

IMPACT OF TECHNOLOGY AND AUTOMATION ON OCCUPATIONS IN THE US NAVY

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Widespread concern surrounds how emerging technologies may lead to significant job losses across the US economy, prompting our research to investigate this issue for the US Navy. Researchers have traditionally used job attributes such as tasks and abilities to gauge susceptibility of various occupations to automation. We introduce an innovative approach focusing on work activities and context, assessing the potential for automation using various technologies, from mechanical automation to artificial intelligence. Leveraging NAVY crosswalk of the O*Net occupation data, we provide predictions about the changing nature of occupations and estimate the potential loss of jobs in the US Navy.

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