


Jobs at Risk

The profound advances in technology have found ways to serve as substitutes for human capabilities. We've seen this on TV, films and books, now the alarming concerns have found their way into academic discourses. Soon robots will be able to do almost everything—including the most sophisticated brain work.

Jobs at Risk describe the impact of automation and robotics on jobs clustered in four groups; Professional Services, Manufacturing, High Touch Services and Low Entry Barriers Works.

Here, the Jobs at Risk are summarised, with the level of automation and robotic impact in replacing humans illustrated by percentage (%). As progress continues, the jobs at risk may slowly cease to exist—squeezing the opportunities in employment and fewer people in the industry will be necessary.



Low Entry Barrier Works

workers need minimal skills and experiences or only ordinary-level education qualifications. The jobs usually give recruits the benefit of a gainful occupation, opportunity to learn and gain experience, besides serving as a stepping-stone for higher-level jobs.




Manufacturing, Technical & Maintenance

is a field that involves planning, directing and coordinating activities concerning the production of goods. It requires technical know how such as studying and advising on technological aspects of manufacturing processes, conducting research and improving or developing concepts and theories as well as operational methods.



High Touch Services

covers occupations of the type that involve close relations with consumers or clients, requiring skills to understand the specific need of clients.



Professional Services

are jobs that require special training and higher education degree in the field of arts or science. Professionals proliferate the existing stock of knowledge by applying scientific and artistic concepts and theories as well as teaching foregoing analysis in a systematic manner.

References:

- From Brawn to Brains- The Impacts of Technology on Jobs in the UK, Deloitte
- Will Your Job Be Done by A Machine?, Planet Money
- University of Oxford, Carl Benedikt Frey & Michael A. Osborne

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