RESERVE BANK OF AUSTRALIA

Exchange Rates From the Classroom: Ian Bullock (Educators Advisory Panel)

Education

Coverage of Exchange Rates in State Syllabi

1. Measurement and types of exchange rate regimes

- Fixed, Managed, Floating
- 2. Factors affecting exchange rates Demand and Supply
 - Interest rates, Demand for X & M, Terms of Trade, Capital flows, Inflation differentials

3. Effects of exchange rates on ... the domestic economy

CAD, Macroeconomic goals or sectors of the economy, Allocation of resources

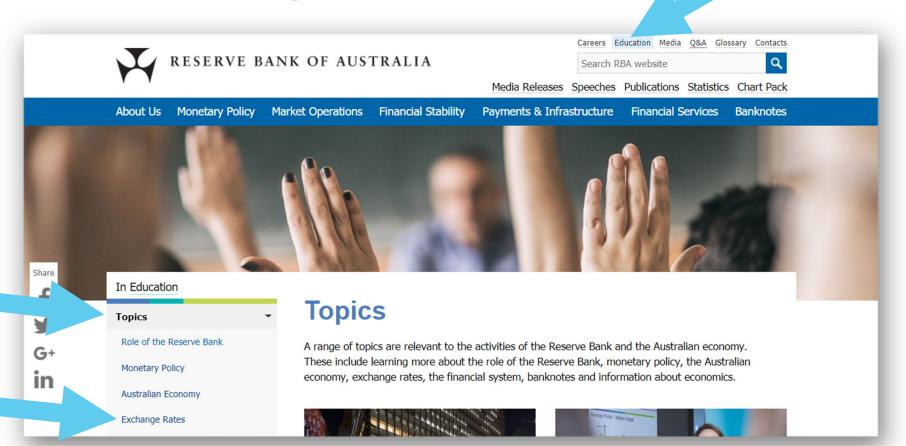
4. Policy responses

RBA and Government

5. Terms of Trade

Not all but a majority

Where to go?



Home > Education > Topics > Topics: Exchange Rates

In Education

Topics	•
Role of the Reserve Bank	
Monetary Policy	
Australian Economy	
Exchange Rates	
Financial System	
Banknotes	
About Economics	
Resources	•
Talks and Events	•
About the Program	•
Contact Us	

Exchange Rates

An exchange rate is the value of one currency in terms of another currency. The exchange rate can have an important influence on economic activity, inflation and the balance of payments in a small open economy such as Australia.

Exchange rates are measured in different ways and, over the years, there have been different operational arrangements for determining the value of Australia's exchange rate. Currently, Australia has a floating exchange rate, and it is the fifth most traded currency in foreign exchange markets.

Videos

International Market Operations

Watch Deputy Governor Guy Debelle explain why the Reserve Bank operates in the foreign exchange market.



View transcript

Available Resources

Videos 🕖

Explainers 🕖

Snapshots 🕖

Chart Pack

Presentations 0

Learning Activities 🕖

Explainers

Exchange Rates and the Australian Economy

Explains how changes in the value of the Australian dollar affect economic activity and inflation in Australia, along with the nation's balance of payments. ange Ades and De

1. Measurement and types of exchange rate regimes

www.rba.gov.au witter.com/RBAInfo

ww.youtube.com

Explainer: Exchange rates and their measurement



RESERVE BANK OF AUSTRALIA

Exchange Rates and their Measurement

An exchange rate is a relative price of one currency expressed in terms of another currency (or group of currencies). For economies like Australia that actively engage in international trade, the exchange rate is an important economic variable. Changes in it affect economic activity, inflation and the nation's balance of payments. (See Explainer: Exchange Rates and the Australian Economy.) The Australian dollar is also the fifth most traded currency in foreign exchange markets.

The Australian dollar is also the fifth most traded currency in foreign exchange markets. There are different ways in which exchange rates are measured and, over the years, there have been different operational arrangements for they purchase inputs to production from other countries and enter contracts to export their goods and services elsewhere.

Cross rates

Bilateral exchange rates also provide a basis for calculating 'cross rates'. A cross rate is an exchange rate calculated by reference to a third currency. For instance, if the exchange rate for the euro (EUR) against the US dollar is known as well as for the Australian dollar against the US dollar, the exchange rate between the euro and the Australian dollar (EUR/AUD) can be calculated by

Learning Activities Tab (LHS)

build different skills through meaningful learning experiences.

Opening the Vault

Guides students through how to find the information they need on the RBA website.

Activity: Opening the Vault PDF 93KB



Unpacking Publications

Helps students familiarise themselves with RBA publications and provides some tips to make the most of the information provided.

Activity: Unpacking Publications PDF 84KB

Read and Rehash

Guides students through how to make the most of RBA publications.

Activity: Read and Rehash PDF 334KB



Activity **Read and Rehash**

RESERVE BANK OF AUSTRALIA



A reading strategy for RBA publications

Skim and scan the text.

