

The New Political Paradigm

John Roe, FIA – Head of Multi-Asset Funds

Agenda

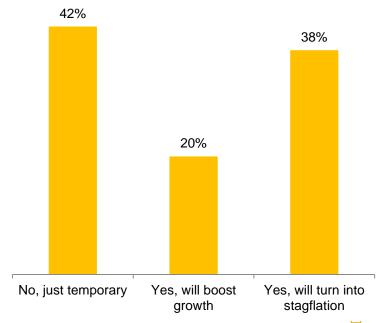
- 1. Why are people so angry?
- 2. What can be done about it?
- 3. What will be done about it?
- 4. Asset Allocation don't predict, prepare



Why this matters

- The New Political Paradigm
- ...drives markets
- ...creates winners and losers
- · ...is here to stay
- · ...will likely get stronger
- …is not consensus

Are Trump and Brexit the beginning of 'de-globalisation'?

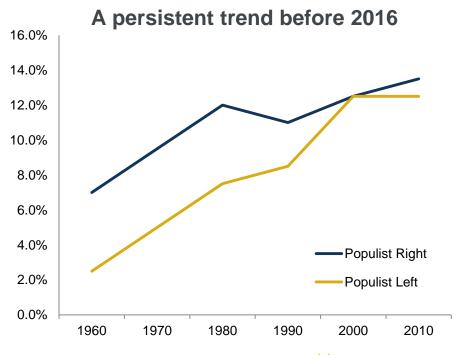




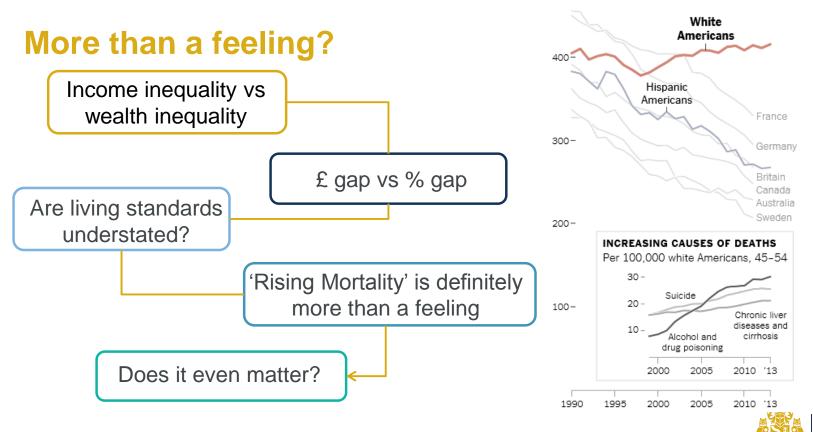
31 October 2017

Why are people so angry?

- Trump and Brexit are symptoms, not causes
- Populist parties are on the rise across the West
- The trends are not new, but 2016 was when it started to matter
- A simple question without simple answers



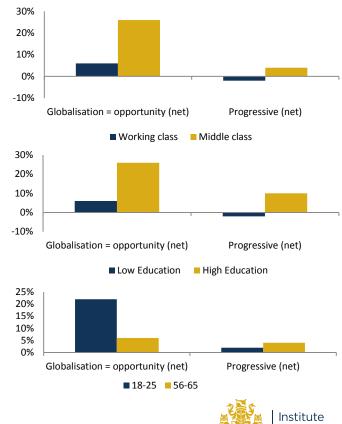
Institute and Faculty of Actuaries



31 October 2017 5

Shifting values, globalisation

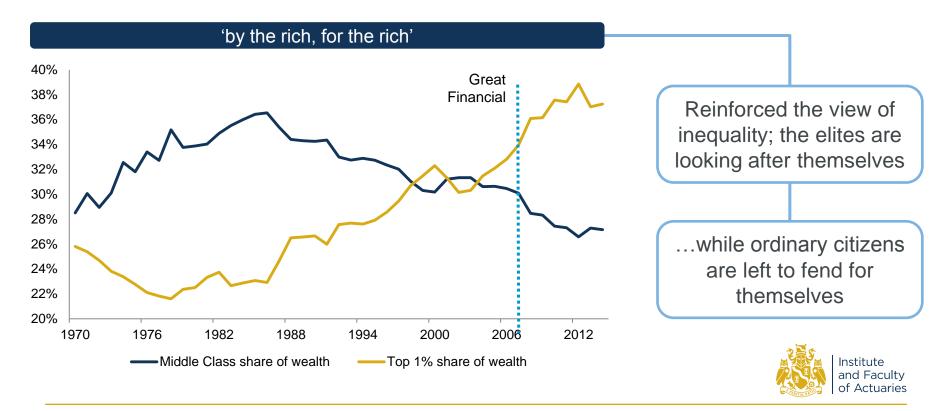
- Excessive and quick shift to progressive values; advanced by the liberal elite against the will of ordinary people
- Progressive vs Traditional values
- Globalisation makes a bigger pie, but divides it up to create winners and losers
- Survey says: it's fear not values
- Values don't explain the fear of Globalisation. Age, class and education do.





