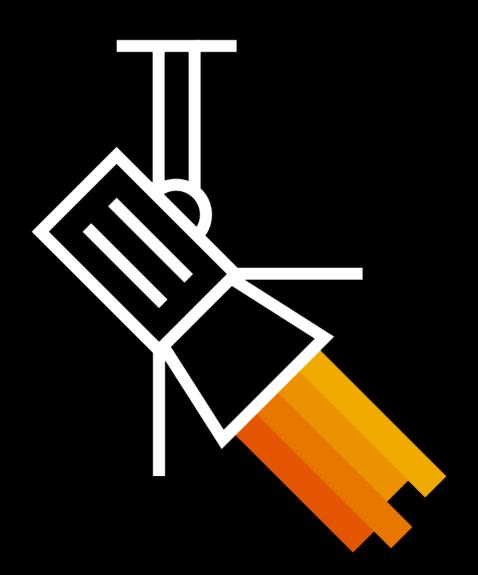


On the Challenges of Translating NLP Research into Commercial Products

Daniel Dahlmeier ACL 2017 - Vancouver

PUBLIC



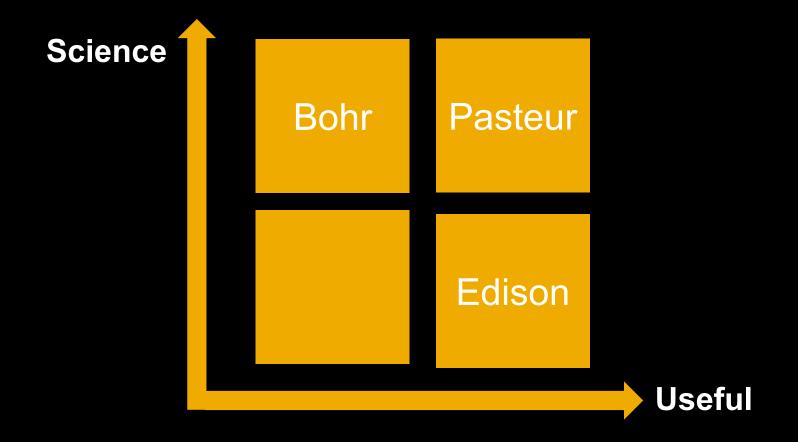


Basic Research

Applied Research

Engineering

\$\$\$



Innovation = Novelty + Impact

Challenges to Innovation

- Lack of value focus
- Lack of Reproducibility
- Lack of (Domain) Data
- Overemphasis on test scores
- Difficulty of adoption
- Timelines

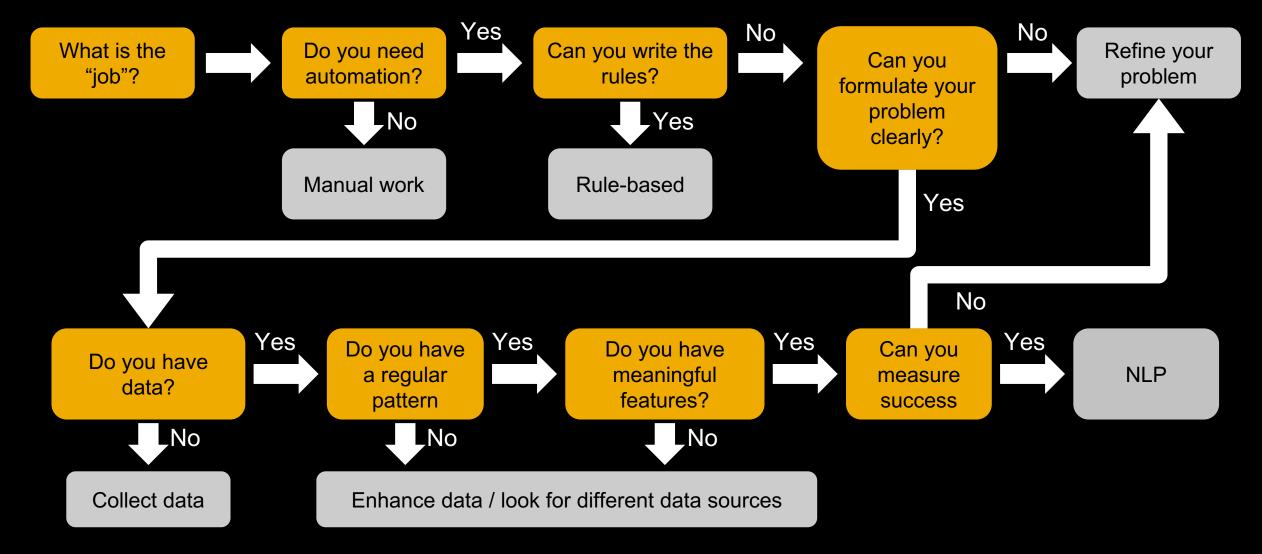
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Challenges to Innovation

