

Data Response Case Studies

Theme 4: Making markets work

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Teacher's Introduction

The case studies in this series are designed to support students as they study the A Level Economics Edexcel B module *Theme 4: Making markets work.* These case studies cover the Edexcel B specification perfectly, and are designed as real-world contexts to complement the theoretical content of the module.

Remember!

Always check the exam board website for new information, including changes to the specification and sample assessment material.

Each of the 12 case studies contains:

- **Contextual information:** this is the body text of the case studies, providing the relevant information, facts and figures.
- *** Data:** presented in a graphical format.
- *** Use the data questions:** students are presented with questions set in response to the data presented. Answers are included.
- **Test your knowledge questions:** students are presented with questions designed to mimic short-answer examination questions. Answers are included.
- **Extended-response question:** students are presented with a question designed to mimic long-answer examination questions. Possible answers are included in summary form.

This resource is designed to be useful to students of all abilities. Students of the highest ability require up-to-date contextual information for use in examination, while for lower-ability students these case studies may complement class activity and help to ground theoretical content in real-world contexts.

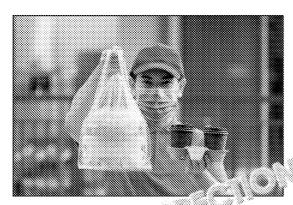
These case studies are designed to be up to date for 2023 and provide as contemporary a snapshot of economic discussion as possible. However, it is likely that some themes which are relevant and topical at the time of teaching may not be included. It is therefore advised that these examples are used in tandem with the study of the most recent themes.

I hope this resource can contribute towards an engaging and rewarding learning environment. Best of luck with your teaching!

May 2023

Perfect competition: Deliveroo competir

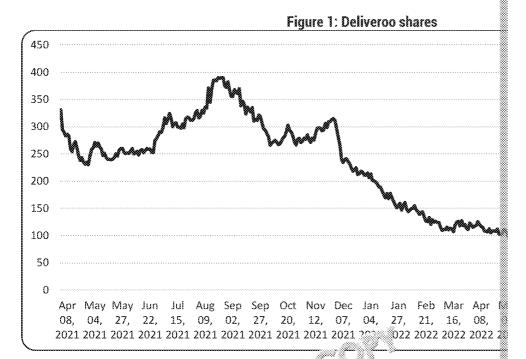
4.1 Competition and market power



Perfect competition is a theoretical world examples of markets that all One possible contender is the stool

The stock exchange is a global mand sellers trade shares in comparmeans you have a small stake in the compart of sellers well, the share becoming stock' in a company is estimated the total number of shares

Companies benefit from a conthe stock market as it gives them access to funding Canny investing stock market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the market information freely available on the Internet, car guess the m



Deliveroo's value has fallen significantly since aution. One argument made to explovervalued prior to going public traesial were put off by Deliveroo's 'gig economy increasingly facing scrut'it and argulators due to the treatment of workers in similar overvaluation are initial price set for shares didn't reflect the fact that the already becomes attractive to investors.

As such, once subject to the realities of supply and demand that are laid bare on sto considerably, before eventually stabilising at a much lower level of around 80 pence

Deliveroo points broadly to an unfavourable economic environment to explain the collect bear this out? **Figure 2** shows the overall performance of the FTSE 100 – an index of London Stock Exchange – over the same period.



Figure 2: FTSE 100 performance 1



In stock market jargon, a 'bear' market is one in which prices have fallen to 20% belomarket is characterised by rising prices.

As we can see, the FTSE 100 has fluctuated quite significantly in this time, but the gin the overall value of the firms, though also a sharp decline from September 2022 of be entering a bear market.

Use the data

- (a) Look at Figure 1. In December 2021 do you think there were more selled Deliveroo shares?
 - (b) Suppose you owned 500 shares in Deliveroo. Calculate the change in va April 2021 and October 2022.
- 2. If the FTSE 100 index reached 8,500, what number would it have to reach to

Test your knowledge...

- 1. Explain **two** possible example: _____e_x try competitive market (other tha
- 2. Using reverse is the surves, explain the long-run equilibrium of a firm in competition as well.

Extended-response question

1. Evaluate how well the stock market exhibits the characteristics of perfect co

https://www.core-econ.org/the-economy/book/text/08.html



Contestable markets: growth in postal c

4.1 Competition and market power

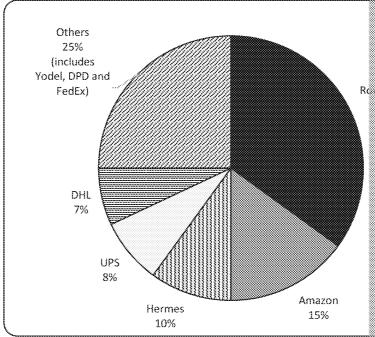


An important feature of manare. A contestable market is to enter and exit the industry market has only a few firms contestable then existing plaprices and output as if they at the threat of entry by other planare.

and market that has become

recent years is the delivery and postal is 1 style eviously, mail was regarded as so which in the UK was dominated in Reyel Mail. However, the rise of online retail and changed the nature of the constant stay and lowered the barriers to entry. **Figure 1** shows firms in the **Section** 1 stay and lowered the barriers to entry.