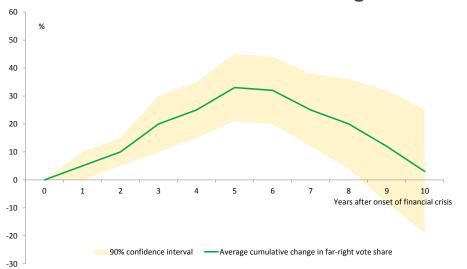
Source: Bertelsmann Stiftung, LGIM

QE and bank bailouts



History points to a hard right turn after financial crises

Share of the vote for the far-right



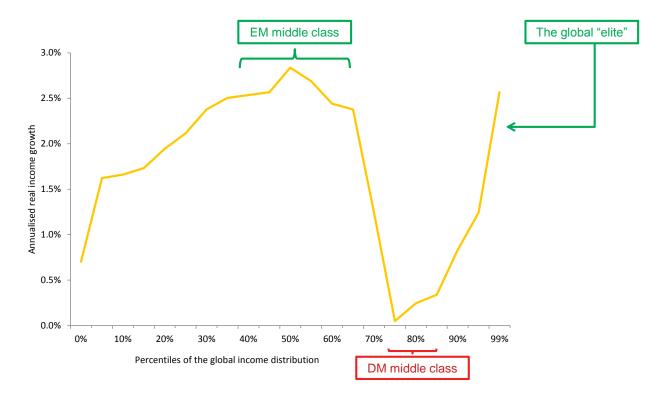
On average, after financial crises...

- Share of vote for the far-right increases
- Political polarization increases
- Street protests (riots, strikes & demonstrations) increase

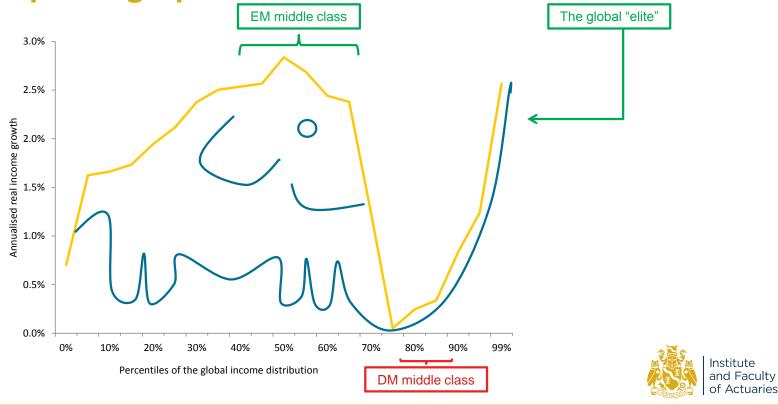
Average 35%(!) pick-up in vote share for the far right, peaking five years after the onset of financial crisis



