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Case studies on best practices in AI governance

Danish AI strategy, Governance and Signature AI projects

CURRENT AND FUTURE CHALLENGES OF
COORDINATED POLICIES ON AI REGULATION
European Council, Hungary, 2021

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Background

- 13 years experience with Smart City Concept
- 50+ cities worldwide, 10 Governments/ministry level, private sector
- National smart city strategies (DK, Germany, UK, Australia…)
- Smart City Expert Group for former Danish Government
- Hitachi: Director for Data Exchange and Member of Global Smart City Board (incl. C40)
- Smart City Insights past 4 years

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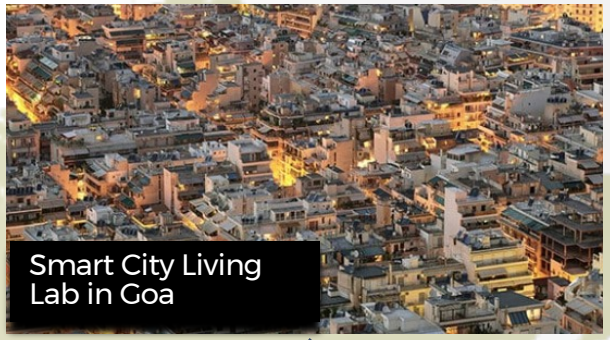

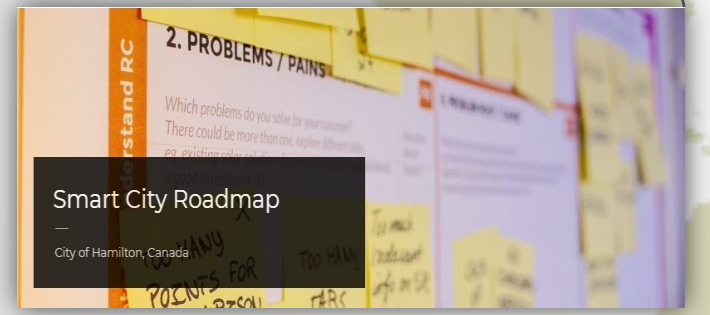

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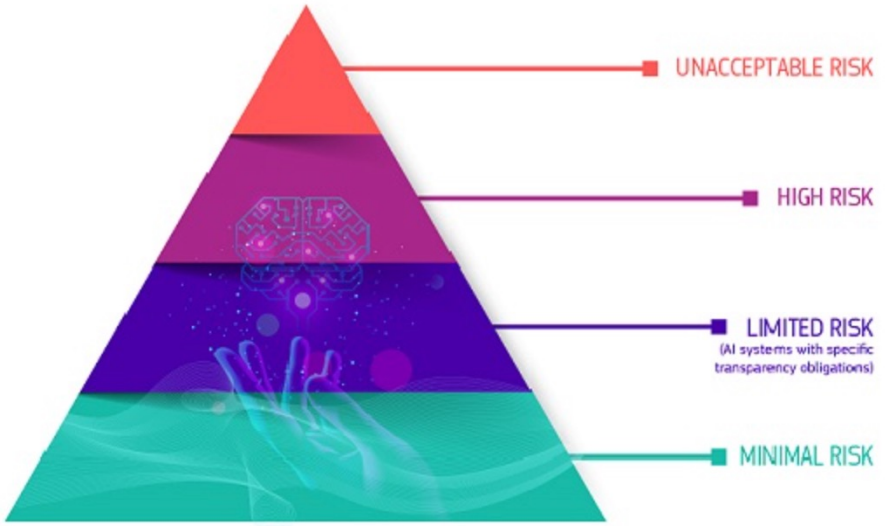
Introduction

GDPR and AI systems – Striking the right balance?

