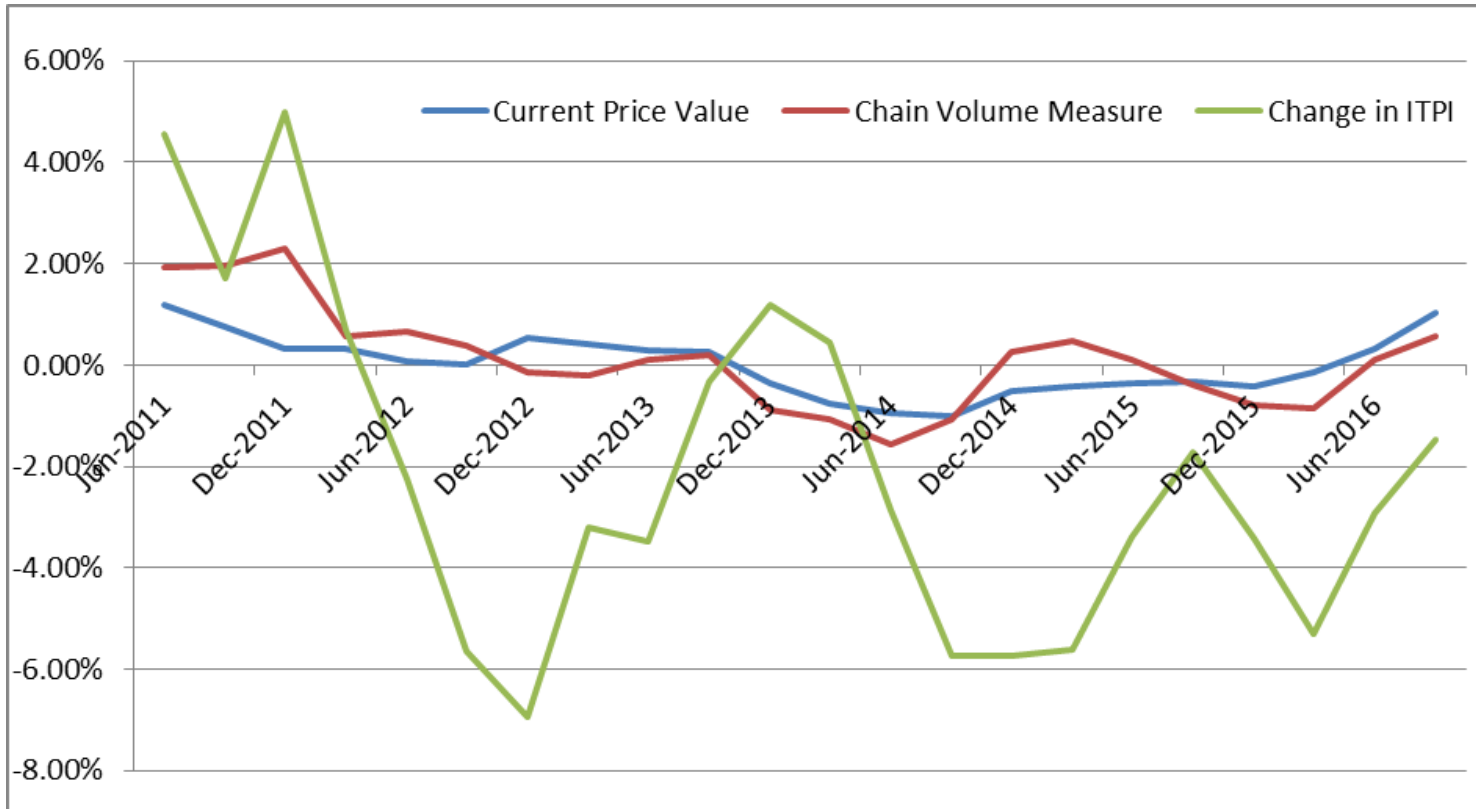


- Exports of coal and iron ore
- Mining industry is dominated by large MNEs, both domestically and foreign owned.
- Terms of trade
- Daily price movements

