

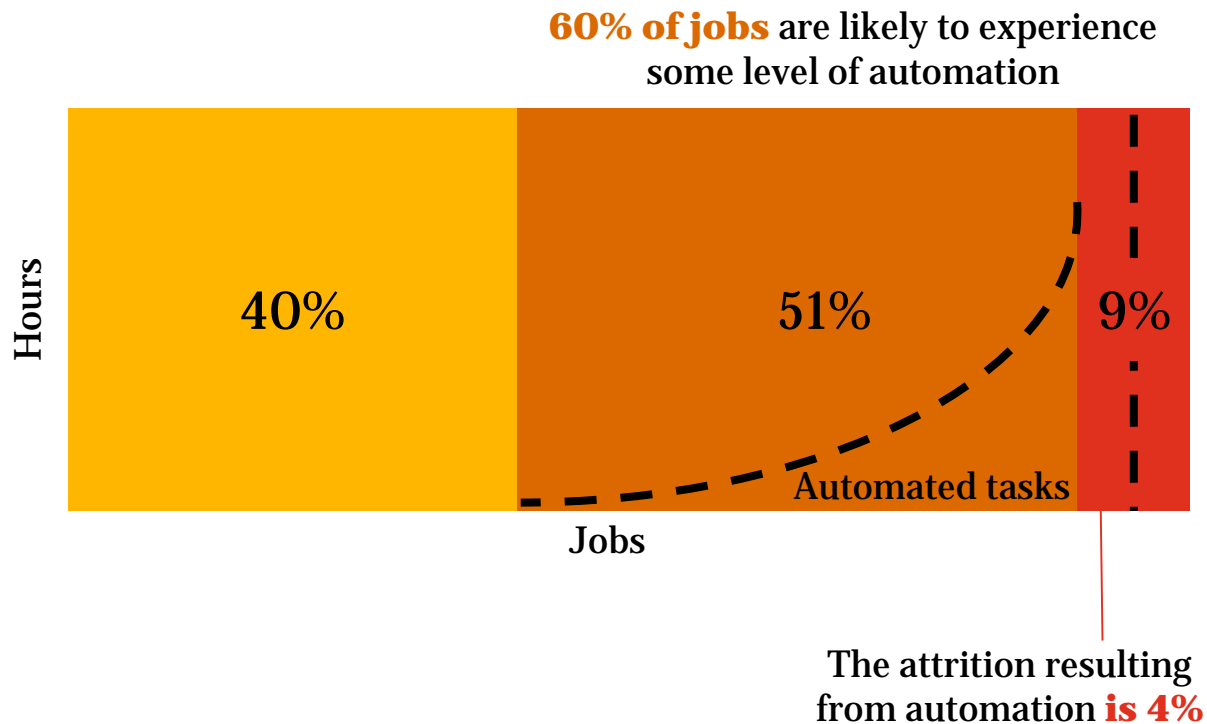
www.pwc.com.au

Workforce of the future

MINTRAC National Training Conference

April 2018

OECD Prediction on the future of jobs



Source: OECD

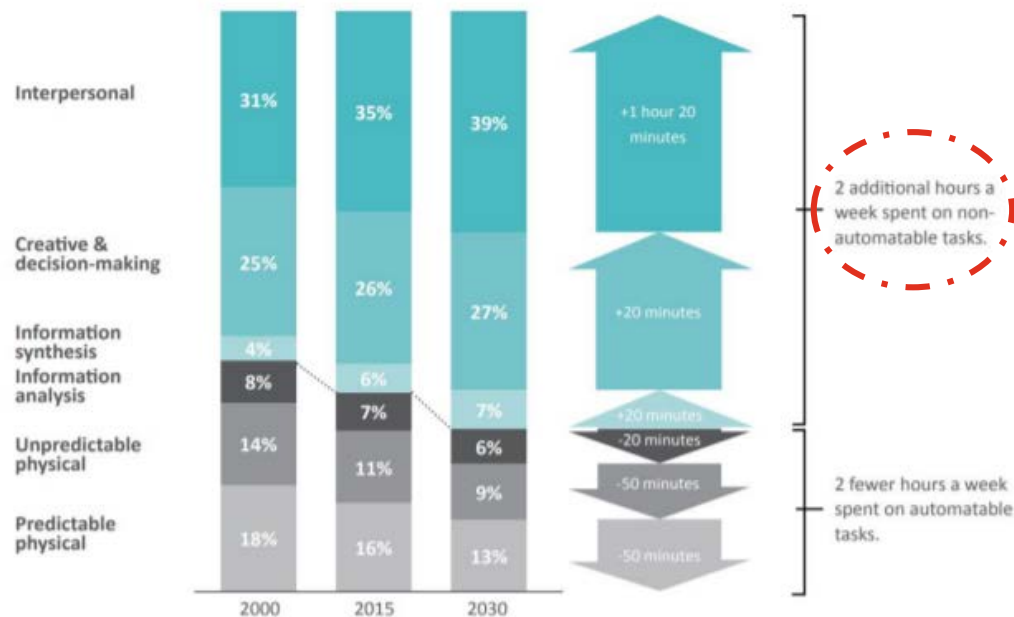
PwC

What does this mean for the working week?

Automation is changing the way we work, reducing the amount of time a worker will spend on routine tasks by up to 2 hours a week

Change in types of tasks performed by Australian workers
Average share of time spent on work activity

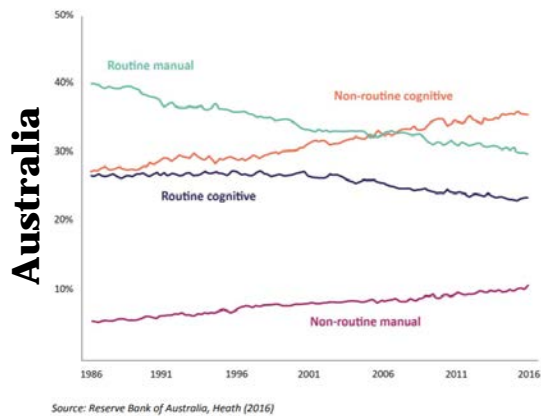
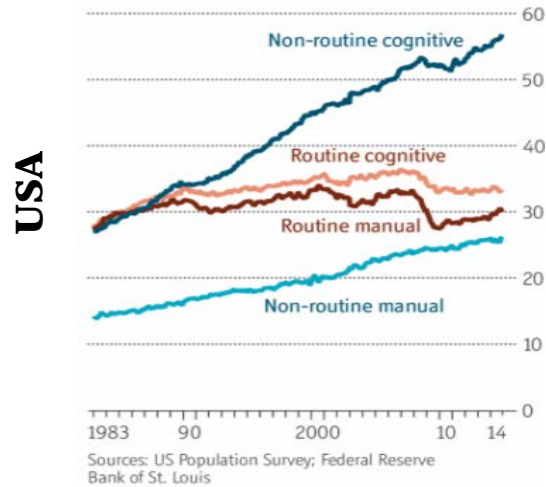
2015-2030 change in average work week



There is significant debate over *if* and/or *how* these skills can be taught. The answer to this question is the **\$1.2 trillion question.**

Source: Google, Alphabet

What types skills are rising or at risk?



	Manual	Cognitive
Non-routine	+5	+9
Routine	-10	-3

Source: Reserve Bank of Australia and Federal Reserve

What types skills are rising or at risk?

“Workers must be adaptable and resilient to a changing economy. They will need both...

skills that are likely to be required in the future...

... as well as skills to handle change itself.