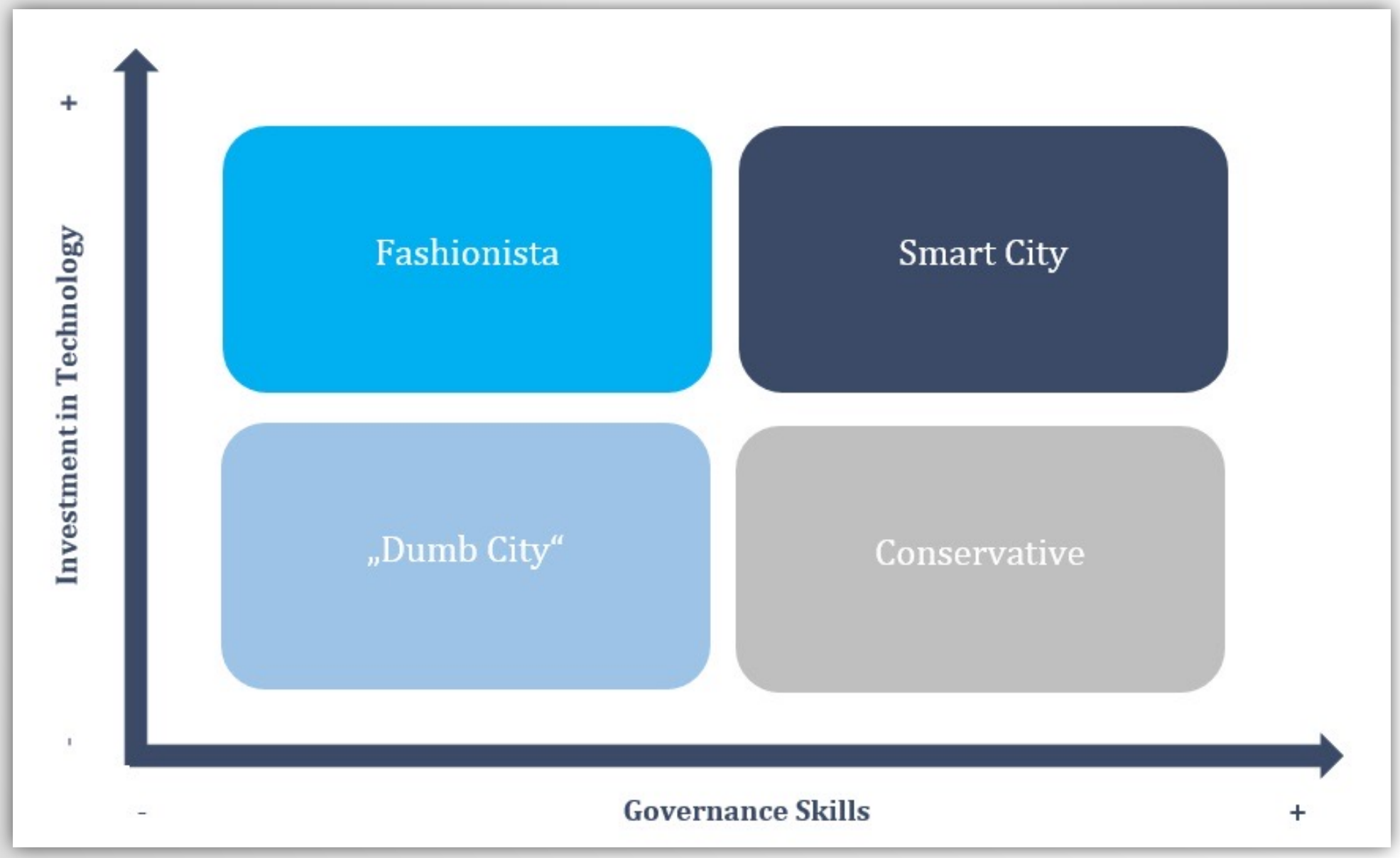
GDPR

The Artificial Intelligence Act

A risk-based approach



Typology of “Smart Cities“



National AI strategy 2019

The government's vision

Denmark is to be a front-runner in responsible development and use of artificial intelligence.

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Good starting point – but also challenges to be addressed

KEY OPPORTUNITIES	KEY CHALLENGES
+ A high level of readiness on digital adoption when it comes to first wave digital technologies	÷ Low levels of private sector investments in AI compared with global leaders; also when adjusting for GDP
+ A world-class pool of public data	÷ No leading city-level AI eco-systems in Denmark
+ A well-educated workforce	÷ Low levels of AI adoption among SMEs
+ A strong AI research community within sub-disciplines of AI	÷ A large, and growing, shortage of people with deep analytical skills relevant to AI deployment
+ Agile and non-hierarchical organizations	

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Four high level objectives

Common ethical and human-centered basis for AI

Researchers should research and develop AI

Danish businesses should achieve growth through developing and using artificial intelligence

The public sector should use artificial intelligence to offer world-class service

