

Economic microdata research

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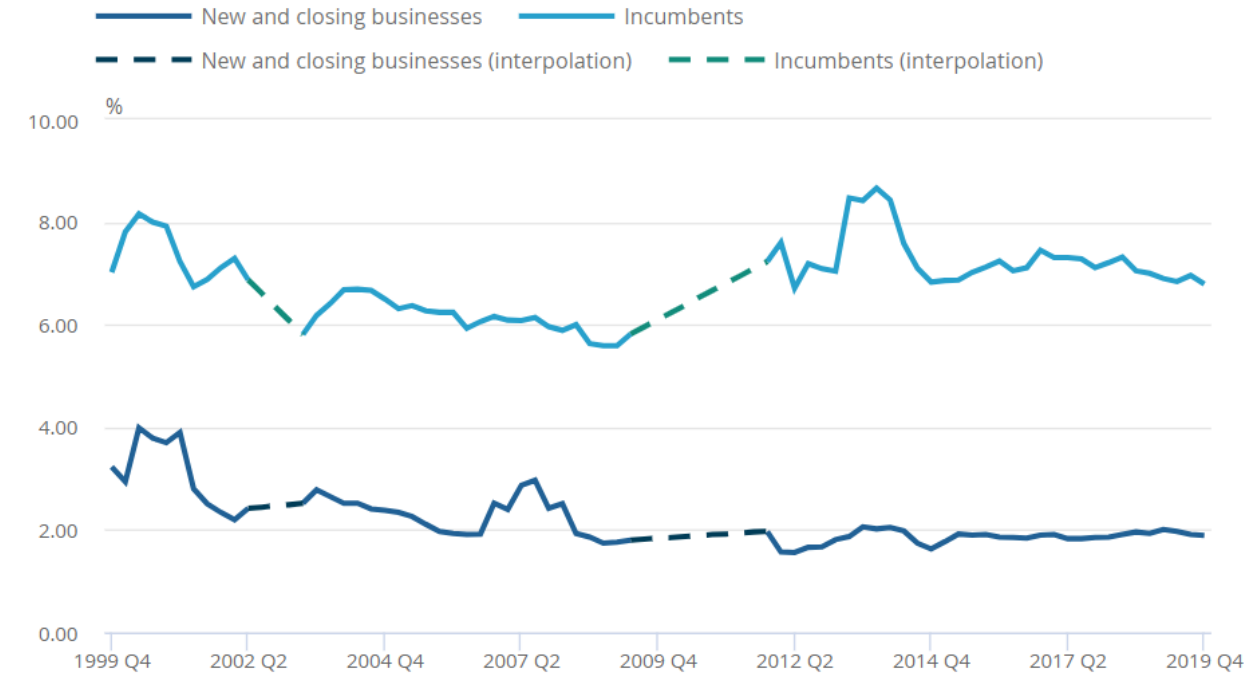
About the team

Economic Microdata Research team

- Develop linked datasets, typically firm level
- Publish original research
- Datasets on Secure Research Service

Research examples

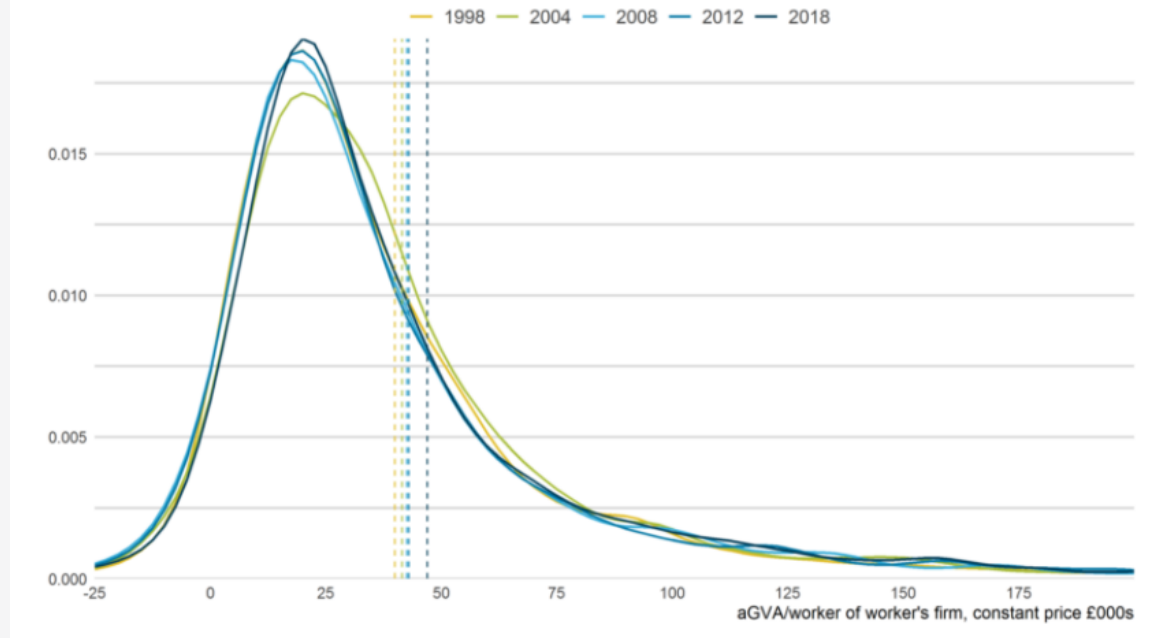
Quarterly averages of reallocation rates, UK, from 1999 to 2019