Big Data skills



Cyber security skills



Automation skills



Green skills



Consumer Engagement

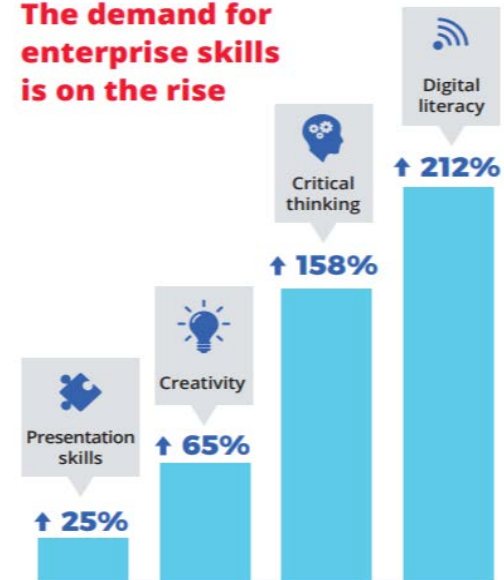


Supply Chain



Digital skills

The demand for enterprise skills is on the rise

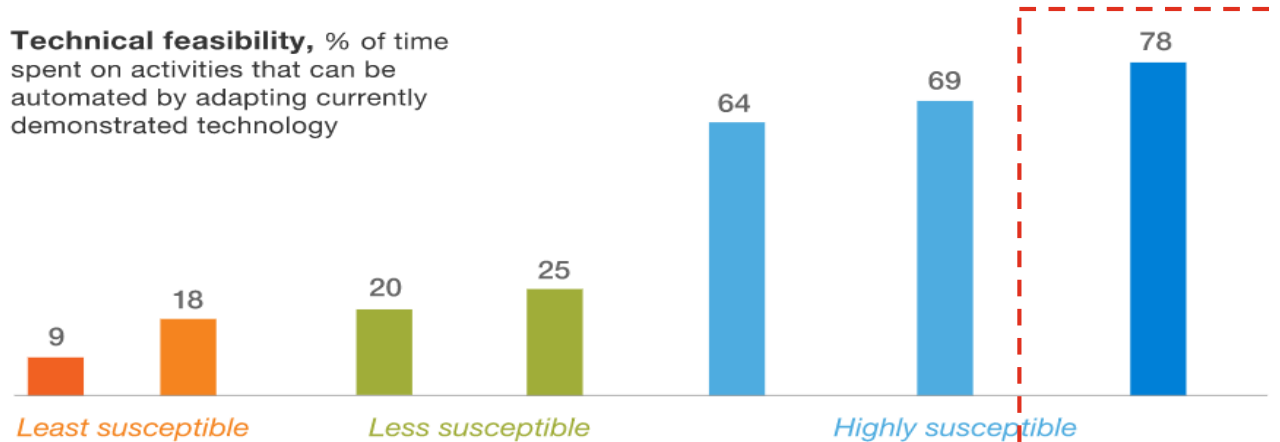


...as observed in earlycareer job ads over the past 3 years

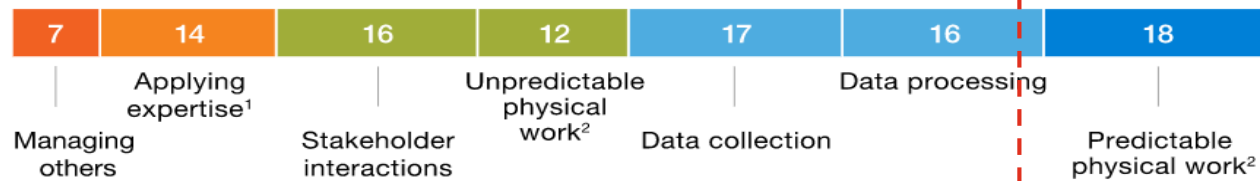
Source: Foundation for Young Australians

What types skills are rising or at risk?

Technical feasibility, % of time spent on activities that can be automated by adapting currently demonstrated technology

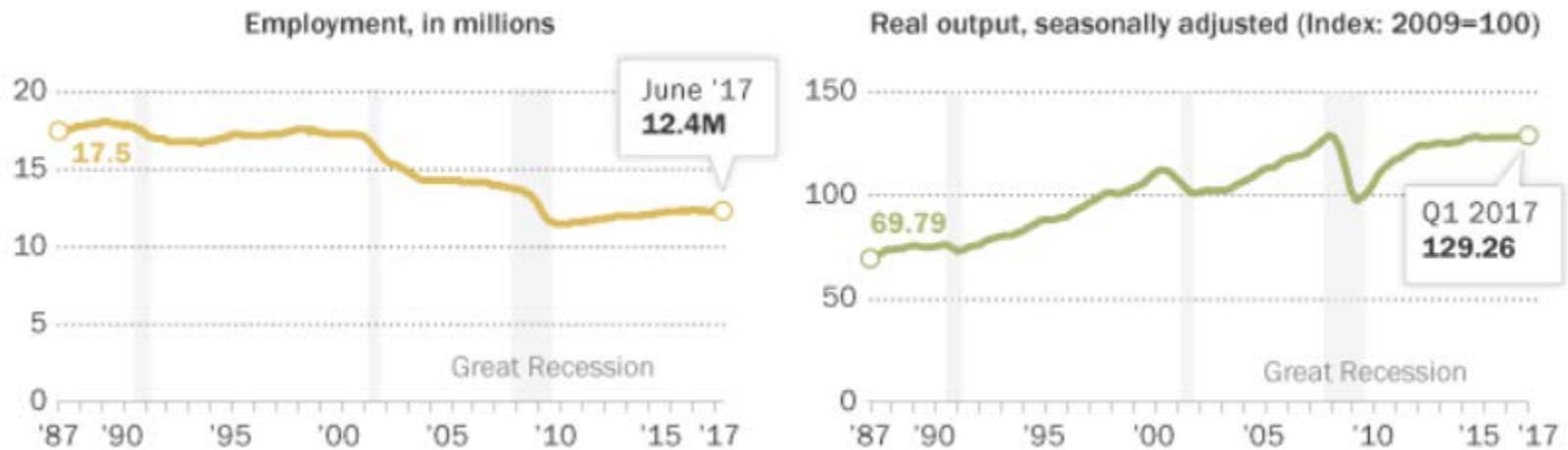


Time spent in all US occupations, %



What does this all mean?

