



ERIK ENGBERG (born 1991) is a PhD candidate in economics at Örebro University and at the Ratio Institute. Prior to his PhD studies he worked as a Policy Analyst at the Swedish Agency for Growth Policy Analysis (Tillväxtanalys).

The theme of the dissertation is the economics of transformative technology. Four out of five essays are about the impact of artificial intelligence (AI) on the labour market. In empirical studies with data from Sweden, Denmark, Germany, and Portugal the authors find few signs of an association between AI and a reduced demand for labour. On the contrary, AI exposure is associated with increasing wages, increased hiring, and rising skill demands. One of the essays develops *Dynamic AI Occupational Exposure* (DAIOE), an original measure of occupations' AI exposure. The thesis furthermore explores social work tasks and their relationship to large language models (LLMs). The fifth essay is about venture capital (VC) investment, which often goes to young, high-tech firms. The essay investigates the effects of private and governmental VC investments on the receiving firms.

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