Business dynamism in the UK economy (Oct 2020)

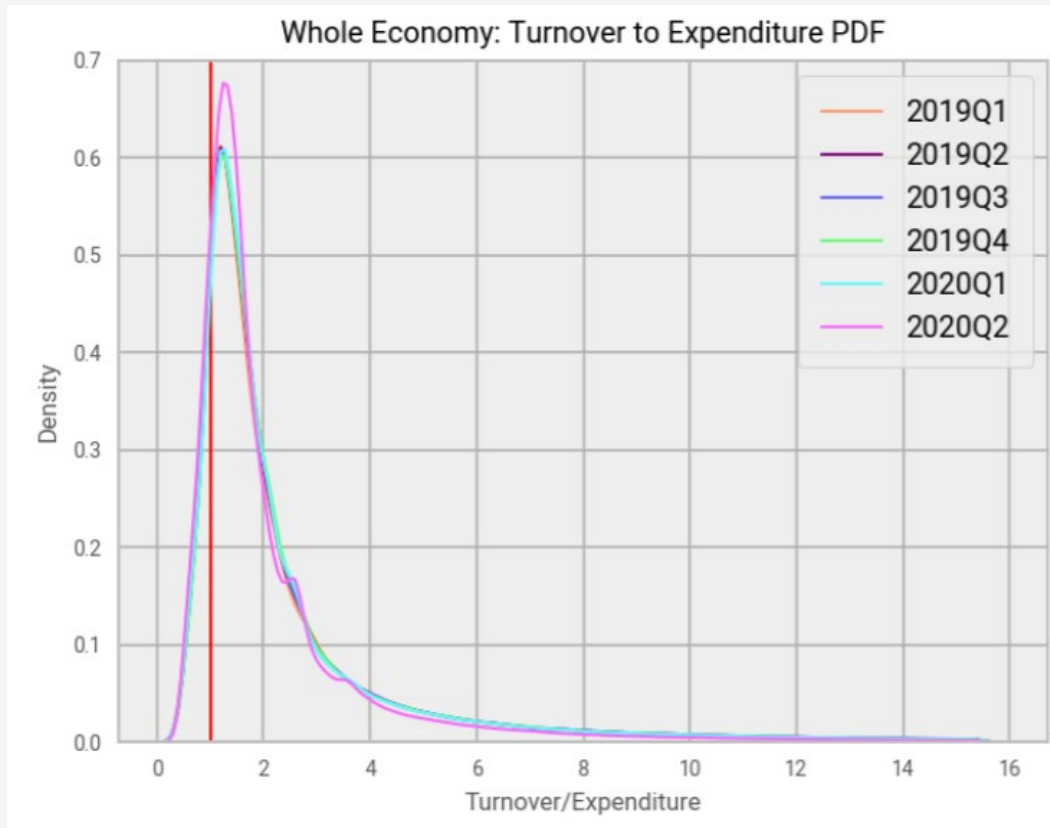
Figure 1: Workforce by labour productivity of the workers' business by selected years

Kernel density, constant prices, 1998 to 2018, Great Britain, business economy excluding agriculture and finance