Figure 1: UK delivery market



The major reason for growing contestability in the market is the emergence of e-commow make purchases online, and the industry had a value of 35 3 billion in 2019 – the GDP. The rapidly growing industry creates a variety (1000) unities for new couriers.

However, Royal Mail has also lost its an an attended and an another deliveries has collapsed. The Universal Semandated by dick and Royal Mail must provide a six-day service for letters, based on local as not permitted.

While this is seen as a valuable public good, it also limits Royal Mail's ability to combeliveries are less profitable than parcel services.

The big market climber over the last decade is Amazon, which only launched deliver market share as recently as 2014. Based on current trajectories, it is set to take on the next decade.



Use the data

- 1. Using the article, identify one possible barrier to entry into the UK delivery
- 2. Can the UK's delivery service industry be regarded as an oligopoly?

Test your knowledge...

- 1. Explain two features of perfectly contestable markets.
- 2. Explain what is meant by the term 'sunk costs', using evant example.

Extended-response quertimes

1. Evalua ex ျား to which the market for delivery services is contestable





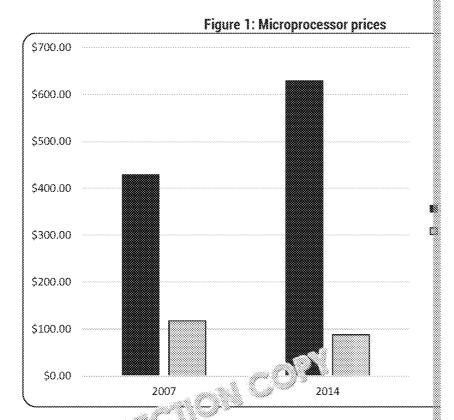
End of a monopoly: Intel's emergin

4.1 Competition and market power

For decades, technology company Intel has exerted monopoly power over the manufacture and distribution of microprocessors: the central unit upon which computers function.

Intel's position in the microprocessor industry bears hallmark features of a monopoly in a number of ways. Firstly, Intel is a vertically integrated organisation: unlike its competitors, it controls the full supply chain of its products from production to sales. Secondly, Intel operation and a jigh-tech market with particularly large barriers to entry. This is exerts considerable main 200,000 patents around the world protest in a second property from competitionic setter.

Rival AMD processors to a single price of Intel microprocessors, in an industry where et advances should add to falling prices. Figure 1 shows the average price of an Intel \$47% over a seven-year period. In the mobile computer market, where Intel faces greater of its products fell by 33% over the same period.

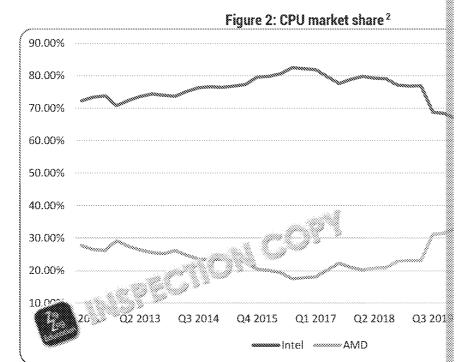


Intel argues that the rising the process server chips simply reflects high consumer dem 2007 study and deal process and earned more than \$60 billion dollars of so-called 'mattributed to be setting – between 1996 and 2006.

Intel has previously acted determinedly against AMD to maintain its market position payments of hundreds of millions of dollars to computer manufacturers Dell, Acer as switching to AMD chips in the production of future products.

However, in 2018 – in a seemingly unassailable position – Intel's dominance began while Intel controlled more than 80% of CPUs at points over the last decade, this figures 60%.





While still a comfortable market leader, the decline represents a serious loss of mark Some see it as a story of complacency: Intel had become too reliant on its market do with AMD's pace of investment in research and development. This gave AMD the opcompetitive new generation of microprocessors at a lower price point than Intel's.

As the competition from AMD increases, the expectation is that consumers will benefit

Use the data

- 1. Explain **two** reasons why consumers are expected to benefit from AMD's in
- 2. Which market structure best characterises the microprocessor market in re

Test your knowledge...

- 1. Explain the difference between monopoly and monopsomy.
- 2. Explain two possible benefits of monopolies

Extended-respons www.s.ion

1. Using a man, assess why there may be a natural monopoly in some mar



https://www.statista.com/statistics/735904/worldwide-x86-intel-amd-market-share/

Regulatory capture: Airbus pulls ahead

4.2 Market power and market failure

Competition between the world's two largest aircraft manufacturers, Airbus and Boe fierce. The two companies represent a duopoly in the industry and compete directly The competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the competition is also at the forefront of an economic rivalry between Europe and the competition is also at the competition of the c global aircraft deliveries by companies in 2018.