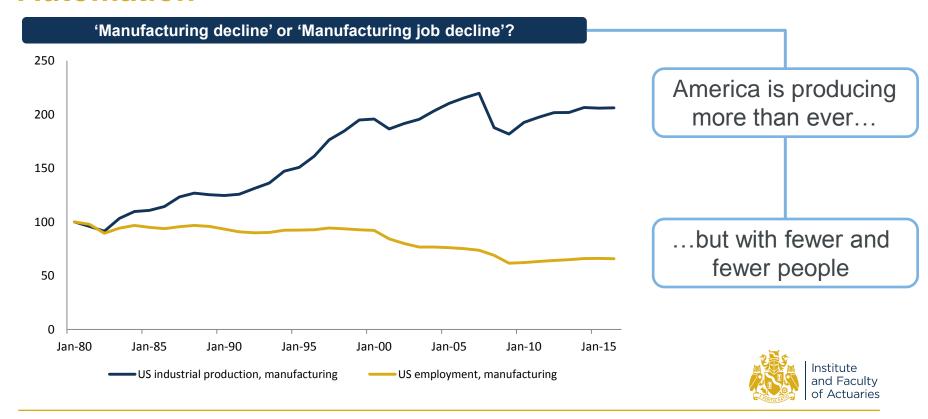
Inequality, the Elephant graph



The Elephant graph



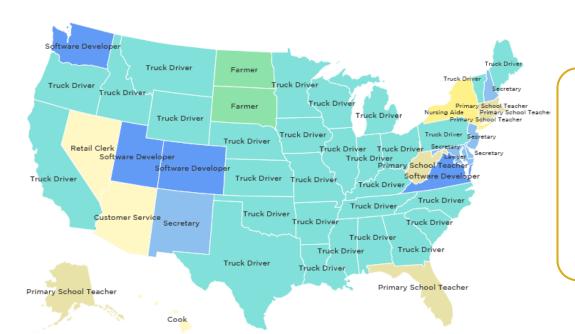
Automation



Source: Bloomberg LP, LGIM

Automation – only the beginning

The most common job in each US state - 2014







In the US there are:

168,000 transit bus drivers
181,000 taxi drivers
505,000 school bus drivers
600,000 Uber drivers
2,500,000 truck drivers
8,000,000 retail salespeople & cashiers
14,000,000 restaurants workers

A total of 146,000,000 jobs



Institutional degradation

Degradation by a thousand cuts

Same pattern across countries

'6 in 10 believe search engines over human editors'

'53% don't regularly listen to anyone with whom they often disagree'

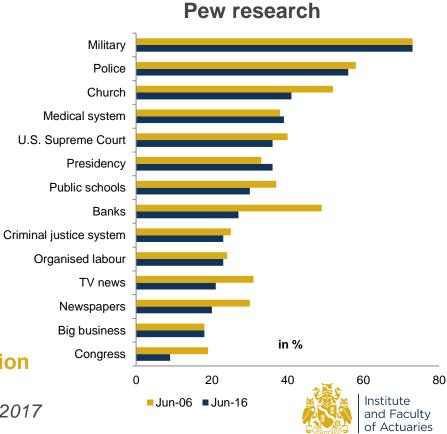
'4x more likely to ignore information that supports an opposing view'

'Peers are as *credible* as experts'

'In 1960 70% of Americans trusted the government, today it's only 18%'

"The third line of my work is the deconstruction of the administrative state."

Steve Bannon, February 2017



Elite anxiety

Survival Condo Project

- Luxury Survival Condos in an old Atlas Missile Silo
- \$1.5m \$4.5m
- 70 people can live completely 'off-grid' for more than 5 years
- Sold out, second project underway

New Zealand citizenship: e.g. Peter Thiel

'It's a very odd thing. You're seeing the people who've been the best at reading the tea leaves – the ones with the most resources, because that's how they made their money – are now the ones most preparing to pull the rip cord and jump out of the plane.'

Robert Johnson

Survival Condo Project



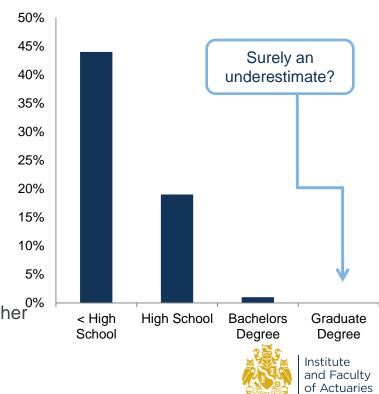


Source: survivalcondo.com, LGIM

Solutions – more education?

- Education ticks a lot of boxes
- More education = less risk from automation
- More education = less risk from globalisation
- More education = lower appeal of Populist parties
- The college earnings premium has continued to grind higher

Share of jobs with high automation risk



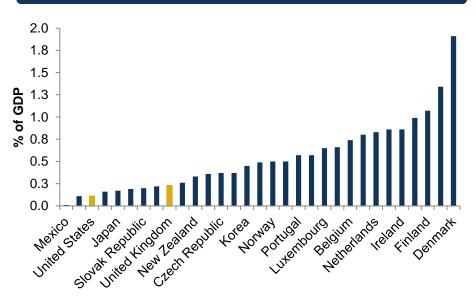
Solutions – social safety net?