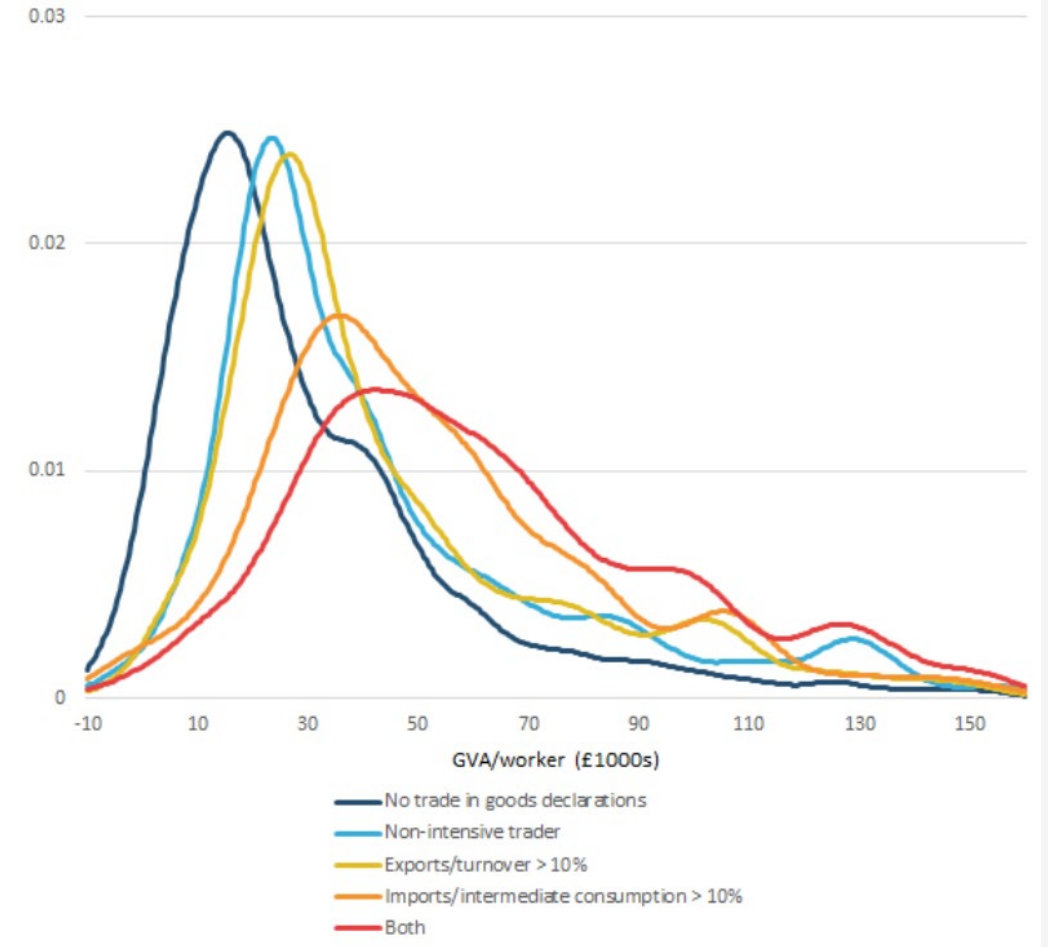
Firm-level labour productivity (June 2020)

Research examples



Improving economic measurement in the pandemic with VAT expenditure (May 2021)

Figure 9: Distribution of labour productivity by trader status, employment weighted, 2016, ABS basis



UK trade in goods and productivity (July 2018)

Datasets

- Management and Expectations Survey
- Linked Trade-in-Goods/IDBR
- Foreign Direct Investment Index

Challenges

- Complications of using, linking and understanding administrative data
- Balance between:
 - updating past outputs
 - producing new research/data improvements

Current and future work

Annual Respondents Database (ARDx)

- Longitudinal Annual Business Survey (ABS) with predecessor Annual Business Inquiry (ABI)
 - Bug fixes
 - Improved SIC conversion
 - Increased documentation
 - Updated capital stocks code
- January 2022 on Secure Research Service

Productivity microdata research

- Update firm-level productivity publication
 - including ‘how productive is your business’ tool
- Firm-level capital stocks and multi-factor productivity research
- OECD internationally comparable economic microdata
- Productivity microdata user guide

Longitudinal Business Database

- Quarterly snapshots of Inter-Departmental Business Register (IDBR)
- Longitudinal 'spine' to follow active businesses, linking on other datasets
- Research into business dynamism and restructuring
- Create datasets for Secure Research Service

Microdata congruence and future firm level data

- Linking administrative data to business surveys
- Aim to improve National Accounts estimates
- Potential to transform firm-level economic data: comprehensive longitudinal business measures
- But lots of work to do on data access and development

Thank you

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