2% 90,5% 806, 4 Bombardier Embraer Others

Figure 1: Global aircraft deliveries

One of Airbus's most recent airliners, the A320neo, is widely considered to have been a runaway success, becoming the fastest-selling commercial airliner in history. A major factor in its strong performance has been an increased industry-leading level of fuel efficiency. Boeing's 737 MAX airliner was intended as a response and direct competitor to the bestselling aircraft.

However, in 2019, aviation authorities worldwide made the decision to ground all of Boeing's flagship 737 MAX airliners. The decision came after two deadly crashes within five months, tragically leading to 346 people losing their lives. Both crashes were caused by unfamiliarity with the plane's on-board software. Pilots were said to have been given little to no training by the company on how it works, with reports indicating the concentration about the new system was not included in the tion of manuals.

Questions are being asker a. Soeing did not act more quickly following the f declaring the MAN Sprior to a full investigation being completed. One sugges r contracts with airlines to the A320neo, the production process by as much a vouble the standard pace of production, according to some reports.

Figure 2 highlights the intense competition between the rivals since 2000. It shows each firm annually, with Airbus beginning to pull ahead after the release of the A320 collapsing after the 737 MAX was grounded.



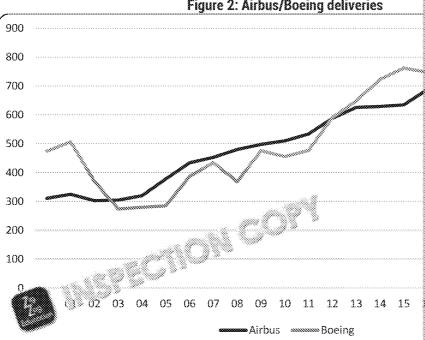


Figure 2: Airbus/Boeing deliveries

The United States aviation authority, the Federal Aviation Administration (FAA), has prioritise safety and prevent further loss of life by not grounding the 737 MAX earlies

Following the airliner's second deadly crash, aviation authorities around the world b the Civil Aviation Administration of China making the decision within hours of the in FAA's immediate response was to declare the aircraft safe and airworthy, a position authorities in Europe, Canada, India, Korea and around the world came to the opposite unusual for foreign aviation authorities to declare a specific aircraft unsafe, with the falling to the regulator that corresponds to the country of the aircraft's manufacture

The aircraft was not grounded in the United States for two more days, until the US P be, followed by a statement from the FAA confirming the decision. Crash investigates relationship between Boeing and the FAA, as it emerged that Boeing was able to tes thorough oversight from the safety regulator.

Use the data

- What does Figure 1 suggest about the market control of Airbus and Boeing of manufacture?
- What is the percentage decrease in aircraft (2010 r. 20 by Boeing between 20)

Test your kes

- s meant by regulatory capture.
- Explain two reasons why the FAA might have been subject to regulatory car

Extended-response question

Evaluate whether regulation can be a constraint on the business growth of & as Boeing.



Public or private goods: COVID-19 v

4.3 Market failure across the economy

The coronavirus pandemic crisis was brought under control, predominantly, as a residevelopment of vaccines against the virus. Thus in one sense we can argue that the public good: its benefits – the eradication of a contagious virus – are shared by even

However, the vaccine itself was not globally distributed in the way economists would with a public good. It was not available to everyone, and its benefits have not been sequally. Doses of coronavirus vaccines differed significantly in raice, while some we limited and required specific and expensive storage facilities.

In 2021, United Nations Secretary General Area Guterres argued in favour of treat public good, as the vaccine rollest progressed in developed countries but stalled acre

'It's been very classiful ince the beginning that vaccines should be considered Guterres. This they need to be available and affordable to all and that is no justice by also a question

pustice by also a question of efficiency. There is no way to defeat a virus that spreads in the developing countries like wildfire and that can risk to mutate.'

Guterres sought to highlight the extensive positive externalities associated with an equitable rollout of COVID-19 vaccines, as well as the uneven distribution of the good highlighted by Figure 1.

A large proportion of funding for the development of COVID-19 vaccines came from public sources, with the initial development of the UK-based Oxford/ AstraZeneca vaccine almost entirely publicly funded. However, large private firms with greater experience in the manufacture and distribution of pharmaceuticals are incentivised to sasura that goods commerciali

Figure 2 demonstrates the expected revenue for each major COVID-19 vaccine producer over a projected five-year period.