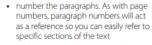


Predict what the text is about by:

- reading the title
- skimming sub-headings and diagrams
- reading the introduction and conclusion



Reread and mark the text.



- circle key terms or terms you don't understand or you feel are important
- develop a glossary of unfamiliar terms
- · highlight the main ideas.

Pause to connect ideas within the text.

 connect what is said to the visuals in the text. (Ask questions such as 'How does this section connect to the previous section?').

The RBA releases many publications that are up-to-date and useful for students. Some of them, however, have complex concepts. This infographic is designed to guide you through the process of how to make meaning from the range of publications released by the RBA. Use this process to read any publication on the RBA website.



Write summary statements in the margin.

- For each paragraph, look for:
- the topic sentence (often the first sentence which tells you the topic of the paragraph)
- supporting evidence or additional associated detail that follows
- any analysis or concluding statements within the paragraph.

Activity

Resource and an

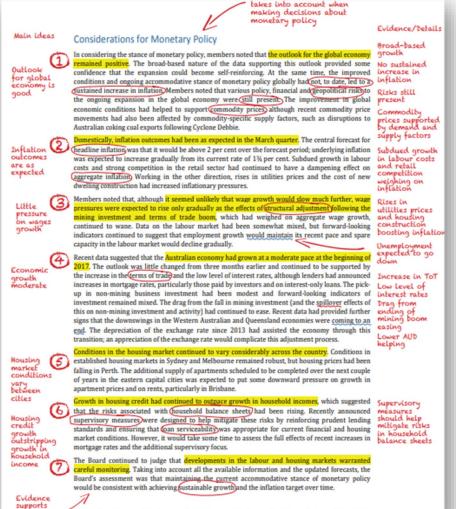
Combining a

Compose a tweet to give a succinct summary of the text.

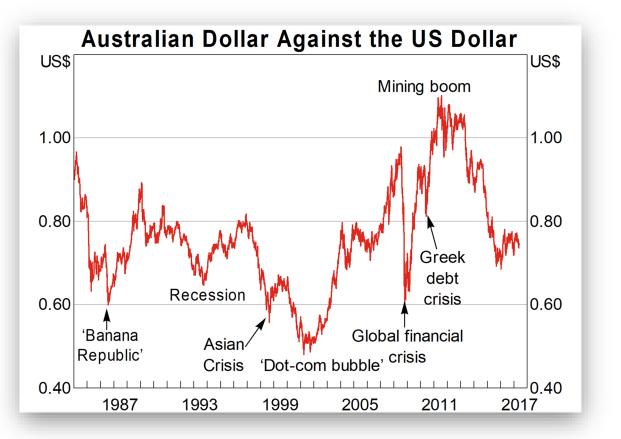
Remember a tweet can only be 140 characters. Share your tweet with other students.



Group/categorise the ideas and link to broad economic concepts/ideas/objectives.



"Read and rehash"

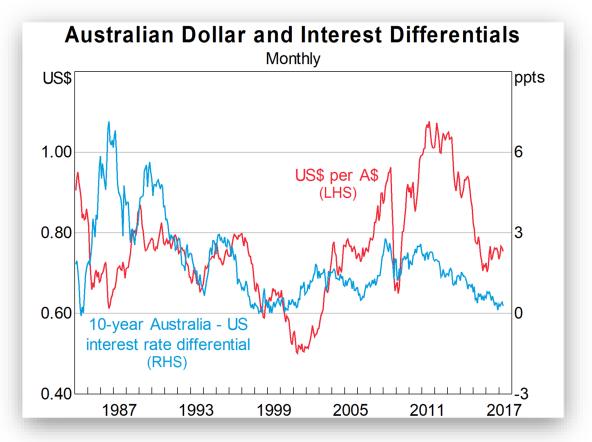


Using the Chart Pack:

Look for general trends ...

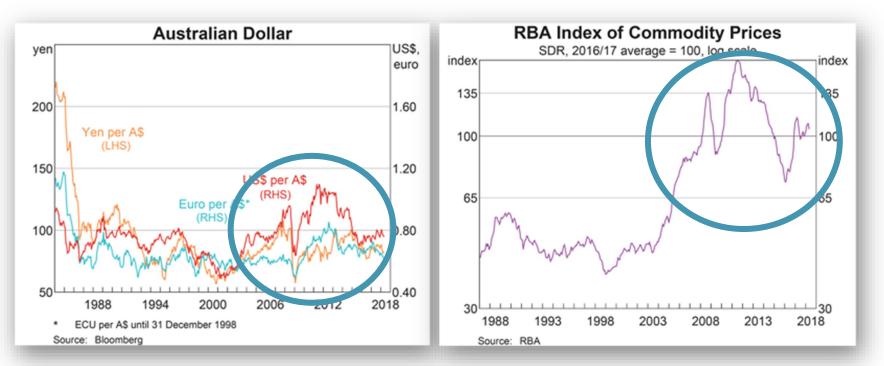
... then identify specific changes and reasons

