

# CHALLENGES IN MEASURING THE MODERN ECONOMY

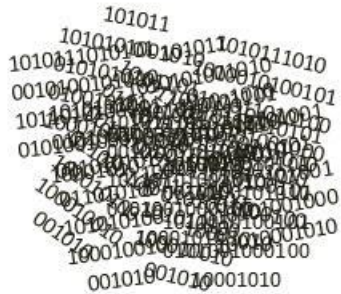
## **DIGITAL TRANSFORMATIONS**

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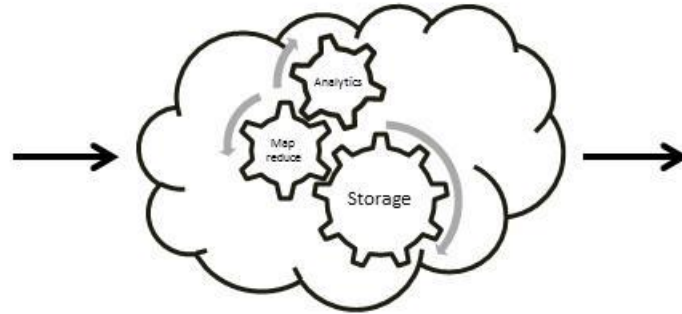
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Alessandra Colecchia, OECD  
Science, Technology and Innovation  
[alessandra.colecchia@oecd.org](mailto:alessandra.colecchia@oecd.org)

# DATA ON DATA AND DATA FLOWS



big data



data analytics  
& software



knowledge



value added

- ❑ Data not a good, nor a service?
- ❑ Data value depends on its use
- ❑ Data put into use is an intangible asset – how to account for it?
- ❑ Data flows have different nature and different implications

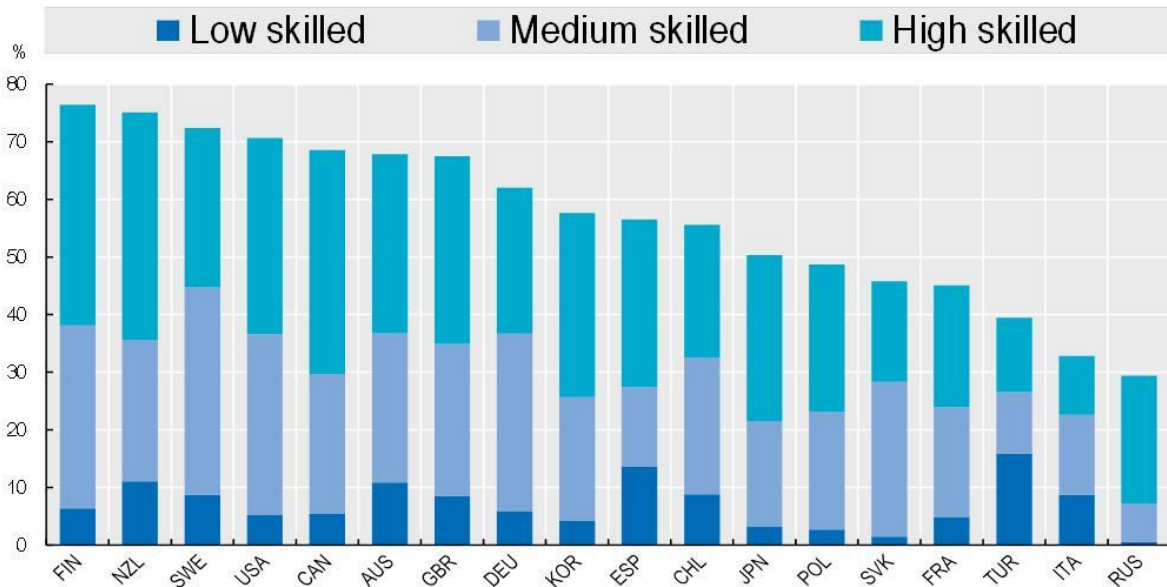


# DIGITAL TRANSFORMATION, JOBS AND SKILLS



- ❑ Who is getting displaced by technology and where
- ❑ What types of skills for tomorrow?
- ❑ Who is getting what type of training?

Workers receiving firm-based training, by skill level, 2012 or 2015, selected countries



Source: OECD STI Scoreboard 2017, OECD Publishing, Paris.