Figure 1: % of population vacci

0 10 20 30 40

South America

Asia

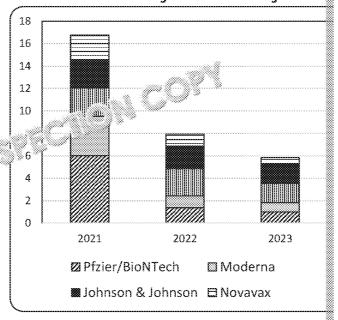
North America

Europe

Oceania

Africa

Figure 2: Forecasted global rev





³ Source: https://www.wsj.com/articles/covid-19-vaccine-makers-to-face-challenges-when-recognizing-re

Use the data

 Based on Figure 1 and Figure 2, give two reasons why pharmaceutical comp incentivised to produce vaccines.

Test your knowledge...

- 1. Explain what is meant by a 'public good'.
- 2. Explain two positive externalities associated with vaccines.

Extended-response question

1. Discuss whether was the algorithm a public good.





Keeping up with demand: university a

4.3 Market failure across the economy



University admissions among British school 320,000 18-year-olds applying for a place UK 18-year-olds — a figure that has risen with only 33% of 18-year-olds applying in all applications and admissions to UK up

The increases in admissions come despite promote after the set to university education of further after the colleges, and also despite the set of the highest colleges.

A number of new reform. university a on: cave been announced, a lowering of the income threshold at which students must make repayments, an increase of a decade in the period before student debt is written off, and a proposal to withhold student finance from applicants without GCSEs in English and Maths. A requirement for prospectuses to include the percentage of graduates who enter employment after receiving their degree has also been suggested.

The government estimates that 70% of students will fail to repay their debts as they will not earn above the threshold for a long enough period. Figure 2 highlights the rising levels of student debt in England since the cap on tuition fees was trebled.

At the same time, the labour market for graduate jobs continues to be highly competitive. Prostal Competitive Prostal Competit

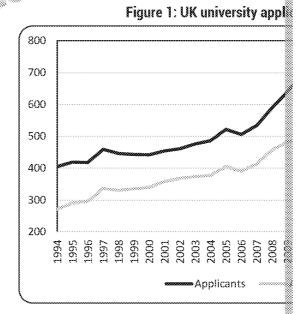
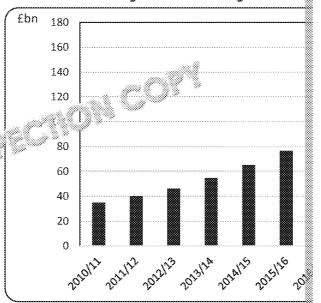


Figure 2: Outstanding student de



⁴ Source: https://www.statista.com/statistics/284230/university-applicants-in-the-united-kingdom-uk/



⁵ Source: https://www.statista.com/statistics/750679/outstanding-amount-in-student-loans-uk/

Use the data

- 1. Draw the trend demonstrated in Figure 1 on the demand curve.
- 2. Calculate the percentage increase in university applicants between 1994 and

Test your knowledge...

- 1. Explain why demand for university education might have increased, relative higher education.
- 2. Explain the elasticity of demand for universit return ton.

Extended-respons visition

1. Assess er increased costs for students represent government failure.





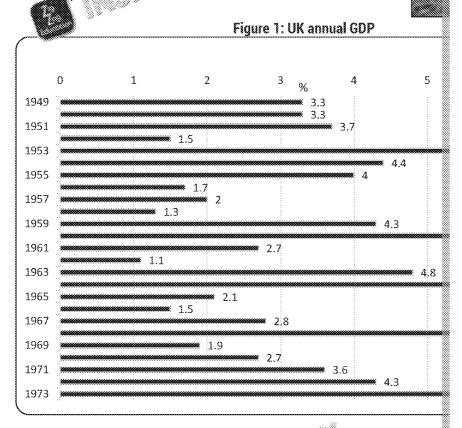
The 'golden era' of growth

4.4 Macroeconomic policies

Between the late 1940s and early 1970s, the UK economy experienced an unpreced often referred to as the 'golden era' of British economic expansion. During this period regularly exceeded 3% as Britain was rebuilt following the destruction of the Second

The strong growth figures were accompanied by significant improvements in living standards as consumer goods became cheaper, wages rose, jobs were widely available, the welfare state emerged and slums were cleared to make way for modern housing. In 1957 Prime Minister Hamber Macmillan famously declared that British people had 'never has it sayood'.

Figure 1 shows the exceptional arrows an of growth figures to which the 'golden era' corresponded



There were a number of reasons why the UK was able to some such a long period be regarded as the level of job creation associated with, sat-war reconstruction, and entering the UK from Commonwealth positions.

The golden era can be reached and an having come to an end when the economy entere response to the arevents. Since then the UK has not experienced such a prolewith the economy into recession on a more regular basis.

One major advantage of this 'golden era' of growth was that it helped to substantially had accrued while fighting the Second World War. Figure 2 traces the reduction of no of 1949–1973. It shows that, following the war, debts were more than 200% of GDP 50% in just over 20 years.