... then link to a Dd/Ss diagram



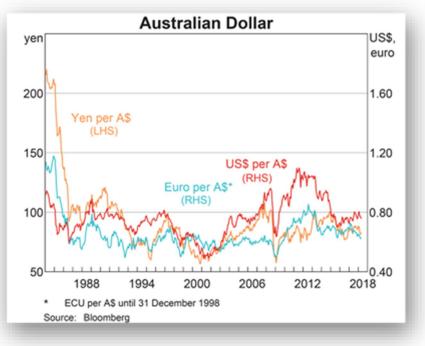
Explain how interest impacts on Demand for AUD through Dd/Ss diagram Highlight:

- 1. Correlations
- 2. Divergences
- 3. Lags



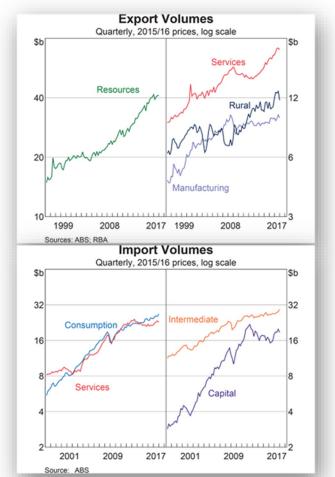
How have Commodity Prices affected the AUD?

Students to identify the relationship



Consider: GFC & beyond

Is this 'cause or effect'?



Explainer: Exchange Rates and the Australian Economy

RESERVE BANK OF AUSTRALIA

Exchange Rates and the Australian Economy

www.rba.gov.au twitter.com/RBAInfo

An exchange rate is the value of one currency in terms of another currency. Exchange rates matter to Australia's economy because of their influence on trade and financial flows between Australia and the rest of the world. Changes in exchange rates affect the Australian economy in two main ways:

There is a **direct effect** on the prices of goods and services produced in Australia relative to the prices of goods and services produced overseas.

There is an **indirect effect** on economic activity and inflation as changes in the relative prices of goods and services produced domestically and overseas influence decisions about production

0

Together these effects also have implications for the balance of payments. This Explainer describes the effects of exchange rate movements and highlights the main channels through which these changes affect the Australian economy.

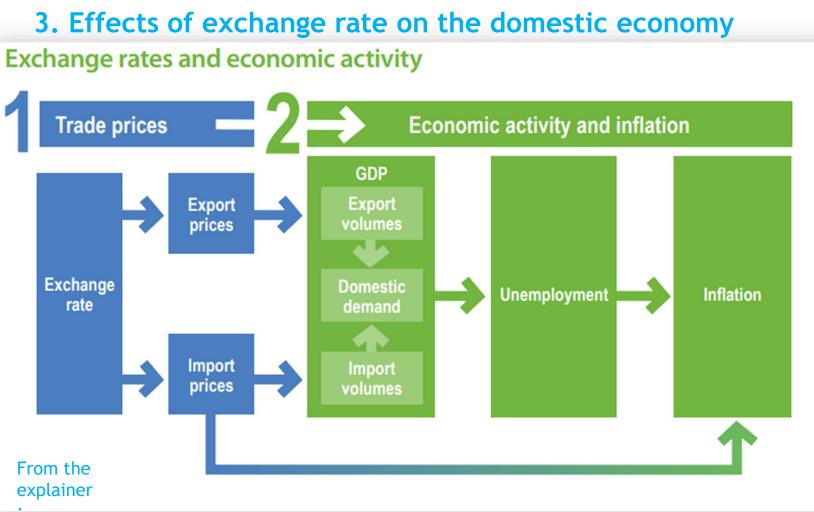
If the exchange rate between the Australian dollar and the US dollar is 0.75 then one Australian dollar can be converted into US75c. An increase in the value of the Australian dollar is called an appreciation. A decrease in the value of the Australian dollar is known as a depreciation.



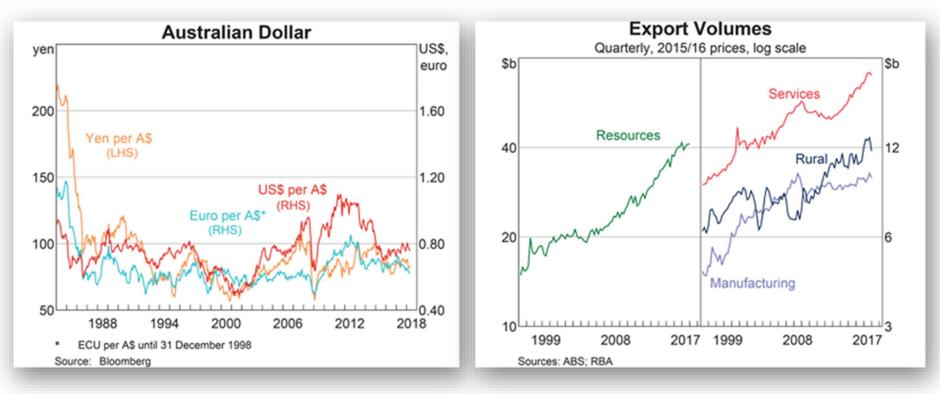
Flip the classroom:

1. Read and Rehash

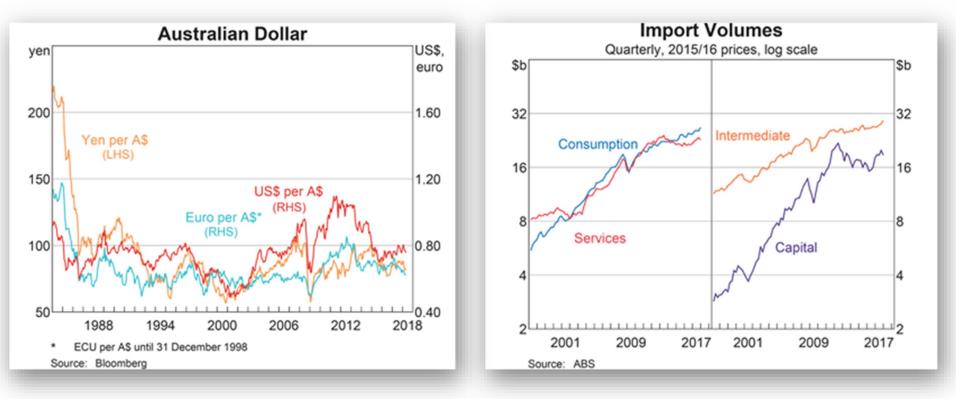
2. Students find evidence from Chart pack to support findings



DIRECT EFFECT:

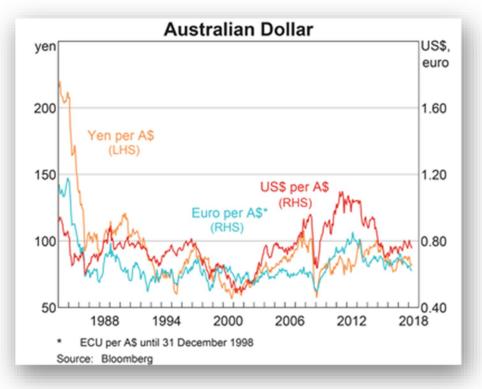


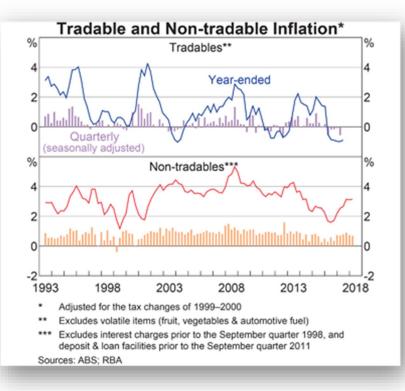
... or is this a 'cause'? ... or both?



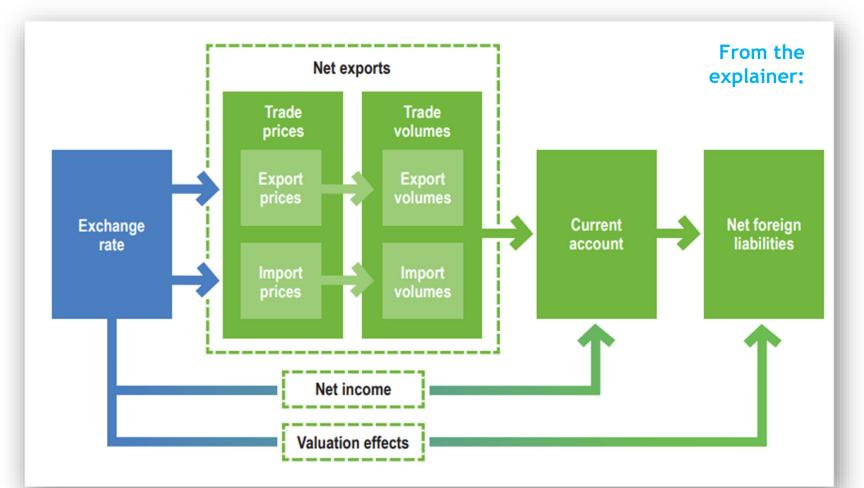
INDIRECT EFFECT:

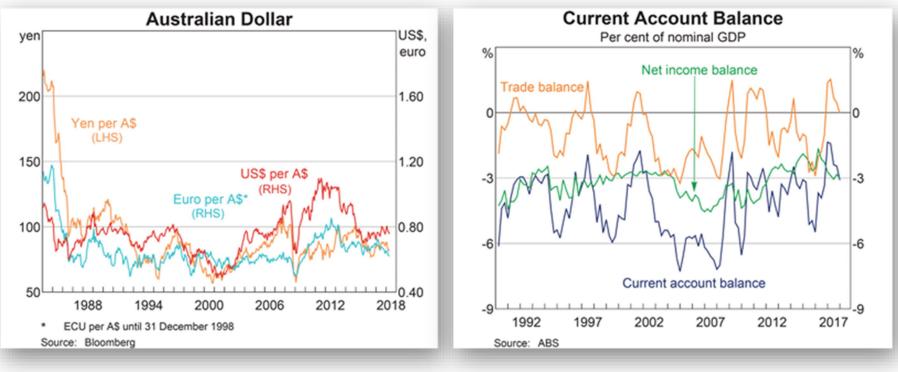
Students to identify the correlation





INDIRECT EFFECT: ... **on Inflation** (Demand and Imported)





INDIRECT EFFECT:

Compare: similarities and differences

Trade balance and \$A

Why trade surpluses since 2008 and \$A?

4. Policy responses

Media Release Statement by Philip Lowe, Governor: Monetary Policy Decision

 Number
 2018-14

 Date
 5 June 2018

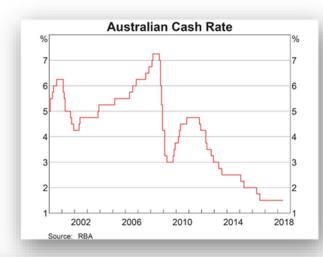
At its meeting today, the Board decided to leave the cash rate unchanged at 1.50 per cent.

The global economy has strengthened over the past year. A number of advanced economies are growing at an above-trend rate and unemployment rates are low. The Chinese economy

continues to grow solidly, with the authorities paying increased attention to the side in the financial sector and the sustainability of growth. Globally, inflation increased in some economies and further increases are expected g As conditions have improved in the global economy, a number of c some monetary stimulus and further steps in this direction are exp

The Australian dollar remains within the range that it has been in over the past two years. An appreciating exchange rate would be expected to result in a slower pick-up in economic activity and inflation than currently forecast.

The low level of interest rates is continuing to support the Australian economy. Further progress in reducing unemployment and having inflation return to target is expected, although this progress is likely to be gradual. Taking account of the available information, the Board judged that holding the stance of monetary policy unchanged at this meeting would be consistent with sustainable growth in the economy and achieving the inflation target over time.



So? What else is there?

Terms of Trade case study

'Read and Rehash'

> Chart Pack

RESERVE BANK OF AUSTRALIA

Australia and the Global Economy – The Terms of Trade Boom

Australia is a relatively open, trade-exposed economy. This means that changes in other countries' demand for our goods and services can have significant implications for our economy. For example, an increase in global demand for Australia's exports, if not matched by an increase in supply, will result in an increase in the price of those exports.

The ratio of export prices to import prices is called the terms of trade. This Explainer outlines the effects of the 2005–11 terms of trade boom on the Australian economy.

What Caused the Terms of Trade Boom?

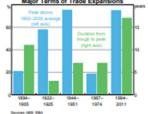
The terms of trade boom was driven by very large increases in the prices of some of Australia's commodity exports. Australia has plentiful supplies of natural resources, including the second largest accessible reserves of iron ore in the world, the fifth largest reserves of coal and significant gas resources. For a long time, commodities have made up a sizeable share of our exports.

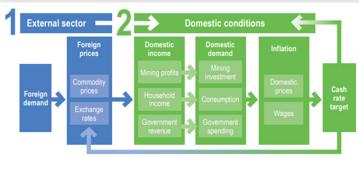
From the mid 2000s, the prices for commodities used to produce steel and generate energy – including iron ore, coal and natural gas – rose sharply. This was because global demand for these commodities increased significantly and supply was unable to keep up. The increase in global demand owed to a large increase in global demand owed to a large increase in dubanisation and industrialisation in China and some other emerging economies. Uthanisation (the movement of people from rural areas to towns and cities) and industrialisation (the development of manufacturing industries) requires investment in new housing, factories and transport infrastructure – all of which use steel in their construction.

www.tta.gov.ss

As a result, Australia's terms of trade reached very high levels. In fact, in 2011, the terms of trade were around 75 per cent above the average of the preceding century. This was also a longer terms of trade expansion than in previous episodes.







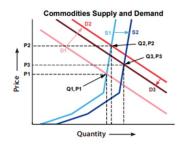
2 RESERVE BANK OF AUSTRALIA | Education

Australia and the Global Economy - The Terms of Trade Boom

slowed (demand shifted back in from D2 to D3). The combined effect of this increase in supply and fall in demand was a decline in commodity prices and Australia's terms of trade (with prices falling from P2 to P3 and quantities increasing from Q2 to Q3).

