The economic opportunity of

Generative AI in Sweden

The economic opportunity

The boost to Sweden's GDP from generative AI around ten years from now, if widespread adoption is achieved.

500-550 BILLION SEK ANNUAL IMPACT

+9% GDP

Gains come from:

Productivity boost from people working with generative AI.

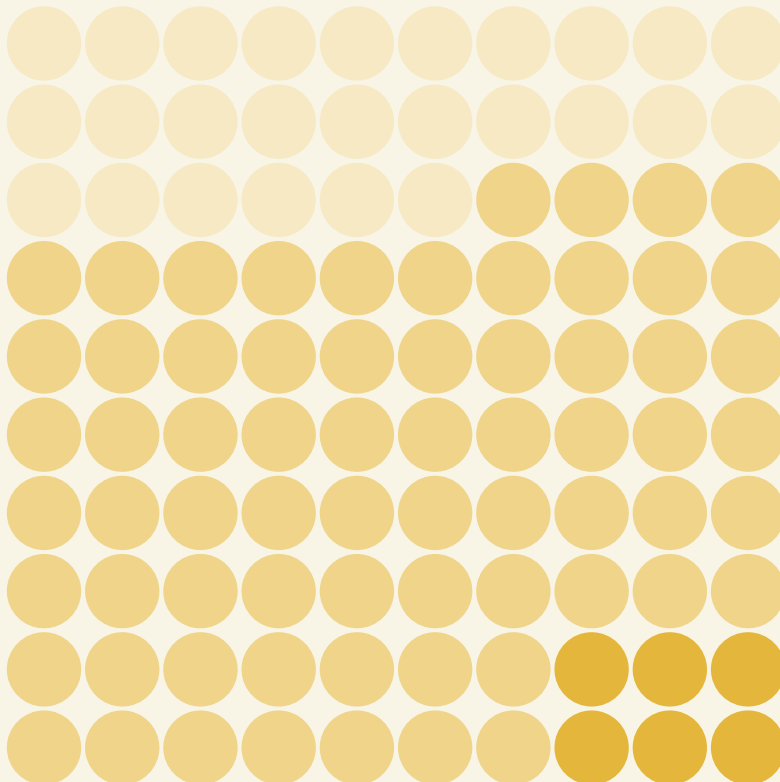Freed-up time when generative AI helps to automate our work.

Re-prioritised and re-employed time to other value-creating activities.