US spending on ALM programs has halved (in % of GDP) since the 80's

Social Security
Hammock or money
well spent?

Can this explain the lack of social tensions in the euro crisis?

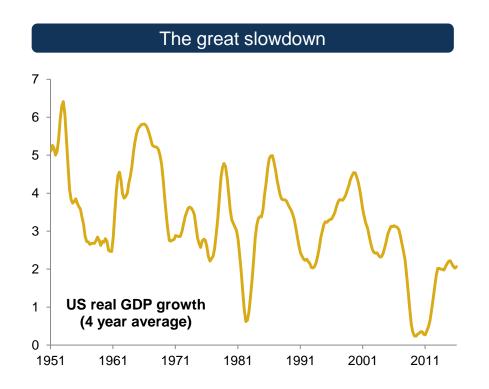
Public expenditure on Active Labour Market Programs





Source: OECD, LGIM

Solutions – more nominal growth?



"To get the economy back on track, President Trump has outlined a bold plan to ... return to 4% annual economic growth"

WhiteHouse.gov

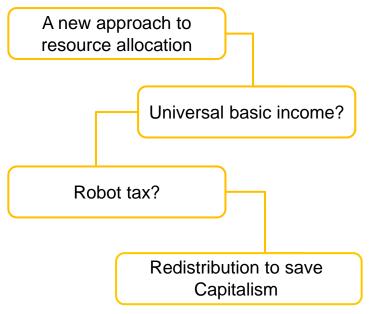
- LGIM estimates that trend growth in the US is
 1.5%
- The Federal Reserve estimates it is at 1.8%
- The CBO estimates 2.0%
- House Republicans estimate 3.0%
- Steven Mnuchin, Treasury Secretary is "...aiming for 3% annual growth or higher"

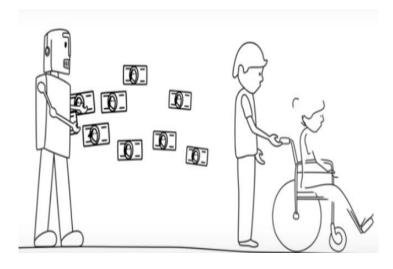
Institute

and Faculty of Actuaries

Source: LGIM and Macrobond 17

Solutions – more redistribution?





"There is a pretty good chance we end up with a universal basic income, or something like that."

Elon Musk, November 2016

"If a robot comes in to do the same thing, you'd think that we'd tax the robot at a similar level."

Bill Gates, February 2017



Source: Design News, LGIM

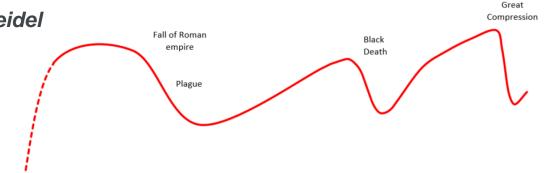
Solutions – Don't look at history for inspiration

"Violence has been the single most important means of levelling wealth and income inequality in human history."

Walter Scheidel

- Mass mobilisation war
- Revolution
- State collapse
- Pandemics

Inequality trends in Europe in the (very) long run

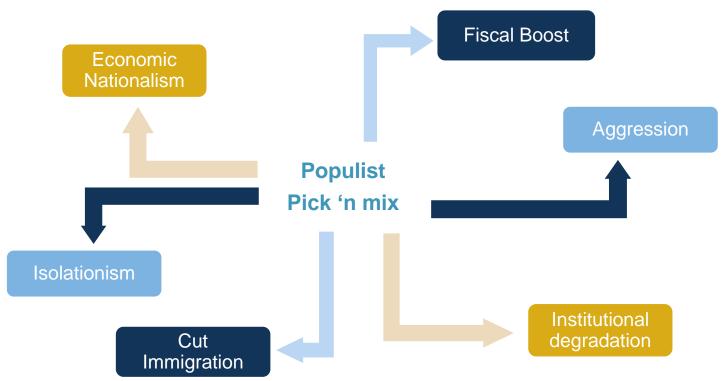


7000 125 200 275 350 425 500 575 650 725 800 875 950 1025 1100 1175 1250 1325 1400 1475 1550 1625 1700 1775 1850 1925 2000 BCE CE



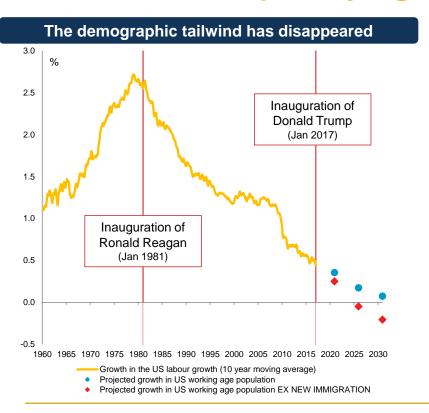
Source: Walter Scheidel, LGIM

How will policymakers respond?