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Focus & Priority

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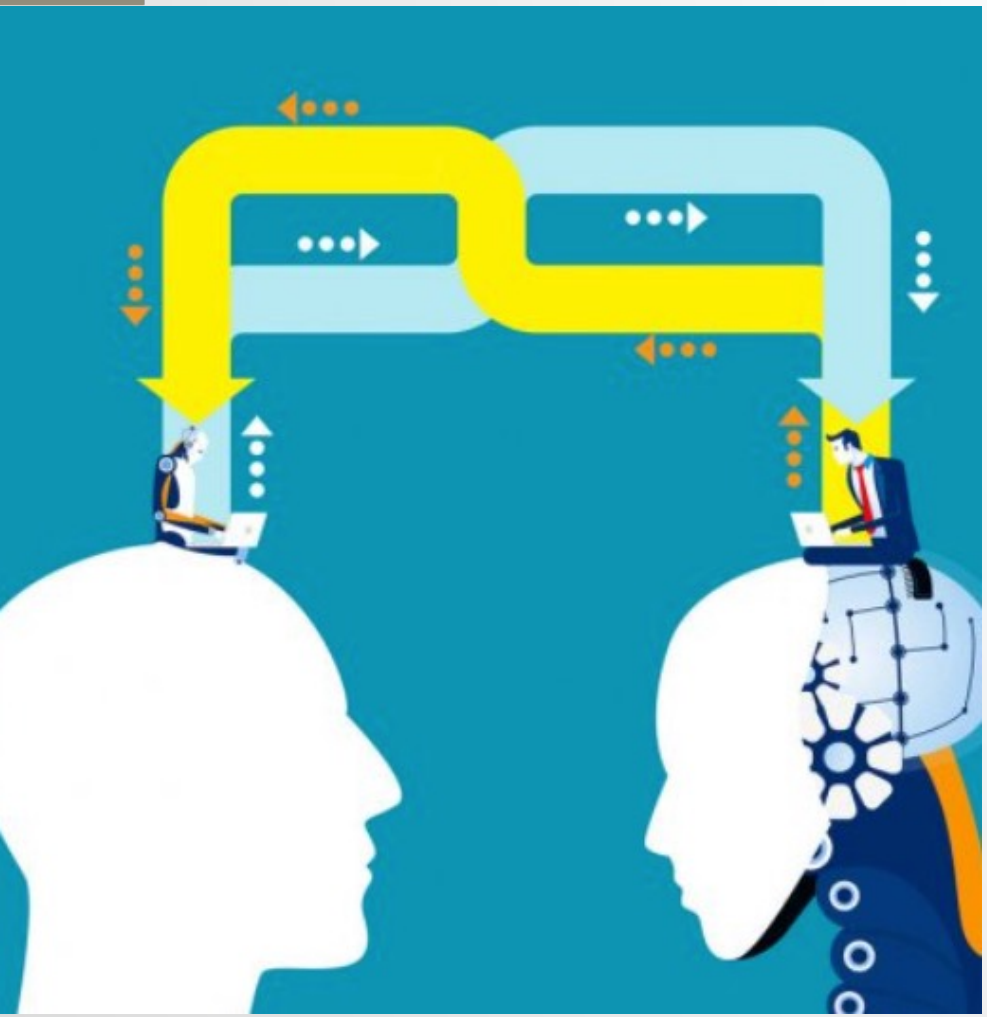
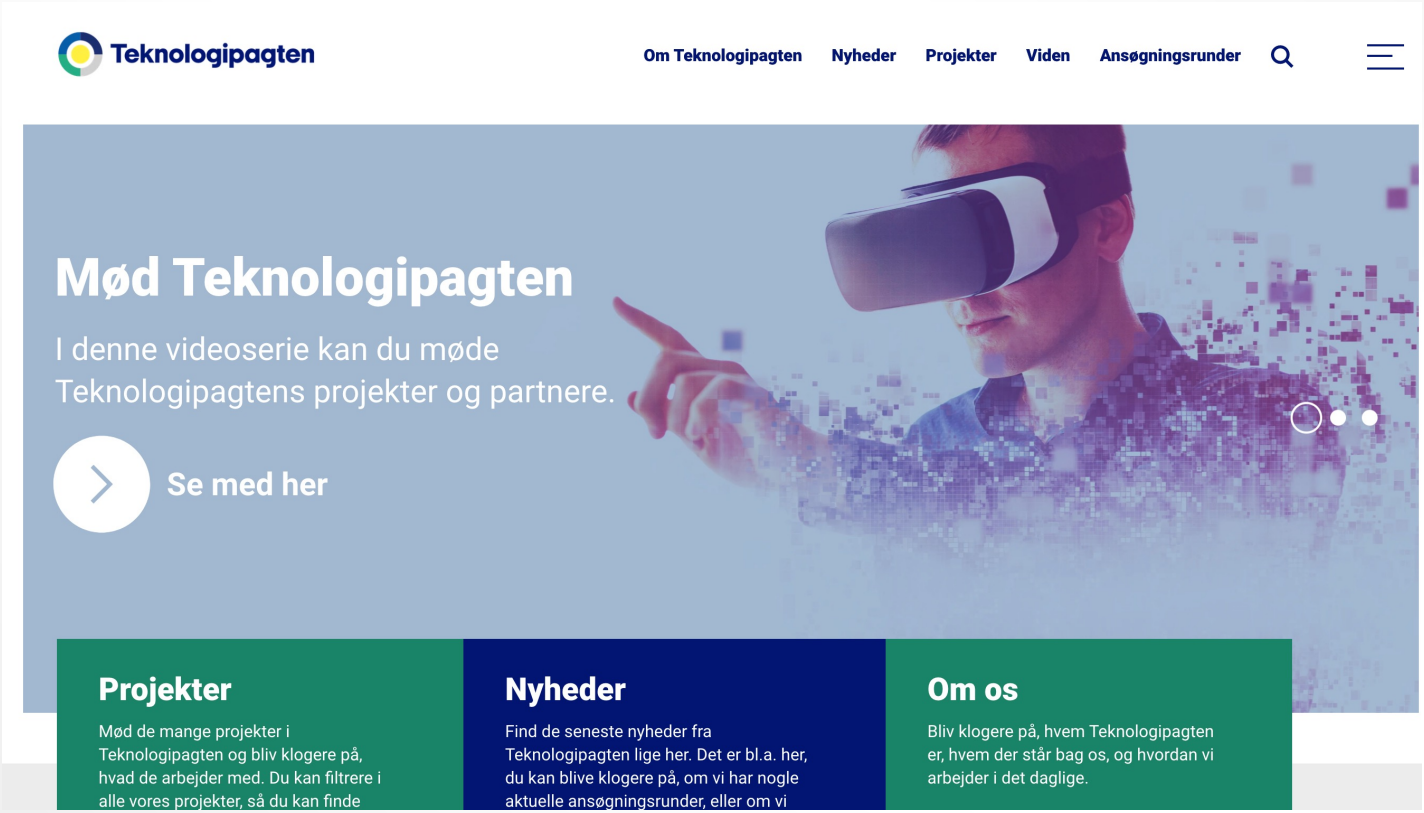
Human Capital



