

Productivity

From the Bank: Stephanie Parsons (Economic Analysis)

Education

Productivity isn't everything, but in the long run it is almost everything.

Paul Krugman, 'The Age of Diminished Expectations' (1994)

MONEY & MARKETS

Why every Australian worker should care about productivity growth, in one chart





How to Lead Team Meetings in the Most Productive Way

Speech

Productivity, Wages and Prosperity

Philip Lowe [*] Governor

Address to Australian Industry Group

Melbourne - 13 June 2018

Webcast

Audio

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PDF 376KB





13 Things to Put on Your Daily Checklist for Increased Productivity

PRODUCTIVITY

Achieve more great things in less time



How to Focus on Work Better and **Boost Productivity**

Leon Ho



The Most Effective Way to Measure Your Team's Productivity

LEADERSHIP

Great Companies Obsess Over Productivity, Not Efficiency

by Michael Mankins

MARCH 01, 2017

— Opinion

Productivity the forgotten word in modern politics

Outline

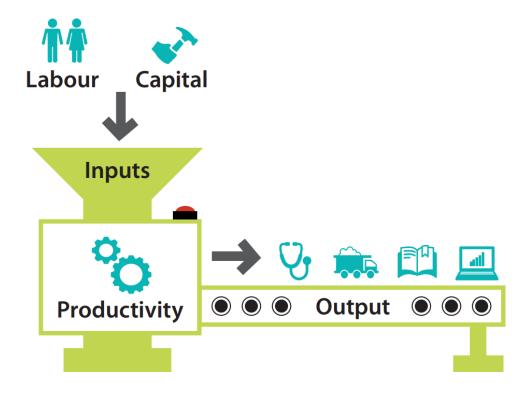
1. What is productivity?

2. Drivers of productivity growth

3. Benefits of productivity growth

1. What is productivity?

A stylised production process



Productivity concepts

1. Labour productivity: Output per worker or per hour worked

Labour productivity — Output

Labour input

Productivity concepts

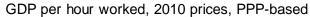
1. Labour productivity: Output per worker or per hour worked

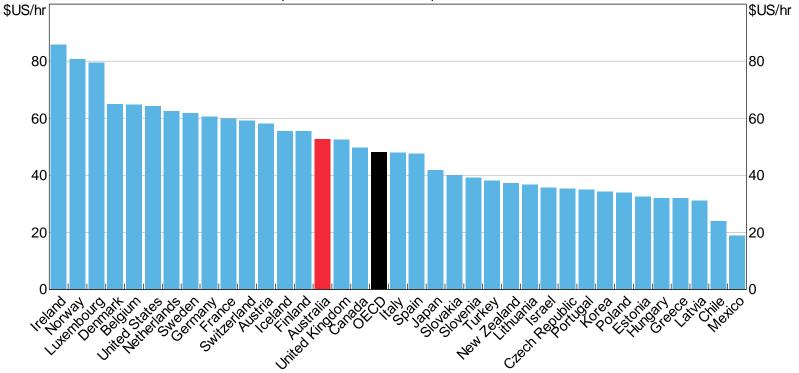


Example:

Suppose a person is employed for 40 hours a week in a toy factory. In a given week, the worker produces 120 dolls. The productivity of the worker in that week is 3 dolls per hour.

Labour Productivity – 2017





Source: OECD

Productivity concepts

1. Labour productivity: Output per worker or per hour worked

2. Multifactor productivity (MFP): Output per unit of combined inputs



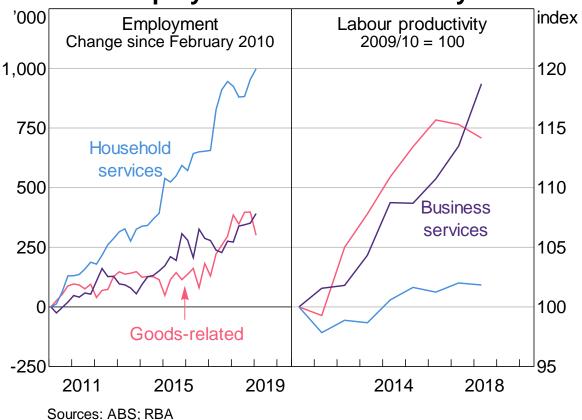
Productivity is not the same as...

total output

efficiency

labour force participation.



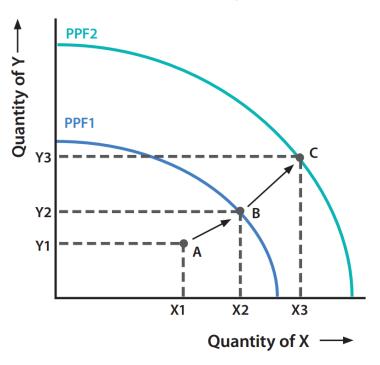


Industry	RBA sector	Market sector (12)	Market sector (16)	Non-market sector
Agriculture, forestry & fishing	N/A	✓	✓	
Mining	Goods production	✓	✓	
Manufacturing	Goods production	✓	✓	
Electricity, gas, water & waste services	Goods production	✓	✓	
Construction	Goods production	✓	✓	
Wholesale trade	Goods distribution	✓	✓	
Retail trade	Goods distribution	✓	✓	
Accommodation & food services	Household services	✓	✓	
Transport, postal & warehousing	Goods distribution	✓	✓	
Information media & telecommunications	Business services	✓	✓	
Financial & insurance services	Business services	✓	✓	
Rental, hiring & real estate services	Business services		✓	
Professional, scientific & technical services	Business services		✓	
Administrative & support services	Business services		✓	
Public administration & safety	N/A			✓
Education & training	Household services			✓
Health care & social assistance	Household services			✓
Arts & recreation services	Household services	✓	✓	
Other services	Household services		✓	

