

Artificial Intelligence

66

Machines that can solve a problem

which requires human intelligence















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Machines that can solve a problem

which requires human intelligence

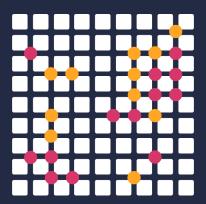
Solved by perceiving contextual information





















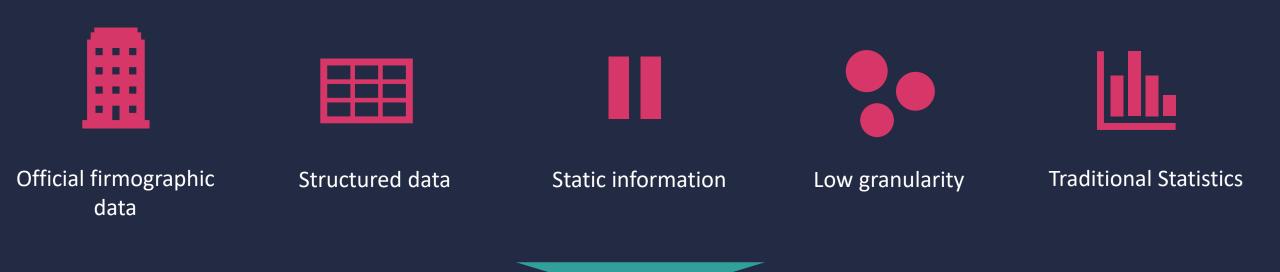




What about Lead Generation?



Usual approach



Need for accurate and dynamic company pictures



How to leverage contextual information to offer game changing performances?



Key Aspects



Focus on unstructured online data

Where valuable information actually is



Connect AI paradigms together

Crucial to combine variety of unstructured data



Automation & Scalability

Across geographies but also languages



Overview





Use case



World's largest trade fair, congress and event organizer

Objective

Detect high quality leads





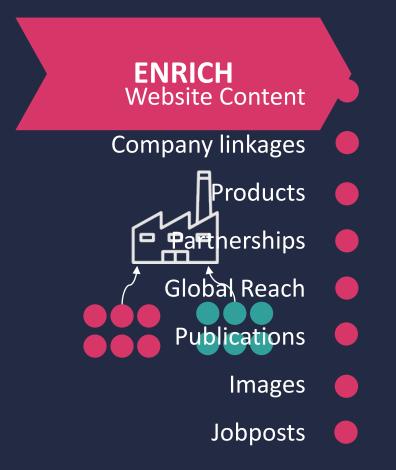


Overview





Overview



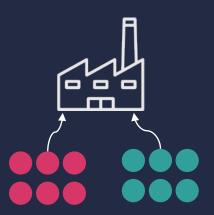
Company online information can be identified through:

- Website identification
 - Gradient Boosting on website features derived search engine results
- Company mentions
 - Named Entity Recognition combined with Elastic Search disambiguation on 1M+ news articles

Overview

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- Website Content
- Company linkages
 - Products
 - Partnerships •
 - Global Reach
 - Publications
 - Images **(**
 - Jobposts **(**





11M+ Companies



39 Countries

- Company name
- Industry codes
- Company age
- Company size
- Revenue
- Profit/loss
- Equity
- Subsidaries



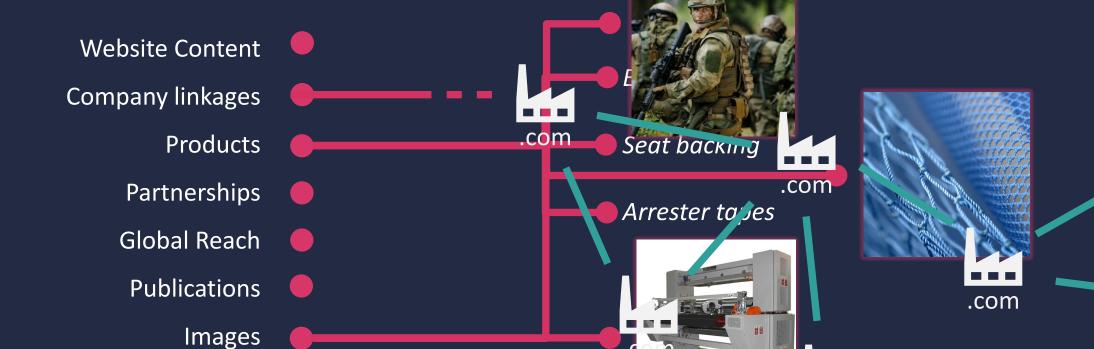
Jobposts

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1. Automated feature extraction from unstructured data

.com

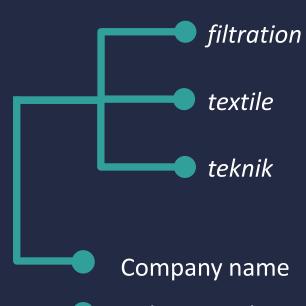


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1. Automated feature extraction from unstructured data

- Website Content
- Company linkages
 - Products **(**
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 - Global Reach
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Naïve Bayes Classifier to derive respective probabilities



- Industry codes
- Company age
- Company size
- Revenue
- Profit/loss
- Equity
- Subsidaries



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2. Train lead score model based on combined features

Gradient Boosting





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PREDICT

11M companies







...

Learned Model



Individual lead score

for each company





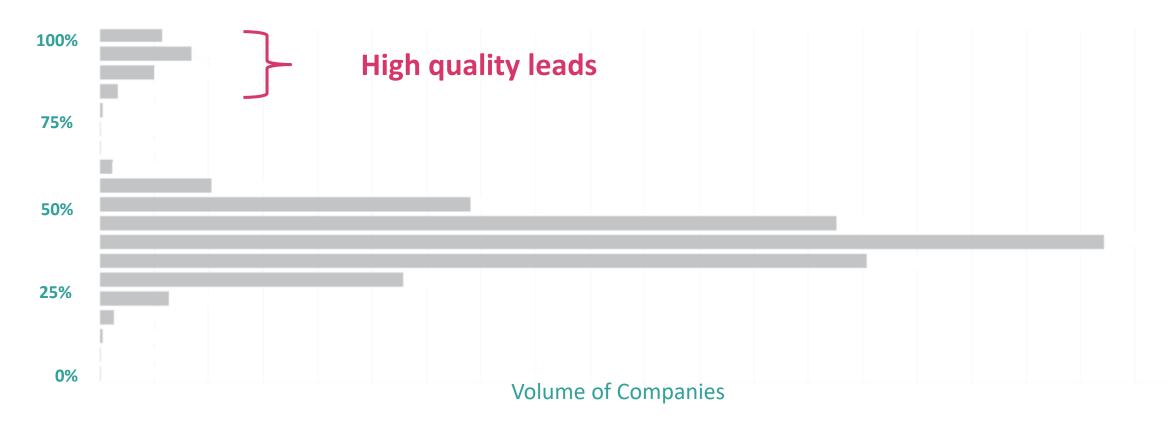


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Results







Results

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PREDICT

Technical textile fair

Heathcoat fabrics

Industry Code 2252

Establishments primarily engaged in manufacturing women's full-length and knee-length hosiery (except socks), and panty hose

Official industry clearly not relevant, but ...





Results



Textile innovation

Search Q



LATEST NEWS



Performances

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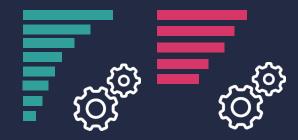
PREDICT

Standard approach





Offline & Online features







Bisnode