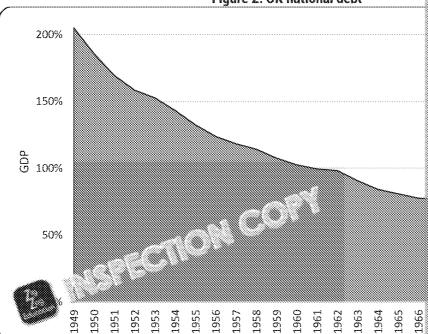


Figure 2: UK national debt

The Office for Budget Responsibility highlights how 'in nominal terms, debt increase GDP increased by more than 1,200 per cent in the same period. This reduced the delevel to less than 50 per cent of GDP.'6

This conforms to a discretionary fiscal policy approach which seeks to be a counter During periods of expansion, high taxes and low public spending should in theory prefinancial reserves needed to cut taxes and increase spending in recessionary periods.

Use the data

- Explain why the trend in Figure 2 can be attributed to sustained economic g
- 2. Using Figure 1, estimate the average annual GDP growth rate of the UK ove

Test your knowledge...

- 1. Explain the alternative to 'discretionary fiscal policy'?
- Explain, using a classical AD/AS diagram, with an SRAS the type of output go economy is:
 - a. At the peak of a boom
 - b. At the trough of a down

Extended-Sanse question

1. Assess the costs and benefits of economic booms.



⁶ https://obr.uk/box/post-world-war-ii-debt-reduction/

Reforming subsidies: agriculture afte

4.4 Macroeconomic policies



The European Union's Common Agricultural P the institution's budget, handing out more than across Europe. The UK's agricultural producers programme, receiving a total of £3 billion between is to safeguard Europe's food supply and prot whims of market forces.

As the UK left the Europe in Union in 2020, the farmers. The Like job in ment has introduced a

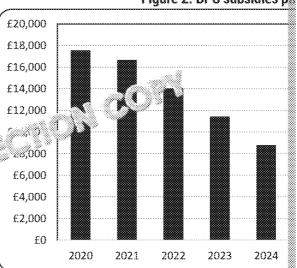
Payment Scheme - while a longer-term solution in our without replacement, many of will struggle to make their operations with any viable. Figure 1 indicates how dependent on subsidies.

The CAP is of having a des environmental impact by encouraging unsustainable forms of land use on an excessive scale, and for producing excess supply leading to food waste. The UK's proposed replacement comprises a number of schemes designed to encourage more sustainable forms of land use. These include a Landscape Recovery Scheme, in which farmers are paid to reforest their land, and a Sustainable Farming Initiative, which remunerates farmers for environmentally friendly agricultural practices.

The Basic Payment Scheme is scheduled to be phased out over a period of eight years as part of the transition towards the new. more sustainable schemes. Figure 2 shows the phasing out process for an agricultural producer currently receiving £17,500 in subsidies. Farmers complain that there is not enough clarity over the acschemes, ar he budies available to t er the transition will be less valuable.

In addition, according to a parliamentary committee, the government has 'not explained

£70,000 £60,000 £50,000 £40,000 £30,000 £20,000 £10,000 -£10,000 Subsidies 8 ☐ Agricultur®



how the Scheme's changes in land use will not simply result in more food being imported food production being "exported" to countries with lower environmental standards."

Figure 1: Average UK farmers income by fa

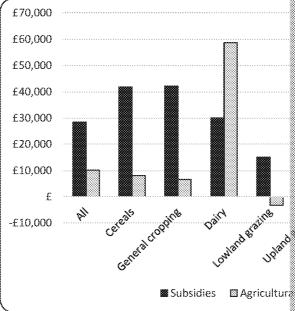


Figure 2: BPS subsidies p

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Source: https://www.natwest.com/business/insights/sector-trends/agriculture/farm-business-management-

Use the data

- Calculate the percentage of an average UK farmer's total income that come (give your answer to the nearest whole percentage).
- 2. Draw and annotate a diagram demonstrating the impact of the phaseout in

Test your knowledge...

- 1. Explain the location of consumer and producer surplus on the diagram you
- 2. Explain **two** reasons why subsidies can incre ട്രണ്ടോട

Extended-ressors volume

1. Discuss her the UK government should subsidise certain types of land



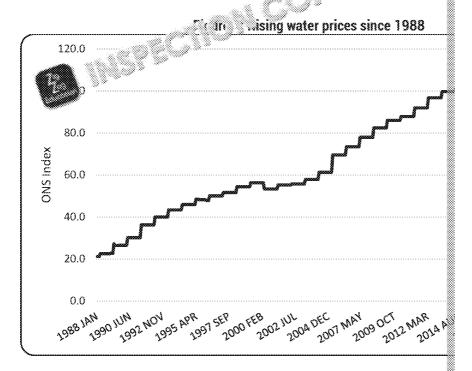


Water privatisation: Supply-Side inte

4.4 Macroeconomic policies

Water companies were a publicly owned utility in the UK until privatisation in 1989. policy designed to encourage long-term economic growth. The idea behind privatisation in the market and increases efficiency, as private firms (motivated by pefficiently than the government can.