The job implications

No automation

AI as a complement

Partial or full displacement

26%
of jobs in Sweden are likely to remain unaffected by generative AI.
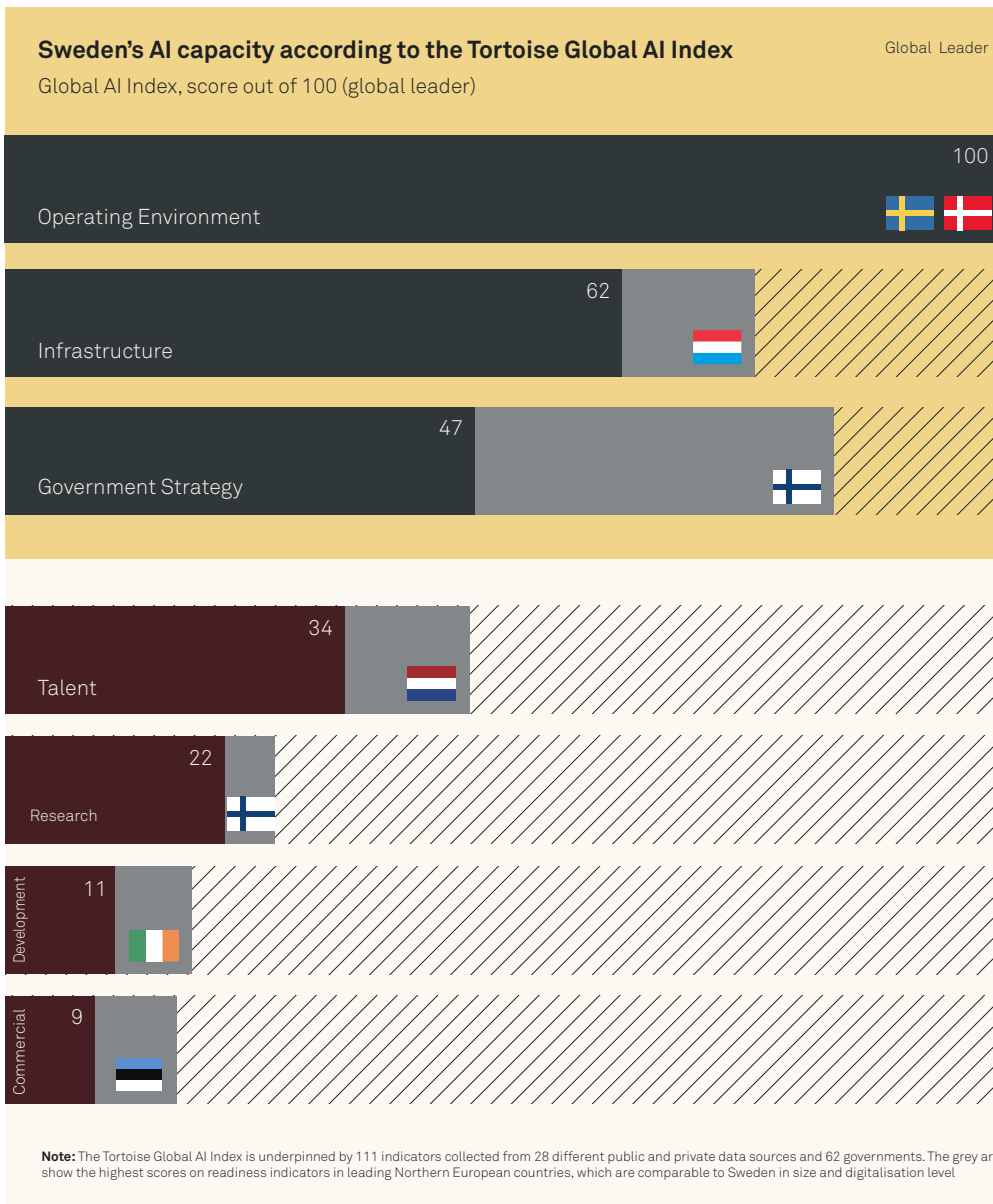
68%
of jobs are expected to work together with generative AI and see a boost in productivity.

6%
of jobs are estimated to be highly exposed to generative AI, leading to some job closures. However, the productivity boost from generative AI is expected to create new jobs replacing those lost to automation.

AI readiness in Sweden

Sweden's AI capacity according to the Tortoise Global AI Index
Global AI Index, score out of 100 (global leader)

Global Leader

Operating Environment	100
Infrastructure	62
Government Strategy	47

Adoption drivers

Sweden is well-placed on the early foundational drivers of AI adoption that ensure a safe and reliable AI-ready environment: operating environment, e.g. level of trust and cybersecurity (ranking second globally) and infrastructure.

Talent	34
Research	22
Development	11
Commercial	9

Innovation drivers

Similar to the other Northern European frontrunners, Sweden lags behind globally on AI innovation drivers (talent, research, development and commercialisation).

Current gaps suggest that Sweden is at risk of losing its frontrunner position and needs to focus on strengthening its strategic efforts in AI and the AI-related innovation drivers.
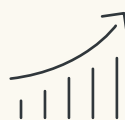
Note: The Tortoise Global AI Index is underpinned by 111 indicators collected from 28 different public and private data sources and 62 governments. The grey areas show the highest scores on readiness indicators in leading Northern European countries, which are comparable to Sweden in size and digitalisation level

The policy implications

Capturing the full economic gains requires innovation capabilities and a conducive regulatory framework to enable:

Growing R&D by local innovators

Enable innovation and invest in AI research and development.

Accelerating commercial uptake

Promote widespread adoption and universal accessibility.

Retraining and upskilling workforce

Build human capital and an AI-empowered workforce.

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