Doi: <http://dx.doi.org/10.1787/888933617605>

The New York Times

## Will Robots Take Our Children's Jobs?

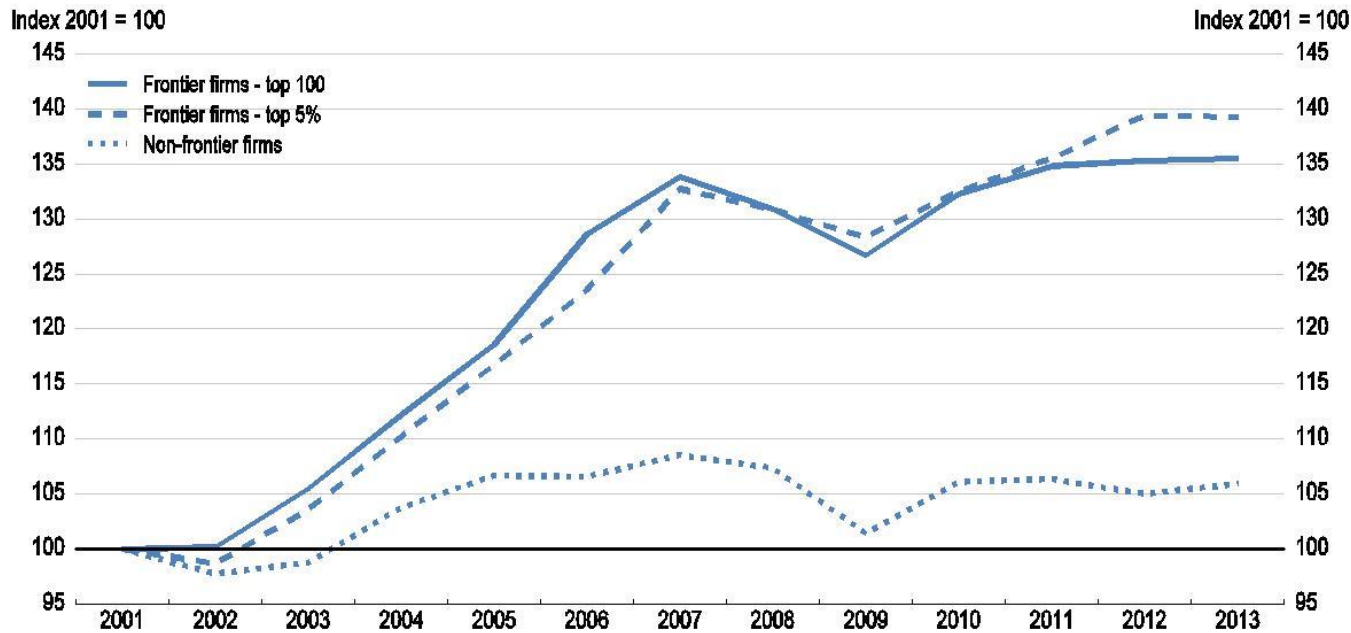
Leer en español

By ALEX WILLIAMS DEC. 11, 2017



# TECHNOLOGY DIFFUSION & PRODUCTIVITY

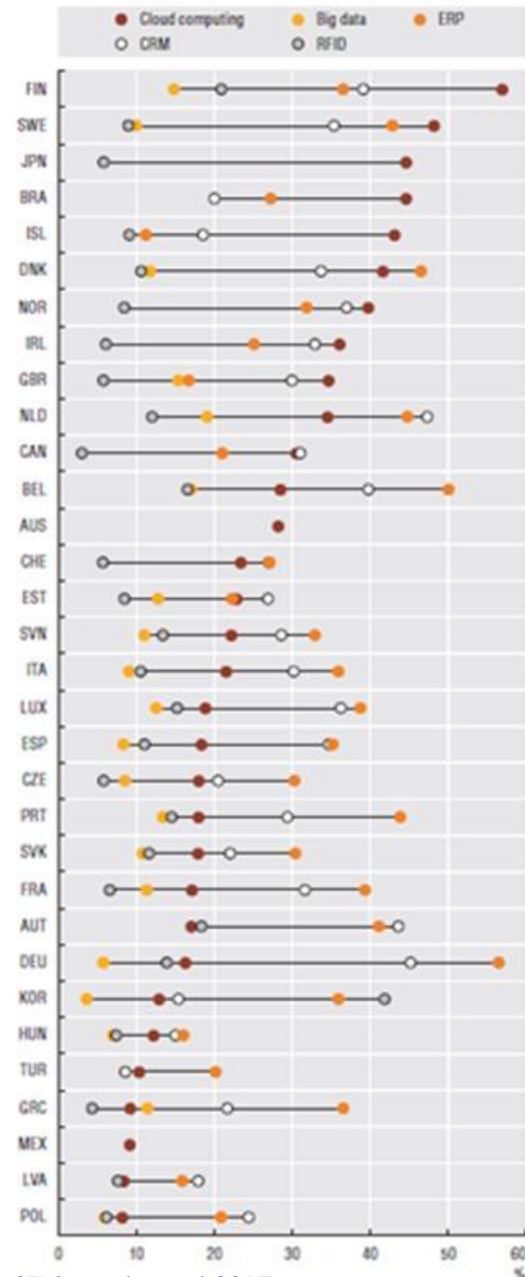
- ❑ Is the diffusion machine broken?
- ❑ How to measure technology adoption?



Note: "Frontier firms" is the average labour productivity (value added per worker) of the 100 or 5% globally most productive firms in each two-digit industry. "Non-frontier firms" is the average of all firms, except the 5% globally most productive firms.

Source: OECD Productivity Working Papers, forthcoming; Orbis database of Bureau van Dijk.

Diffusion of selected ICT tools and activities in enterprises, by technology, 2016  
As percentage of enterprises with ten or more persons employed



OECD STI Scoreboard 2017

Statlink: <http://dx.doi.org/10.1787/888933619581>