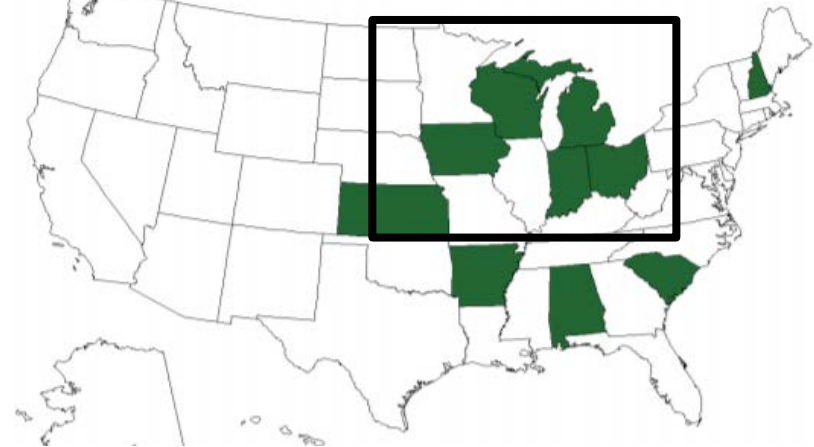
Manufacturing monthly employment and quarterly real output, 1987–2017



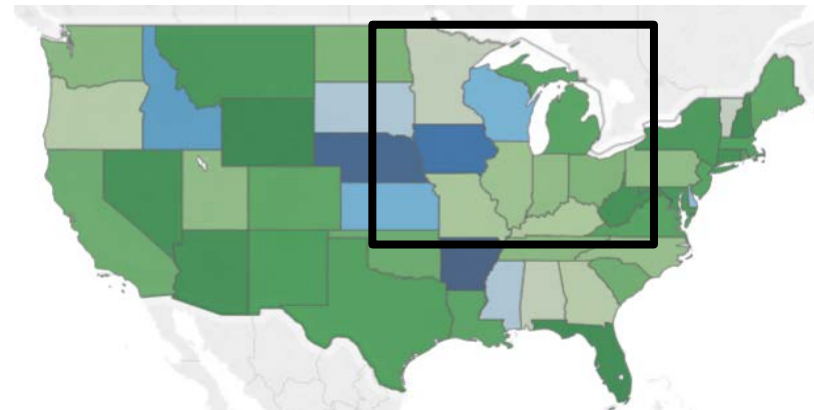
Source: Bureau of Labor Statistics, Pew Research Centre

What does this all mean?

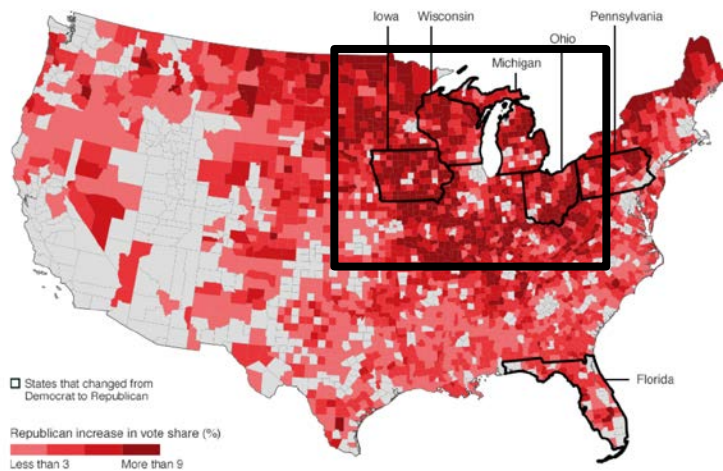
Manufacturing Production (Top 10 States)



Food Manufacturing Employment (Blue higher)



Counties where Trump increased the Republican vote



Source: BBC, Emsi, US Department of Economics and Commerce

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