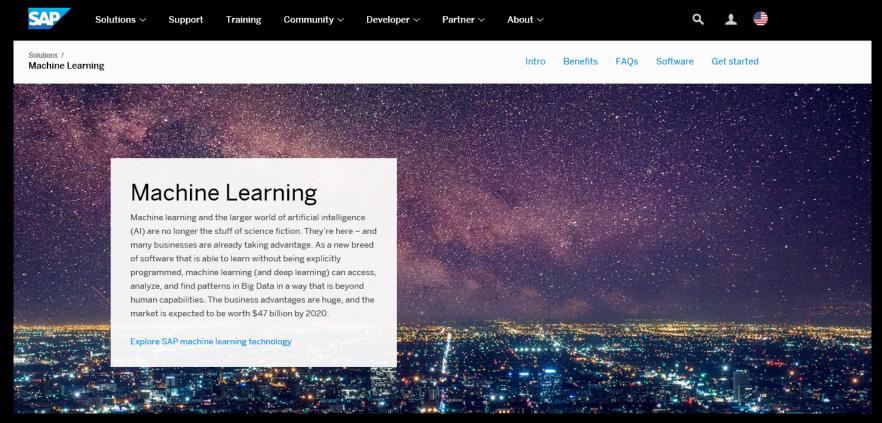
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From Business Problem to NLP Problem The "cheat sheet"



SAP is hiring ML and NLP experts! Come and talk to us at the SAP booth!

sap.com/ml
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Appendix

SAP's vision for enterprise machine learning

SAP Leonardo

Machine Learning

Create your own intelligent infrastructure

Automate Knowledge Work



Transformational HR services



Lights out **finance** operations



- Self-driving customer service
- Conversational sales bots
- Customer retention insights

Do the Impossible



- Image-based Ariba commerce
- Contextual Concur travel concierge



- Video-aware marketing
- Visual store execution



Drone and satellite-based asset management



- Vision-enabled manufacturing
- Contextual logistics

SAP Cloud Platform and SAP HANA

Build your intelligent enterprise now

SAP makes machine learning incredibly simple

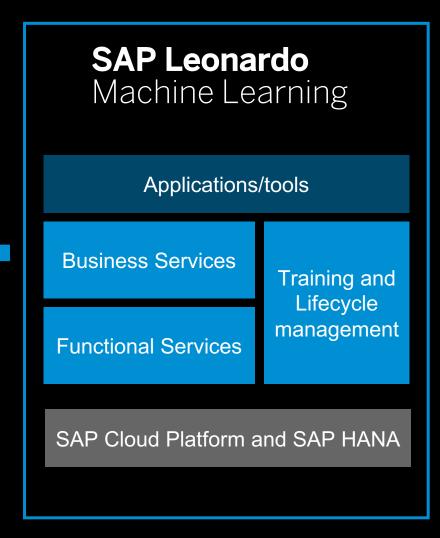
SAP Assets

76% of the world's transaction revenue touches an SAP system

25 industries

12 lines of business

The world's largest business network



Business Outcomes



Increase revenue with superior sales targeting and execution



Re-imagine business processes with digital intelligence



Improving quality time at work for employees



Increased customer satisfaction with superior service



Enabling product, process and business model innovations