2. Drivers of productivity growth

Drivers of productivity growth

Production Possibility Frontiers



 $A \rightarrow B$

Efficiency improvements

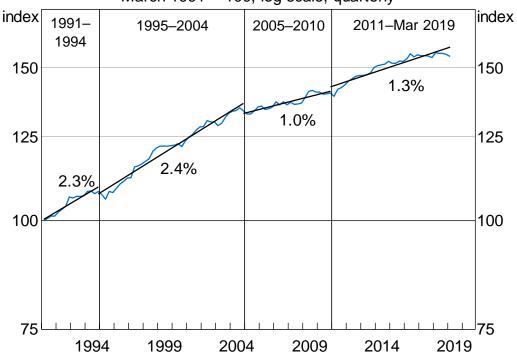
 $B \rightarrow C$

Expanding productive capacity

+ Spillovers between firms

Labour Productivity*

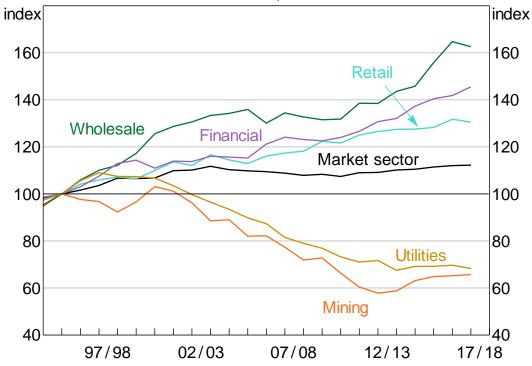
March 1991 = 100, log scale, quarterly



* GDP per hour worked; black lines denote linear trend; labels show average annual growth

Multifactor Productivity by Industry*

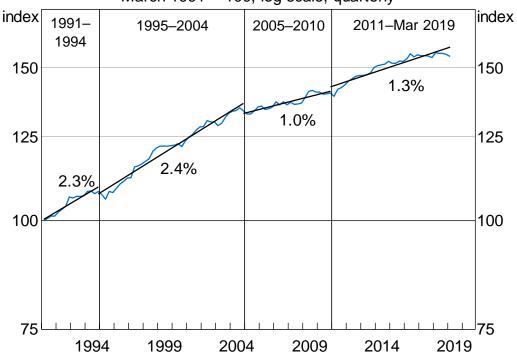
Selected industries, 1995/96 = 100



* Quality-adjusted hours basis

Labour Productivity*

March 1991 = 100, log scale, quarterly

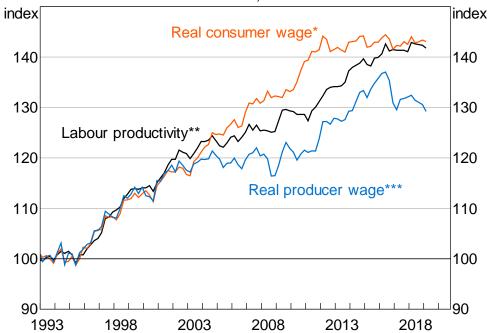


* GDP per hour worked; black lines denote linear trend; labels show average annual growth

3. Benefits of productivity growth

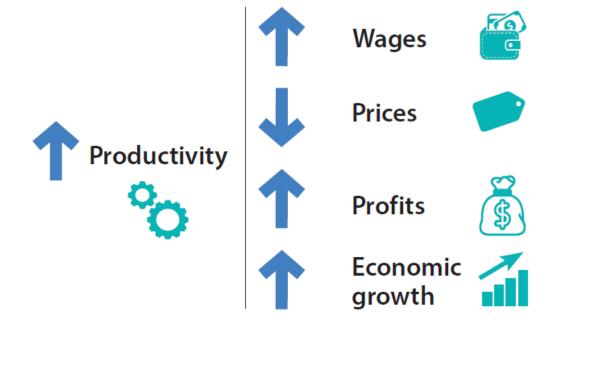
Productivity and Real Wages

Non-farm sector, 1993 = 100

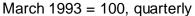


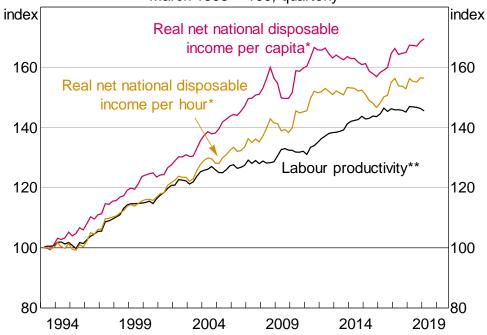
- * Ratio of aveage hourly earnings to the household consumption deflator
- ** Real GDP per hour worked
- *** Ratio of average hourly earnings to the GDP deflator

Benefits of productivity growth



Productivity and Real Income





- Real GDP adjusted for the purchasing power effects of changes to the terms of trade, depreciation of the capital stock and net income transfers to the rest of the world
- ** Real GDP per hour worked