The Technology Pact



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Infrastructure

- Common Danish language resource
- More open data supporting priority sectors
- Digital infrastructure

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AI to address societal challenges

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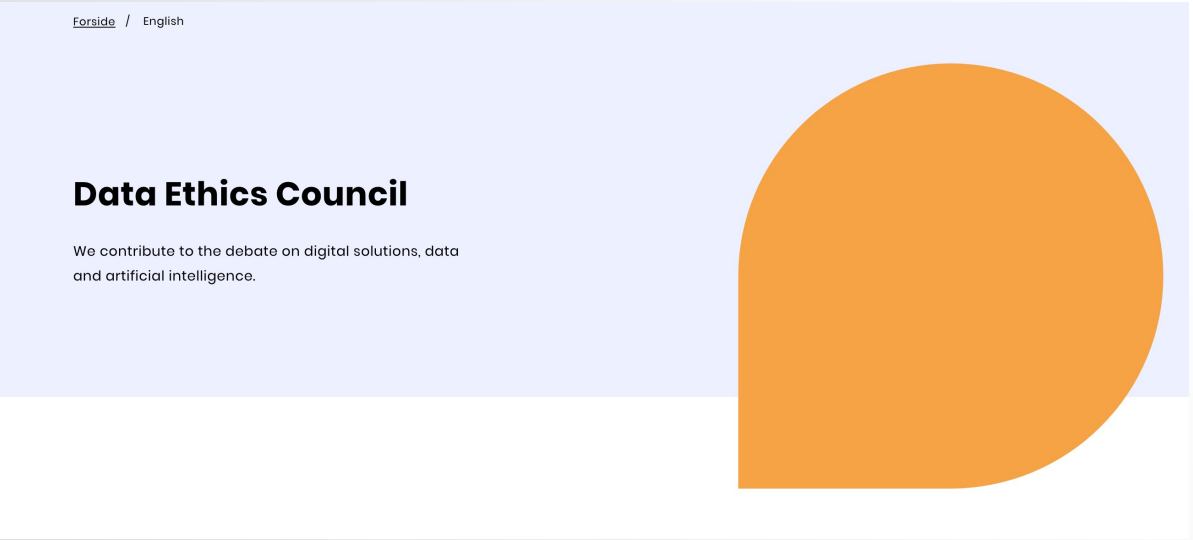
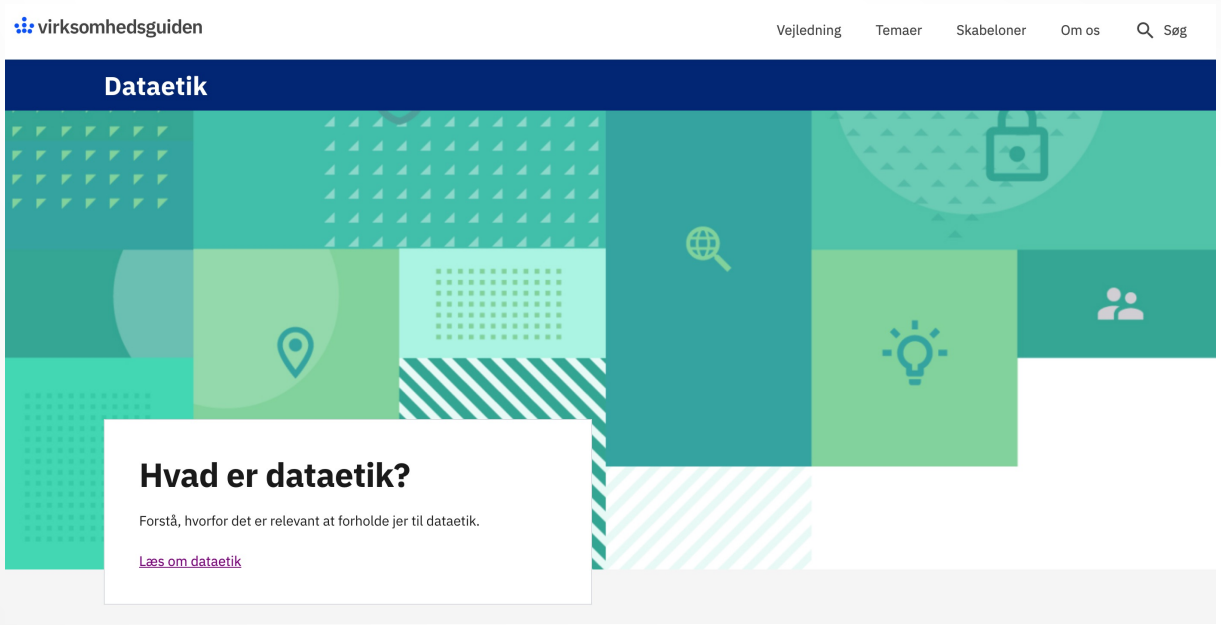
Regulation – Data Ethics





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From the Lab to the Market

Sprint Digital

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Signature Projects

Artificial intelligence for quality development in primary healthcare:
In primary healthcare, the technology can be used to support the work of general practitioners. With help from the technology, physicians will be able to notify the normal test results and identify abnormal test results more quickly. Artificial intelligence can also serve as decision support and, for example by assisting physicians in common tasks and diagnosing rare diseases.

Artificial intelligence for targeted employment efforts
Using artificial intelligence will potentially shorten unemployment periods. Analysing patterns in historical data on successful efforts will make it easier for case officers to target employment efforts to the individual citizen.

Artificial intelligence for better and quicker case processing in building projects
Artificial intelligence is likely to be used to reduce processing times when citizens or businesses need to get a building project processed. For example, in connection with screening applications, comparison with similar projects, categorisation of projects and decision support in case processing.

Thank you!

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