Competition was also hoped to reduce the price of water for consumers. However, be average household water bill increased by 40% above inflation. Fefore falling slightly intervention from the regulator. Figure 1 shows the increased at cost over the stated as



During this period, private water companies have paid out almost £57 billion in divide working out at roughly £75 per household per year. According to the Joseph Rownt are the most common form of debt among low-earners, with more than half a million their bills.

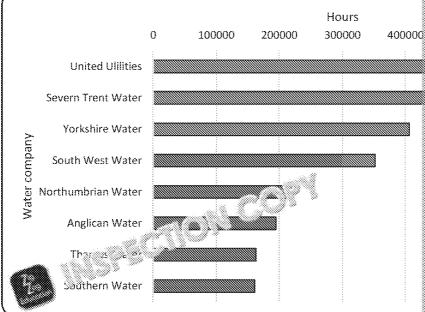
Despite the higher costs, frequent surveys have shown that price is not the paramou of water provision. Instead, quality of water is the primary consumer concern, with pagenerally high.

However, while drinking water remains of any stame cannot be said for the UK's we Environment Agency released a standard eport on water pollution, highlighting that England is polluted. Only the or swers meet a 'good ecological' status – a significant

In 2020, wat panies discharged raw sewage into rivers for more than 3.1 million than 400,000 separate occasions. Raw sewage is only meant to be discharged in rate Environment Agency funding have reduced its capacity to monitor incidents of water responsibility for monitoring has been largely handed over to water companies them how much sewage was dumped by each water company in 2021.



Figure 2: Raw sewage discharged into rivers 202 Hours 0 300000 100000 200000 400000



Regulation of the industry is split between different organisations. The primary requi upholding consumer rights and ensuring provider obligations are fulfilled, such as in In addition, the Drinking Water Inspectorate is responsible for ensuring the quality of Agency is responsible for regulating the environmental impact of water provision.

Use the data

- Aside from privatisation, what other explanations could there be for the tre
- What type of policy conflict is alluded to by Figure 2?

Test your knowledge...

- From the passage, explain one potential benefit and one potential cost of p
- Explain the effect of a successful supply-side policy on an AD/AS diagram.

Extended-response question

'Governments should for ൂറുള്ള on supply-side policies than demand-side 🕷 နှင်ငံ ျင်္ကြင်းကို increase long-term economic growth.' Evaluat



Constructing the multiplier: high-speed r

4.4 Macroeconomic policies

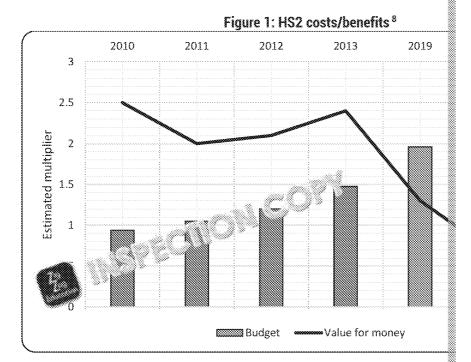
The idea of the multiplier effect in economics is quite simple in theory. When there economy (such as through government spending, or through spending by foreign to economy can be greater than the size of the initial injection. This is because when a they then spend that money, which increases the income of others, and so on, until

With economic growth and productivity remaining stubbornly low in the UK economy, the focus of policymakers has shifted to how big public investments can help to get the economy moving. One case argument is the High Speed 2 railway line between Legalian, Birmingham and Manchester.

Some economists believe transport infrastructure will help to stimulate economic general non-coductivity. There are a number of reasons to believe this. There are a number of reasons to reduced travel times will allow firms to access more skilled workers for a larger pool of labour. Secondly, greater interconnectedness of eservices outside of their immediate area more easily. And thirdly, some firms would marketplace than previously, meaning their customer base will expand.

In addition, the government claims that 'HS2 stations can act as a multiplier or accellulars.' This is because the footfall produced by commuters will increase commerce business and demand for housing.

However, other economists disagree with this analysis. Figure 1 highlights how the increased considerably across multiple government reviews, from an estimation of £ At the same time, the black line tracks the estimated multiplier arising from the projectors as costs rose.

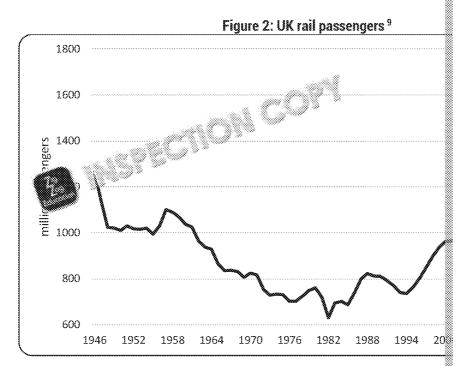




⁸ Data https://www.instituteforgovernment.org.uk/explainers/high-speed-2-costs data

In Lord Berkeley's unofficial 2020 report on HS2, he estimates that the multiplier for 0.6, which he regards as 'poor value for money'. This stands in contrast with initial produce benefits worth more than twice its costs.

