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Evolution & digitalisation



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Behavioural scientist & evolutionary biologist

Evolution & digitalisation



Quelle: ChatGPT 4o

humanity threatened by extinction...

Evolution & digitalisation



Ouelle: ChatGPT 4o



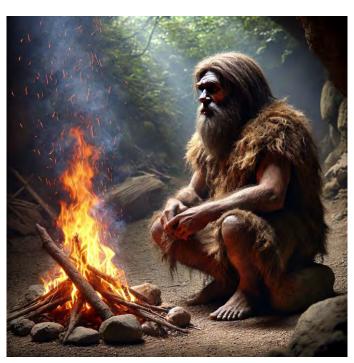
Ouelle: ChatGPT 4o

- Were afraid to use the fire
- Had to find the use case
- These days we still need a lot of effort to get it under control
- BUT it helped us to survive, and it has become an indispensable part of everyday life.

Evolution & digitalisation



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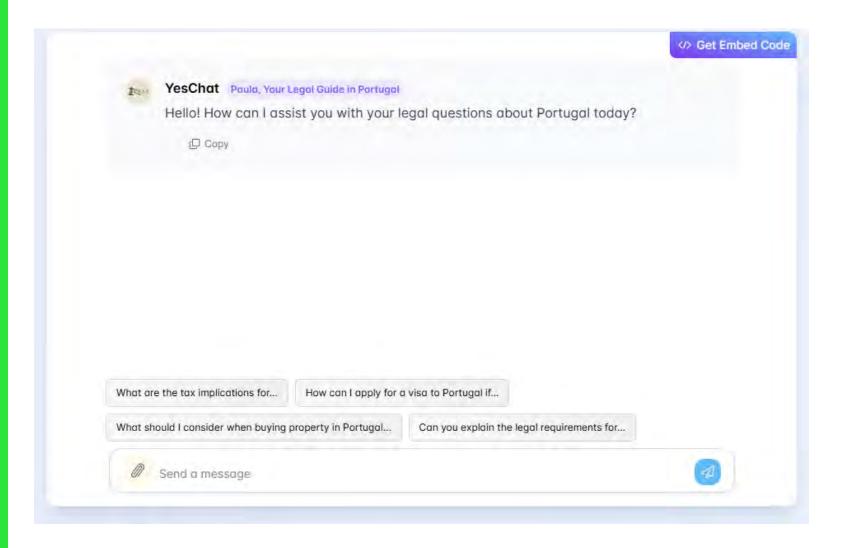
Portugal

Al Legal Adviser

Chatbot that helps
Portuguese citizens with basic legal questions

Paula, Your Legal Guide in Portugal-Legal Guidance on Portuguese Law

Navigating Portuguese Law with Al



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Non-emergency crime reporting system

Al assistant for reporting nonemergency crimes, such as fraud, graffiti, etc.

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Bürokratt – a single chatbot for Estonia

Bürokratt is a unique interoperable chatbot.
Bürokratt is meant to be an interoperable network of public sector agencies attached to national information communication systems, as well as those provided by the private sector, that will be made accessible via one single chatbot.