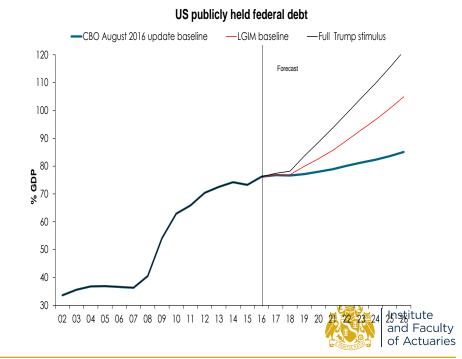




President Trump is trying to fight the demographic tide



US publicly held federal debt

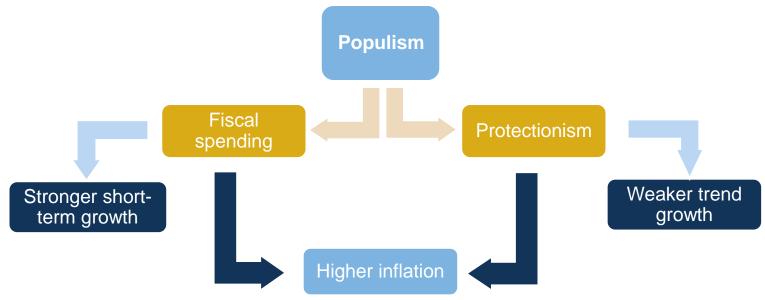


New Political Paradigm matrix

	Economic nationalism	Fiscal boost	Cut immigration	Political risk	Isolationism	Total
Equities		••	•	•	•	
Bonds		••	•	•	•	• •
Credits	•	••	•	•	•	•
Inflation	•	••	•	•	•	• •
USD	•	•	•	•	•	•
Commodities	•	••	•		•	•



Inflation impact of populist shift clearer than growth impact



"An ideology that pits a virtuous and homogeneous people against a set of elites and dangerous 'others' who are together depicted as depriving (or attempting to deprive) the sovereign people of their rights, values, prosperity, identity, and voice"