Supporters of HS2 argue that the project is not just about providing value for money the UK's railways. **Figure 2** highlights how rapidly increasing passenger numbers on capacity is likely to become a necessity in the years ahead.



The government predict that demand for rail journeys will continue to increase at an Since 1994 rail demand has increased on average by almost 5% every year, making

Use the data

- Figure 1 outlines specific estimations of multipliers that have been produced analyses of HS2. Give three reasons why it is notoriously difficult to make ac
- 2. The estimated multiplier of HS2 in 2011 was 2. Calculate how many billion popular generate at this point in time.

Test your knowledge...

- 1. Explain, using a suitable diagram of point of the second of the secon
- 2. Explair 10. Sportant variable in determining the size of the multiplier

Extended-response question

 Suppose a government wanted to help the economy out of recession by rais greater government spending. Using your knowledge of injections, withdraw multiplier, evaluate the likely effectiveness of this policy.



Data https://dataportal.orr.gov.uk/statistics/usage/passenger-rail-usage/table-1220-passenger-journey

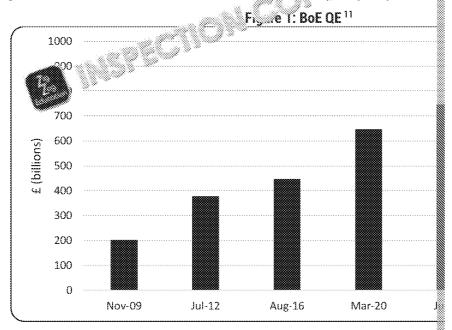
https://publications.parliament.uk/pa/ld201415/ldselect/ldeconaf/134/13410.htm

Quantitative easing: the evolution of mor

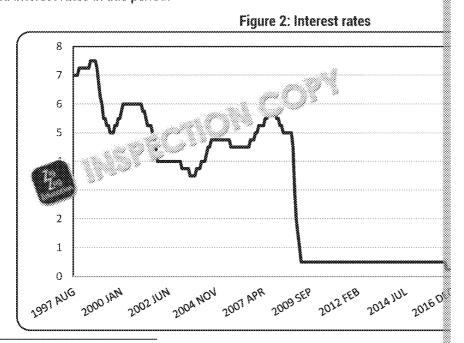
4.4 Macroeconomic policies

Following the financial crisis of 2007/08, the Bank of England adopted a new form of quantitative easing, or QE. QE expands the money supply, and does so through the domest of the debts purchased belong to the government, and are also known as gilts, money that the bank has created, the money supply expands.

The process of QE was repeated again on two occasions in the 2010s when deflation And it was rapidly expanded during the coronavirus pandemic control as a means to crisis. Figure 1 demonstrates the cumulative cost of OF AMERICAN happened by the process of OF AMERICAN HAPPENED AND TO STATE THE PROCESS OF T



QE has been used to achieve multiple monetary and fiscal aims. It was initially introtool to try to increase persistently low inflation, as interest rates could not be lowered in the Bank of England was that the money entering the national income would help encourage banks to lend in a weaker economic environment. **Figure 2** shows how fallowered interest rates in this period.



 $^{^{11}}$ https://www.bankofengland.co.uk/monetary-policy/quantitative-easing



There is no consensus among economists as to how successful this was. Inflation mostly remained below the Bank's 2% target, but some argue that QE helped to prevent more damaging deflation. QE was also criticised at the time for increasing levels of wealth inequality in the UK by inflating the price of assets, such as housing.

QE was subsequently used in 2016 with the aim of stabilising markets following the UK's decision to leave the EU. And during the coronavirus pandemic crisis, large amounts of QE took place alongside high levels of government borrowing, which were required for high-cost fiscal interventions such as the furlough scheme.

Initially planned as a short-term and one-off intervention, what become a major palongside the setting of interest rates. Since 2002, we sank of England has started accrued during the several rounds of Control as such a process remains subject to macroeconomic impact.



Use the data

- 1. Which is the single biggest injection of QE highlighted by Figure 1?
- 2. Explain why the Bank of England may have started offloading its QE debts in

Test your knowledge...

- 1. Explain **two** reasons why the UK inflation rate might have been falling (Figu
- 2. Explain why deflation might be damaging for an economy.