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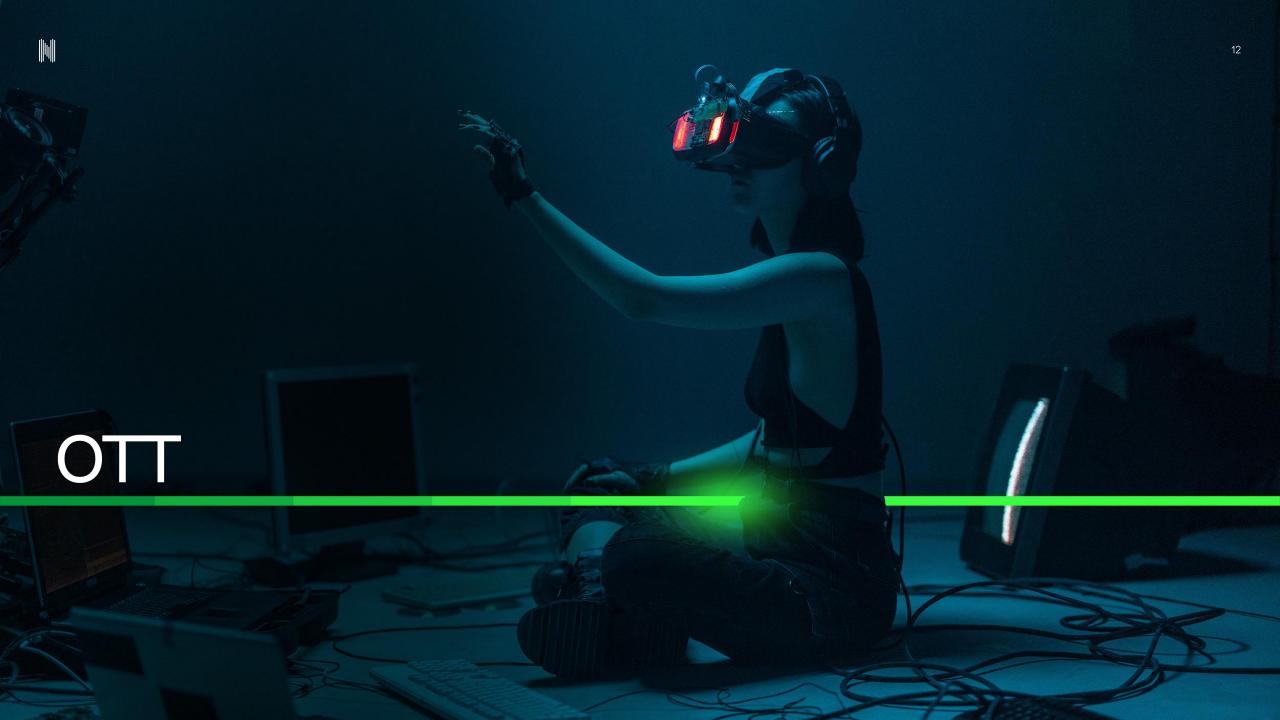
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Estonia

Recognising and combating the risk of unemployment

Using historical data, the solution helps to predict the risk of unemployed people reentering the labour market and suggest suitable training courses.



What is OTT?

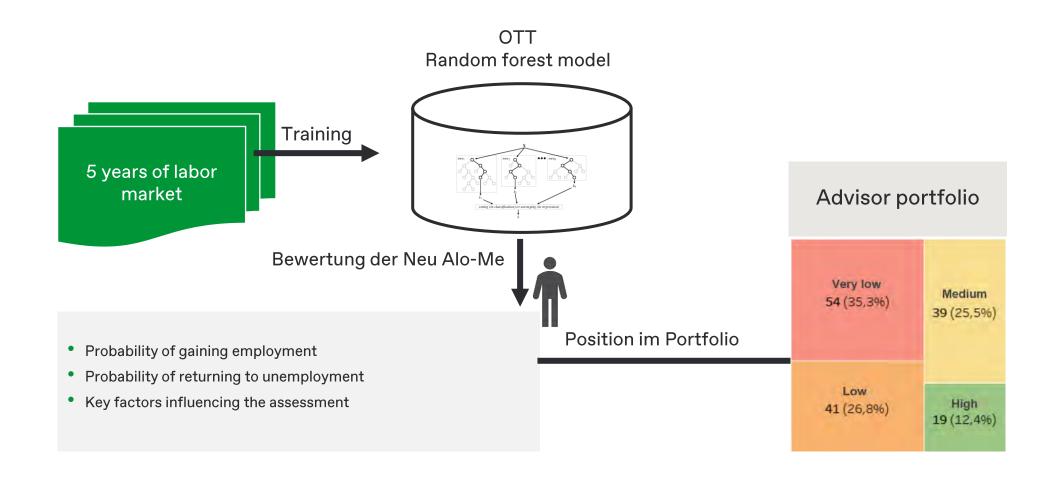
- Al-based decision support tool
- Supports advisors of unemployment insurance by providing data on unemployed individuals
- Additionally, it predicts the likelihood of the unemployed person finding a job
- Takes into account data from the unemployed individual as well as the current market conditions



Why OTT?