This decline in the terms of trade had the opposite effect on the economy of the increase in the terms of trade. Falling commodity prices weighed on growth in GDP, employment, profits, wages and fiscal revenues, as well as on inflation. In response, the Reserve Bank Board cut the cash rate target.

The effects of the falls in commodity demand and prices were felt most in the mining sector and the key mining states of Western Australia and Queensland, but were also evident across the country.



relatively contained as the terms of trade rose. And on the way down – even as commodity prices fell sharply and mining investment declined – growth in GDP, employment and wages was only a little weaker than average.

So? What else is there?

Other Resources



Resources

The Reserve Bank's public education program has developed resources for educators, students and the general public. The resources have been developed with education specialists and professionals to support an array of learning experiences.















So? What else is there?

RBA Speeches

In Speeches	
2011–2018	•
2001–2010	×
1990-2000	•
Filters	
All Governors' Speeches)
Speeches by Philip Lowe	
All Deputy Governors' Speeches	¥
Speeches by Guy Debelle	
Testimonies before Parliament	

¥	RESERVE B	ANK OF AUS	TRALIA	Media Releases	Search R	ducation Media BA website Publications		Q
About Us	Monetary Policy	Market Operations	Financial Stability	Payments & Infra	structure	Financial S	ervices	Banknotes

Speeches RSS Feed of Speeches RSS Feed of Speech Webcasts Senior officers of the Reserve Bank give speeches and participate in panel discussions on a

broad range of topics related to its role and functions. These are part of the Bank's efforts to promote understanding of its decision-making and facilitate accountability to accompany its operational independence.

2018

Some Features of the Australian Fixed Income Market – Tokyo 6 June 2018 Christopher Kent, Assistant Governor (Financial Markets) Download POF 612KB

What Happened to the Study of Economics? – Sydney 26 May 2018 Jacqui Dwyer, Head of Information Department Download PDF 385KB

They provide Graphs and Charts not seen in Chart Pack

Speech The Outlook for the Australian Economy

Guy Debelle [*] Deputy Governor

Opening Keynote at the CFO Forum Sydney – 15 May 2018

Today I would like to talk about the Bank's outlook for the Statement on Monetary Policy (SMP) earlier this month.¹ from the previous set of forecasts we released three mon both domestically and globally, has been evolving general

When reading through the Bank's forecasts, I think it is u question to ask is: are these revisions to the Bank's outlo decision? Similarly you can ask, do I think these changes household or my business? A tenth or two of a percentag GDP or inflation is unlikely to matter that much for any of reflect the new information that has come to hand over ti

Speech Household Indebtedness and Mortgage Stress

Michele Bullock [*] Assistant Governor (Financial System)

Address to the Responsible Lending and Borrowing Summit Sydney – 20 February 2018



Thank you for the opportunity to be here today. The title of the summit, 'Responsible Lending and Borrowing – Risk, Responsibility and Reputation', really struck a chord with me because there has been much discussion over the past few years about housing prices and the increasing debt being taken on by the household sector.

The Reserve Bank's interest in this area springs from both its responsibility for monetary policy and its mandate for financial stability. From the perspective of monetary policy, high debt levels will influence the calibration of interest rate changes. The more debt households have, the more sensitive their cash flow, and hence consumption, is likely to be to a rise in interest rates. Households with higher debt levels may also sharply curtail their consumption in response to an adverse shock such as rising unemployment or large falls in house prices, amplifying any economic

Speech

Three Questions About the Outlook

Luci Ellis Assistant Governor (Economic)

Address to the ABE Conference Sydney – 13 February 2018



efly summarise our current thinking as been picking up since mid 2010 we came into the new year, we a ok for the global economy.

Speech Skills for the Modern Workforce

Alexandra Heath [1*] Head of Economic Analysis Department

Remarks to the Victorian Career Advisors conference Melbourne – 1 December 2017



It isn't hard to find commentary about the fact that the nature of work is changing, potentially in quite profound ways. This means that the skills young people will need to negotiate the new landscape of work need to change as well. But what does it all mean for students who must decide what subjects to choose in high school or what they should do after school?

It is difficult to answer this question in general, because each young person is different in their skills, preferences and aspirations. The best we can do is to make sure they have good information about the options they have available. Plenty of studies have shown how important parents (and their life experiences) are as sources of information about subject and career choices. Young adults (and their parents) also look to career advisors for information and advice.

Today, I'm going to give you some information about how the skills used in the workforce have been changing over time to help you frame the discussions you have with your students. I'm also going to take a bit of time to advocate for economics as a discipline of study that provides skills that are likely to be valuable in the future workforce.