Albertazzi & Duncan (2008), Twenty-First Century Populism

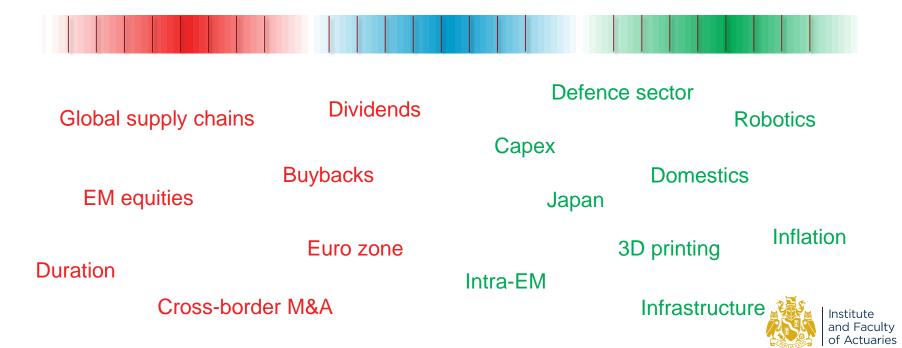
Source: LGIM 23

Institute

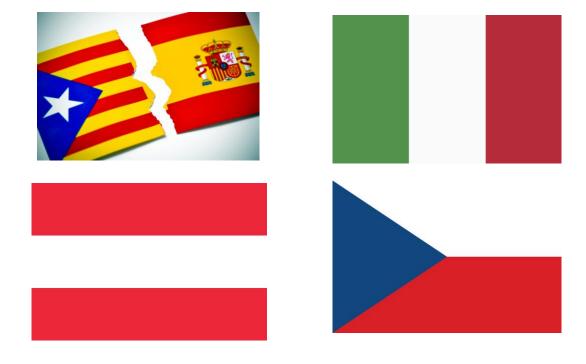
and Faculty of Actuaries

A more granular look at Winners and Losers

Losers / Less of Winners / More of

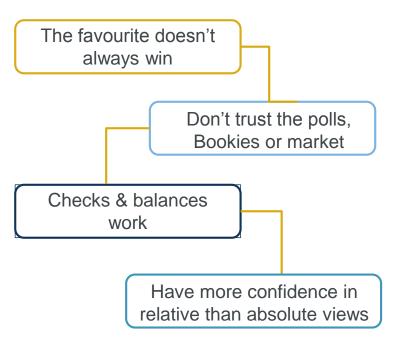


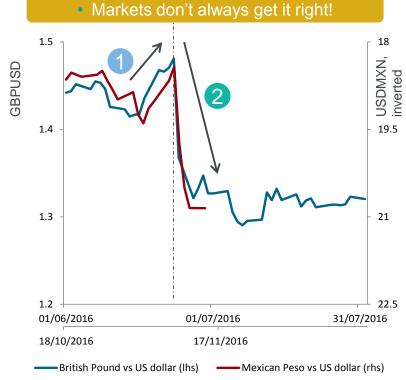
Political risk – A never ending story...





Lessons from 2016





GBP and MXN both rally (c. 4%) going in to the event in anticipation of Remain/Clinton

2

GBP and MXN both collapse (c. 10%) faced with the reality of Leave/Trump



31 October 2017 26

Don't predict, prepare

French election scenario planning

	Macron/Fillon	Le Pen	Hamon
EMU Equities	•	• • •	•
Other Equities	•	• •	•
UK Sovereign	•	• •	•
US Sovereign	•	•	•
EU Sovereign	•	• •	•
UK Investment Grade	•	•	•
EU Investment Grade	•	• • •	•
Global High Yield	•	•	•
EM Debt, Icy	•	• •	•
GBP/EUR	•	• •	•
USD/EUR	•	• • •	•



Thought leadership



Time for coordinated policy to revive growth?

With global growth remaining subdued and increasing signs that monetary policy is reaching its limits, the calls for fiscal easing and more policy coordination are growing louder.



the lessons of history and presents the case for greater coordination between monetary and fiscal policy.

In this edition of Fundamental

GIM Economist Magdalena

THE PERCEPTION OF MONETARY POLICY BEING AT ITS LIMITS IS GROWING...

Global growth has remained sub-par. Inflation and inflation expectation, meanwhile, have been hovering near historical laws: (sepecially in the developed economies) and well below targets set by central banks. This is despite expectional and prolonged easing by the major central banks, highlighting the limits to monetary policy's ability to revive growth and stoke inflation following the global financial crisis.

There are a few reasons why the prolonged easing has not been more successful. These include a fall of the 'heutral' rate below zero (so below most policy rates), lower investment and risk appetite, and higher precautionary asvings making rate cuts less effective.



given its negative impact

(see Figure 1). As short

austerity has a more neo

when growth is already a

higher); tightening fiscal p

therefore, likely prolonge

FUNDAMENTALS

-When I'm 64

US trend growth has probably halved to around 115% due to an ageing population. Although reported GDP growth is modest by historical standards, it's enough to glyten the labour market. This implies a drag on profitability and a cyclical rise in inflation.



are to blame.

In this edition, LG IM Economist James Carrido considers what an ageing population implies for the tightness of the US labour market.

It is 58 years since the Beadles wondered what happened whenthey retire ("When i'm Stort-Four"). Since then, the US economy has grown by an average dr3% per a norum. But their is is a shap difference between the last decade (19%) and the previous four (19%). We have previously suggested that statisticians are underestimating outgut and oversteining inflation for digital services ("Bean Courters"). Fundamentals, March 2016, but this obserting.

Demographics affect GDP growth in two ways: the number of people willing to work and their productivity. As people age they are less likely to work, participarly as they approach 'retirement' age. Moreover, acidemic research suggest most people's productivity people in their late 30s. So a very young or very old population is less productive than a middle-speed one.

change the fact that nominal growth is historically

governments to pay off debts. It seems demographics

weak, hindering the ability of firms, households and

BABY BOOMERS ARE RETIRING

The US birth rate peaked in the late 1950s. These workers are dropping out of the labour force as they reach retirement. The natural change in the labour force (school leavers minus retirees) was running at 1.25 million per year between 2000 and 2010 (Just under 1% of the labour force). but is close tozero at present.