Terms of trade

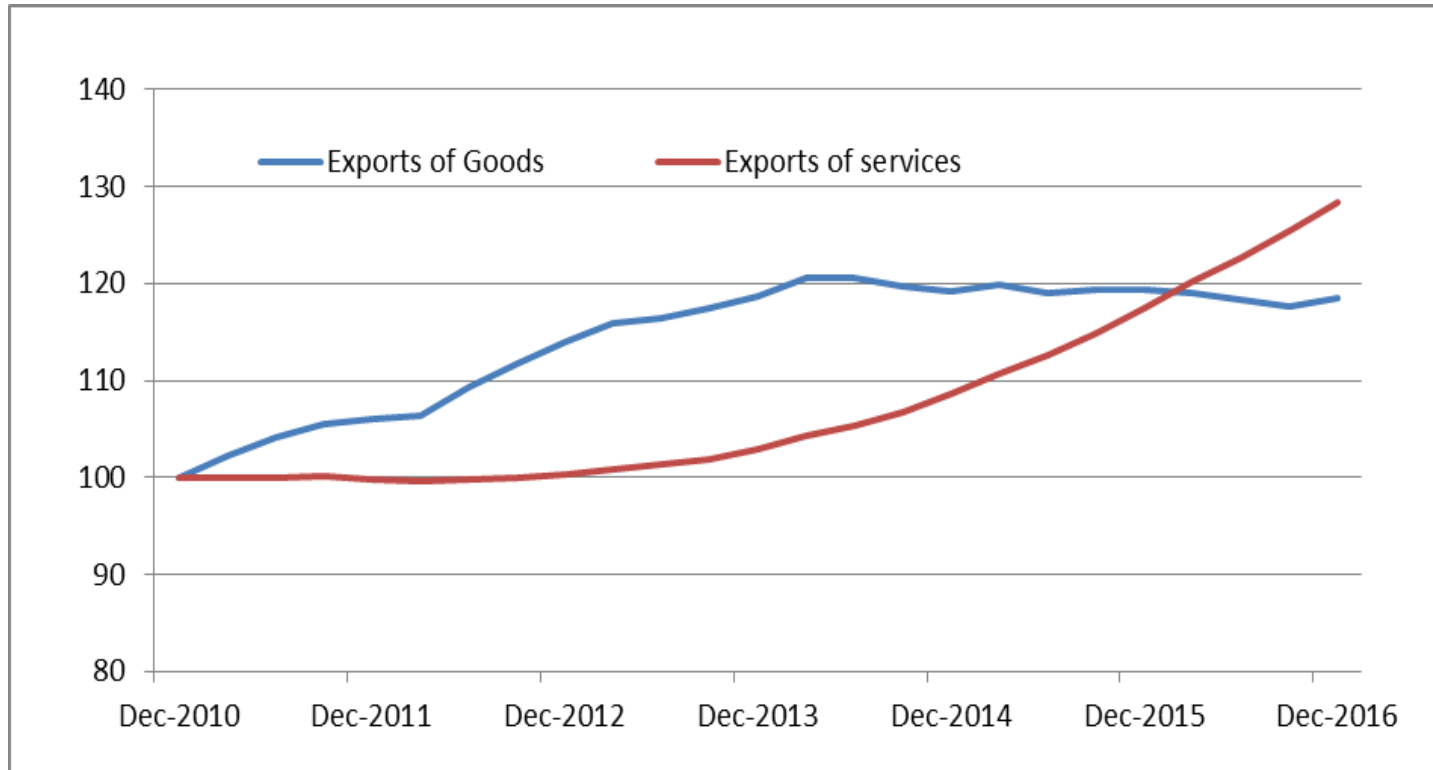


ITPI and revisions to values and volumes



- Currently our third biggest export – Education
- Services price indexes
- Nominal value of services
- Imports of Intellectual property products

Annualised Index of Nominal Exports of goods and services



Final remarks.

- Globalisation is presenting ever increasing challenges for statistical organisations.
- Further research is required to consider how multinationals operate across borders such that appropriate price indexes are used in the estimation of chain volume measures.