General Trends

So, let's start with general trends. This graph shows where employment growth has been coming

An aside: - Subject Selection: Promoting Economics

YouTube *

Speech

Skills for the Modern Workforce

Alexandra Heath Head of Economic Analysis Department

Remarks to the Victorian Career Advisors conference Melbourne - 1 December 2017

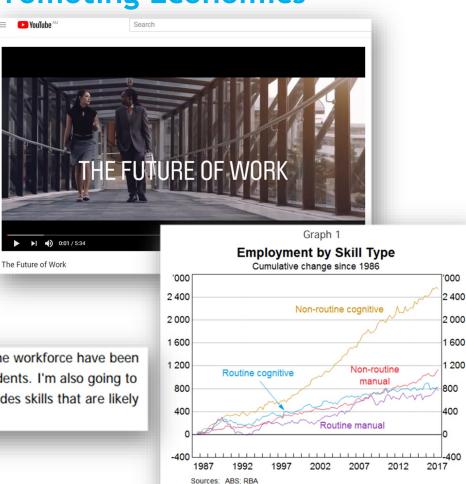


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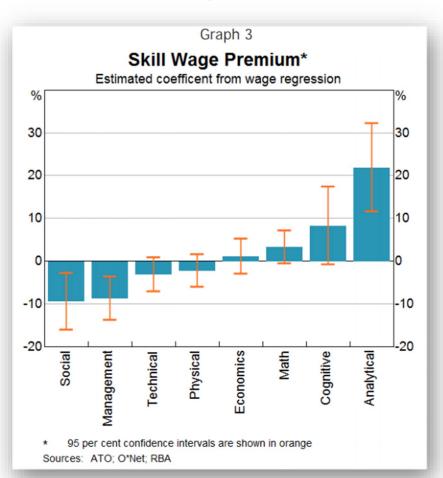
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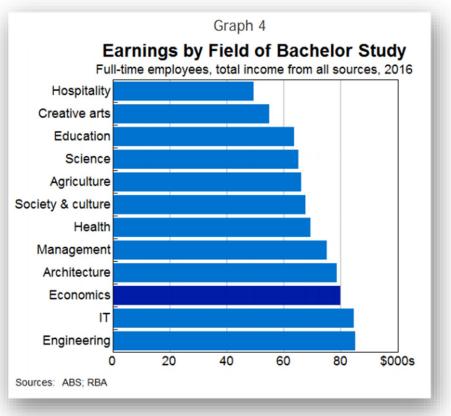
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Cognitive skills of Economics



Promoting Economics - "Show me the money!!"





Graphs and 'content'

So? What else is there?

Statistics

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About Us Monetary Policy	Mark	et Operations	Financial Stability	Payments & Infra	structure	Financial S	ervices	Banknotes	
Home > Statistics > Statistical Releases	> Exchan	je Rates							
In Statistics Statistical Releases	•	Exchang	e Rates						On This
Financial Aggregates	*	RSS Feed of	Exchange Rates 🛚						> Graphs
Exchange Rates		Exchange rates New South Wa	s are published daily e ales.	except on public and	bank holida	iys observed ir	١		> Related In
Weights for the TWI Weights for the ICP	•	Latest Exc	change Rates						
Economic and Financial Statistics	•	Units of Fore	eign Currencies pe	r Australian Dolla	r				
Statement of Liabilities and Asset	s			04 Jun 20)18	05 Jun 2018	C)6 Jun 2018	
Cash Rate		United States do	ollar	0.76	i15	0.7633		0.7664	
Chart Pack		Chinese renmin	bi	4.88	388	4.8936		4.8976	

So? What else is there?

Publications:

L	RESERVE I	BANK OF AUS	TRALIA			BA website	Q&A Gloss	Contacts
				Media Releases	Speeches	Publications	Statistics	Chart Pack
About Us	Monetary Policy	Market Operations	Financial Stability	Payments & Infra	structure	Fine stal S	iervices	Banknotes
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Minutes	and the	Publicat	ions					

Minutes	•
Statement on Monetary Policy	•
Financial Stability Review	•
Bulletin	•
Annual Reports	•
Corporate Plan	
Research Discussion Papers	•
Conferences	•
Workshops	•
Submissions	•
Consultations	
Order Form	

Minutes

Minutes of the monetary policy meetings of the Reserve Bank Board are published two weeks after each meeting, and explain the monetary policy decision. The Reserve Bank Board normally meets eleven times each year, on the first Tuesday of each month, except January.

View the latest Minutes →

Statement on Monetary Policy

The Statement on Monetary Policy sets out the Bank's assessment of current economic conditions, both domestic and international, along with the outlook for Australian inflation and output growth. A number of boxes on topics of special interest are also published. The Statement is issued four times a year.

View the latest Statement on Monetary Policy ----

Financial Stability Review

The Financial Stability Review provides the Bank's assessment of the current condition of the financial system and potential risks to financial stability. It contains a number of boxes on topics of special interest, along with occasional articles. The Review is issued half-yearly.