The growth in the labour force at the moment is therefore driven entirely by immigration, a political hot potato. If current immigration trends continue, the labour force should grow by just ¼% in coming years, almost 11% less than the four decades prior to the financial crisis.







macromatters.com



Questions

Comments

The views expressed in this [publication/presentation] are those of invited contributors and not necessarily those of the IFoA. The IFoA do not endorse any of the views stated, nor any claims or representations made in this [publication/presentation] and accept no responsibility or liability to any person for loss or damage suffered as a consequence of their placing reliance upon any view, claim or representation made in this [publication/presentation].

The information and expressions of opinion contained in this publication are not intended to be a comprehensive study, nor to provide actuarial advice or advice of any nature and should not be treated as a substitute for specific advice concerning individual situations. On no account may any part of this [publication/presentation] be reproduced without the written permission of the IFoA [or authors, in the case of non-IFoA research].



31 October 2017 2

Disclaimer and important legal notice

The information contained in this document (the "Information") has been prepared by Legal & General Investment Management Limited ("LGIM", "we" or "us"). Such Information is the property and/or confidential information of LGIM and may not be disclosed by you to any other person without the prior written consent of LGIM.

No party shall have any right of action against LGIM in relation to the accuracy or completeness of the Information, or any other written or oral information made available in connection with this publication. Any investment advice that we provide to you is based solely on the limited initial information which you have provided to us. No part of this or any other document or presentation provided by us shall be deemed to constitute 'proper advice' for the purposes of the Pensions Act 1995 (as amended). Any limited initial advice given relating to professional services will be further discussed and negotiated in order to agree formal investment guidelines which will form part of written contractual terms between the parties.

Past performance is no guarantee of future results. The value of an investment and any income taken from it is not guaranteed and can go down as well as up, you may not get back the amount you originally invested.

The Information has been produced for use by a professional investor and their advisors only. It should not be distributed without LGIM's permission.

The risks associated with each fund or investment strategy are set out in this publication, the relevant prospectus or investment management agreement (as applicable) and these should be read and understood before making any investment decisions. A copy of the relevant documentation can be obtained from your Client Relationship Manager.

Confidentiality and Limitations:

Unless otherwise agreed by LGIM in writing, the Information in this document (a) is for information purposes only and we are not soliciting any action based on it, and (b) is not a recommendation to buy or sell securities or pursue a particular investment strategy; and (c) is not investment, legal, regulatory or tax advice. Any trading or investment decisions taken by you should be based on your own analysis and judgment (and/or that of your professional advisors) and not in reliance on us or the Information. To the fullest extent permitted by law, we exclude all representations, warranties, conditions, undertakings and all other terms of any kind, implied by statute or common law, with respect to the Information including (without limitation) any representations as to the quality, suitability, accuracy or completeness of the Information

Any projections, estimates or forecasts included in the Information (a) shall not constitute a guarantee of future events, (b) may not consider or reflect all possible future events or conditions relevant to you (for example, market disruption events); and (c) may be based on assumptions or simplifications that may not be relevant to you.

The Information is provided "as is" and "as available". To the fullest extent permitted by law, LGIM accepts no liability to you or any other recipient of the Information for any loss, damage or cost arising from, or in connection with, any use or reliance on the Information. Without limiting the generality of the foregoing, LGIM does not accept any liability for any indirect, special or consequential loss howsoever caused and on any theory or liability. Whether in contract or tort (including negligence) or otherwise, even if LGIM has been advised of the possibility of such loss.

Third Party Data:

Where this document contains third party data ("Third Party Data"), we cannot guarantee the accuracy, completeness or reliability of such Third Party Data and accept no responsibility or liability whatsoever in respect of such Third Party Data.

Publication, Amendments and Updates:

We are under no obligation to update or amend the Information or correct any errors in the Information following the date it was delivered to you. LGIM reserves the right to update this document and/or the Information at any time and without notice.

Although the Information contained in this document is believed to be correct as at the time of printing or publication, no assurance can be given to you that this document is complete or accurate in the light of information that may become available after its publication. The Information may not take into account any relevant events, facts or conditions that have occurred after the publication or printing of this document.

Issued by Legal & General Investment Management Limited which is authorised and regulated by the Financial Conduct Authority. Legal & General Investment Management Limited, One Coleman Street, London EC2R 5AA