Extended-response question

1. Assess the effectiveness of lowering interest rates to stimulate economic gr

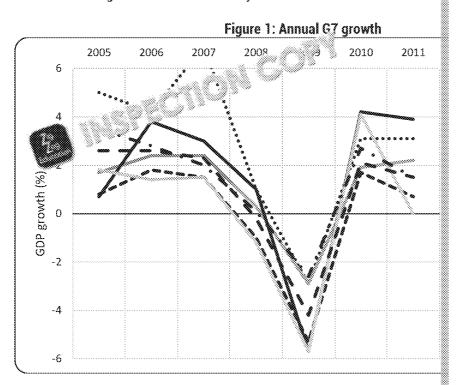




Global financial crisis: 15 years

4.5 Risk and the financial sector

Even 15 years on, the impact of the global financial crisis continues be felt across deconomic growth that was pervasive in the Global North prior to the crash has never world has had to adjust to a lower-growth model which has resulted in stagnating lippolitical instability. That the effects of this moment are still felt today is testament to markets in the functioning of the modern economy.



The crisis threatened the very stability of finance itself – both commercial banks an world found themselves in a situation where their liquidity and capital ratios were so the entire banking system was in question. This meant that banks could potentially to create credit and facilitate the transfer of money.

The big takeaway from the crisis is that it did not occur simply because people misb Instead, the real reason behind the crash was that it resulted from structural weakne were built into the fabric of the international economy. The regulatory environment minimising systemic risk. This exposed the so-called 'real economy' to a whole range

Take, for instance, asymmetric information. In the US the by 2000s were years of unparalleled prosperity the figure in the financial system was high. As such the least began extending mortgage loans to the financial mortgage loans to the least began extending to the loans was made possible by the development arious complex financial products that shifted the burden of risk between different parties.

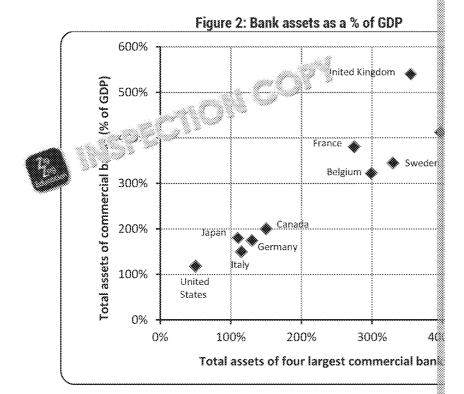
The problem with these products was that not everyone who traded them understood what they really meant, or how risky they actually were. As such, when the credit bubble burst, banks and traders were unsure how much they actually stood to lose, triggering a panic and the ensuing financial meltdown.





Almost all banks were very highly 'leveraged', meaning that the value of their loans to reserve funds. This made an unexpected decline in the value of their loans devastation that banks have to hold in reserve have been tightened up.

Another aspect of market failure that emerged from the crisis was moral hazard. Go failing banks because they hoped that it would prevent even more damage to the economic under. Figure 2 shows us the extent of assets owned by commercial banks, concomic in which they operated.



If true free-market economics had prevailed, the banks that had taken excessive risk instead, the banks were 'too big to fail'. The moral hazard is the possibility that the for bankers to continue taking excessive risks.

One lasting impact of the crash on the UK's governance has been the development Quantitative easing was first used by the Bank of England as an emergency measure economy. However, it has since become a more permanent feature of the UK's econole in the mid-2010s, the coronavirus pandemic of 2020–2021 and the financial crash





Use the data

- 1. What does Figure 1 tell us about the relationship between financial markets
- 2. What does Figure 2 suggest about the capital ratios of UK banks, relative to

Test your knowledge...

- 1. Explain how commercial and investment banks create credit.
- 2. Explain two functions of the UK's central bank.

Extended-response and the

1. Assess lic, conflicts involved in the regulation of the financial sector.





Answers

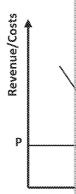
Perfect competition: Deliveroo competing in public

Use the data

- (a) In December 2021 the share price plummeted. As such, it is likely that there with investors were trying to get rid of their shares before the price dropped too low.
 - (b) In April 2021, the share price was around 330 pence, so 500 shares would hav October 2022 the share price had fallen to around 80 pence, so 500 shares wo This is a fall of £1,250. (Accept answers either side of this to account for differ
- 2. A bear market occurs when the stock market falls by at lewing. % from its peak. 20% to fall to 6,800 to be considered a bear market.



- Typical examples includes a set for agricultural goods or the formex example, and 1 mark for each explanation.
- Your diagram should look something like the one on the right. The demand/MR/AR curve is horizontal (1), equilibrium occurs at price P and quantity Q (1), where AC is at its lowest point at a tangent to the demand curve (1). The marginal cost curve goes through this equilibrium point (1).



Extended-response question

- 1. Characteristics of perfect competition include:
 - Many buyers and sellers, none of whom are large enough to influence the price definitely true of the stock market, there are millions of buyers and sellers, an market forces.
 - Low barriers to entry/exit. This is probably true of the stock market anyone although many investors choose to pay a broker/trader to pick stocks for then
 - Perfect knowledge of prices. This is true of the stock market; prices are freely updated frequently. However, some traders have been accused of (unfairly) extakes to receive market data, which would violate this characteristic. Read Flow interested (or maybe read a summary of the book).
 - Products are homogeneous. This is true of the stock market a share in one case a share in another.





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