View the latest. Financial Stability Review and snapshot →

Bulletin

The Bulletin contains articles that discuss economic and financial developments as well as the Bank's operations. Published monthly until December 2009 and thereafter guarterly.

View the latest Bulletin →

Publications:

Board minutes

"Read and rehash" perhaps??

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RESERVE	BAN	K OF AUS	TRALIA		Search F	RBA website	Contract (1)
• •				Media Releases	Speeches	Publications Statistic	cs Chart Pa
About Us Monetary Policy	Mar	ket Operations	Financial Stability	Payments & Infra	structure	Financial Services	Banknot
Home > Monetary Policy > Minutes >	2018 > 1	May 2018					
In Monetary Policy							
About Monetary Policy			of the Monet		leeting	1	
Agreement on Framework		of the R	eserve Bank	Board			
Inflation Target		Adelaide – 1	May 2018				
Interest Rate Decisions	•	Members	Present				
Minutes	-		overnor and Chair), G				
2011-2018	-	Kathryn Fagg,	John Fraser, Ian Harp	er, Allan Moss AO, C	arol Schwa	rtz AM, Catherine Tanı	na
2018		Others Pr	esent				
2017			stant Governor, Econo			nt Governor, Financial agliarini (Representativ	10
2016		China)	ney Jones (nead, Inter	national Department	i), Adam Ci	agilarini (Representativ	, e,
2015		Anthony Dickn	nan (Secretary), Andre	a Brischetto (Deputy	Secretary))	
2014		Domestic	Economic Con	ditions			
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2006-2010	•		ad to a gradual pick-u				
Statement on Monetary Policy						ank's expectations. Inf e year in both headline	
			-	•		been for tobacco, follo e prices of tradable go	-

Publications:

Statement of Monetary Policy

Excellent Charts and 'boxes'

				Media Releases		_	_	
About Us Monetary Policy	Mark	et Operations	Financial Stability	Payments & Infra	structure	Financial S	ervices E	Bank
Home > Publications > Statement on I	fonetary Po	olicy > 2018 > Staten	ment on Monetary Policy – M	ay 2018				
In Publications		Chathan		Deller				
Minutes	. F.	May 2018	nt on Moneta	ry Policy				
Statement on Monetary Policy	-	May 2010						
2018	•	RSS Feed of	f Statement on Moneta	ry Policy 🖪				
Мау								
February		The Statem	ent on Monetary Policy	sets out the Bank's	assessment	t of current		
Boxes			onditions, both domestion inflation and output		-			
2017	. •		est are also published.					
2016	. •		18 issue of the Statem					
2015	. •	-	the structure and form apter `The Internationa				*	
2014	. •		'International Econom hange Markets' chapte				c for global	
2013	×	growth. Sec	tion headings within ch	· · · · · · · · · · · · · · · · · · ·			-	
2012	•	content.	ne complete <i>Statemen</i>	0.0740				
2011		Download tr	ie complete <u>statement</u>	NOL 210/MB				
2001-2010	. •	Overview					Download Pt	DF 84
1997-2000		The Interr	national Environment				Download Pt	_
Financial Stability Review		Box A: Rec	cent Trade Protectionis	m Measures			Download P	OF 1
Bulletin								

Home > Publications > Bulletin > 2017 > Bulletin - September Quarter 2017

Publications:

RBA Bulletin

Excellent 'Stand alone articles

In Publications
Minutes
Statement on Monetary Policy
Financial Stability Review
Bulletin
2018
2017
December
September
June
March
2016
2015
2014
2013
2012
2011
2001–2010

Bulletin

September Quarter 2017

The *Bulletin* contains articles that discuss economic and financial developments as well as the Bank's operations.

Download the complete Bulletin PDF 5.2MB



Contents

Articles

- The Transmission of Monetary Policy: How Does It Work?
- The Neutral Interest Rate
- The Rising Share of Part-time Employment
- The Resources Economy and the Terms of Trade Boom
- Structural Liquidity and Domestic Market Operations
- Shadow Bank Lending to the Residential Property Market

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1

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Confirmation of your request is required.

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Before completing this form, please read our Personal Information Collection Notice for Website Visitors.

Required fields are indicated by *

Full name

Enter your first name here

E-mail*

Enter your e-mail address here

.

List to join/leave

Latest News

Let's reverse this trend!

Speech What Happened to the Study of Economics?

Jacqui Dwyer [*] Head of Information Department

Address to the Business Educators Australasia Annual Meeting Sydney – 26 May 2018

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Graph 1 Economics and Business Studies Enrolments in NSW Year 12 **Business Studies** Economics

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15

10

2017

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1992

Sources: NESA; RBA

1997

2002

2007

2012



Lunch & Networking (1 hour – Harbour Rm, level 20)

Resume in the ground floor lecture room