- Funded Al Project
- COVID-19 and a significant increase in unemployment
- Example of Al supporting people
- 70,000 unemployed individuals for 350 advisors
- Speed of reintegration
- Quality of counselling
- Organizational efficiency
- 10 years of historical data for training

OTT integrates a machine learning model into the advisor's daily processes



The data used by OTT

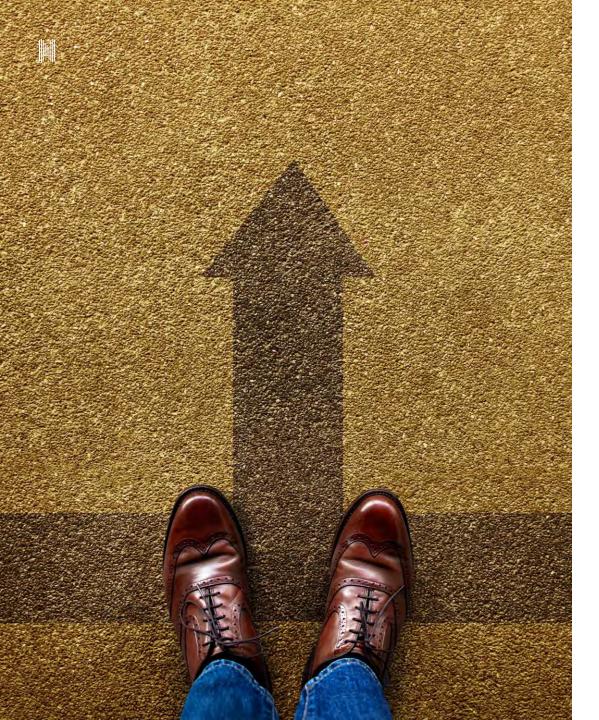
About the job seeker

- Socio-demographic data
- Previous unemployment data
- Skills (e.g. Estonian language skills, computer skills)
- Previous unemployment data
- Eligibility for financial assistance
- Membership of risk groups



About the labor market

- Development of the unemployment rate
- Transitions into employment
- Number of job openings in the area that match the job seeker's preferences



Benefits of OTT

- Focusing on the right priorities (by determining the probability of which citizens will find work on their own)
- <u>Improved</u> and <u>faster service</u> for the unemployed without additional costs for the administration
- Organizational processes run more <u>efficiently</u> (by supporting advisors with high workloads, e.g., due to clients with high support needs)
- <u>Automatic identification of barriers</u> to re-employment and offering alternative courses of action
- Labor market data provide an opportunity to develop <u>optimized</u> <u>labor market policies</u>

Ethics, GDPR (General Data Protection Regulation), etc.

- OTT supports decisions but does <u>not</u> make them.
- A data protection impact assessment was conducted beforehand.
- The main idea is to <u>determine the need for support</u>.
- <u>Job seekers are informed about the use</u> of their data for probability assessments in the general data protection terms (we use your data in a predictive model to determine the most suitable way to assist you; the model does not make automated decisions).
- The tool's results are intended to be shared with job seekers through our self-service portal.

Based on our previous experience

What are the important prerequisites to consider?

Data availability, relevance & structure

- Quality information structure with proper classification and labelling.
- Invest time in ensuring that the information is relevant, accurate & up-to-date.
- Ensure information ownership and proper storage.

Data accessibility and confidentiality

- Ensure correct access rights are in place, and check who has access to what information.
- Ensure compliance with data protection and privacy regulations.

Integration with systems & databases

• Build integrations with where the information sits. Simplify and optimize as much as possible.

Al use case repository



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