

TODAY'S PRESENTER





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LESSONS LEARNED FROM AI TRANSFORMATION



1 Identify right areas of focus

2 Balance exploration and exploitation

Balance focused initiatives & mass enablement

Stay flexible & react to the changes in technology

AI PRIORITIES IN IU GROUP





<u>」</u> SALES

EFFICIENCY

PRIO 1

PRIO 2

PRIO 3

- Reimagining education: how would it look like tomorrow?
- Reimagining sales processes with AI

- Enabling all teams with relevant tools
- Helping build organizational buy-in for high prio initiatives

ROI:





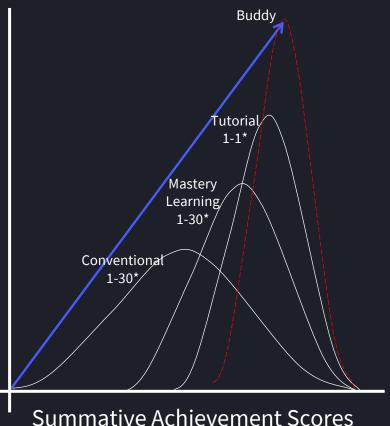




WHY GEN-AI IS SO IMPORTANT FOR EDUCATION

Achievement distribution for students

Under conventional, mastery, and tutorial instruction



Already in the **PAST**

- **1-on-1 tutoring** has been gold standard to achieve best learning outcomes
- Most of the learning takes place **outside the** classroom

Potential for the **FUTURE**

- With AI even better and more targeted personalization becomes possible
- AI can take an important role to **shape the learning** experience and make it more engaging especially outside the classroom

Education transformation

- Education is one of the very few sectors in which the **value** and outcome for the customer with Al is not only more efficient but orders of magnitude better
- For Education this is the **biggest disruption** since the invention of the classroom model

^{*} Teacher-student ration

SYNTEA IS OUR TOP PRIORITY PROJECT, BUT NOT A **FOCUS OF TODAY PRESENTATION**



Syntea 🕽 (Synthetic Teaching Assistant)

PERSONALISATION

We leverage AI/NLP to personalise the study experience and provide truly adaptive teaching, delivering time saving to students

ACADEMIA @SCALE

IU is growing fast – 100k+ students want tutor time yet staying flexible. With NLP we can have both simultaneously and augment teaching @scale.

STAY AHEAD

We consider ourselves to be the thought leader in application of AI to improve higher education experience.



VDI nachrichten

University World News (1987)













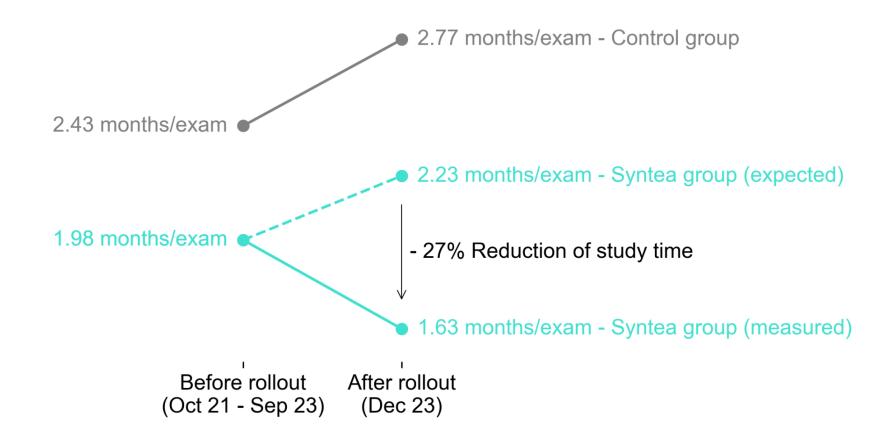
Frankfurter Allgemeine



SYNTEA BRINGS TANGIBLE BENEFITS OF AI TO STUDENTS: 27% OF REGISTERED SPEED-UP

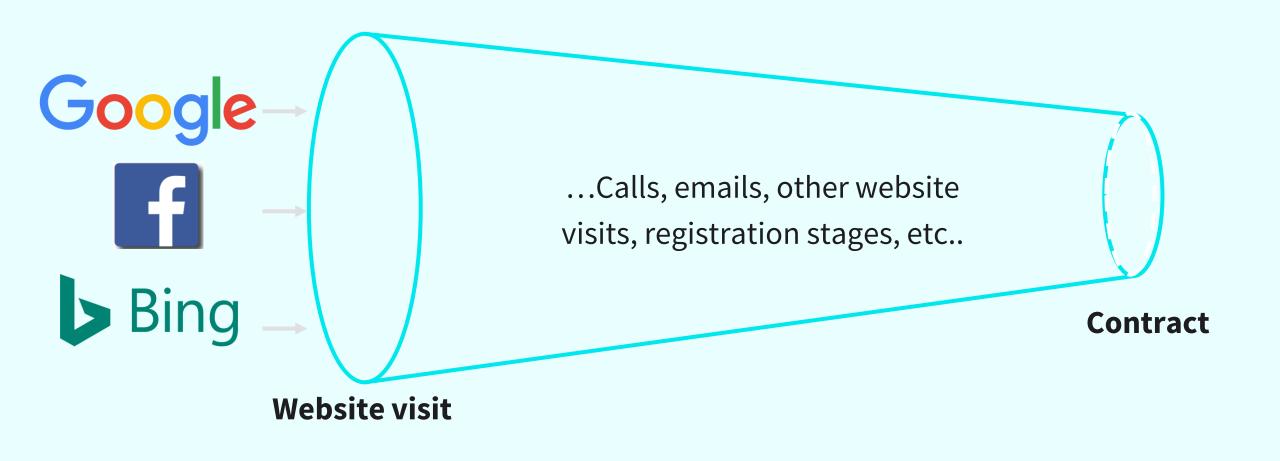


Average study durations before and after Syntea rollout



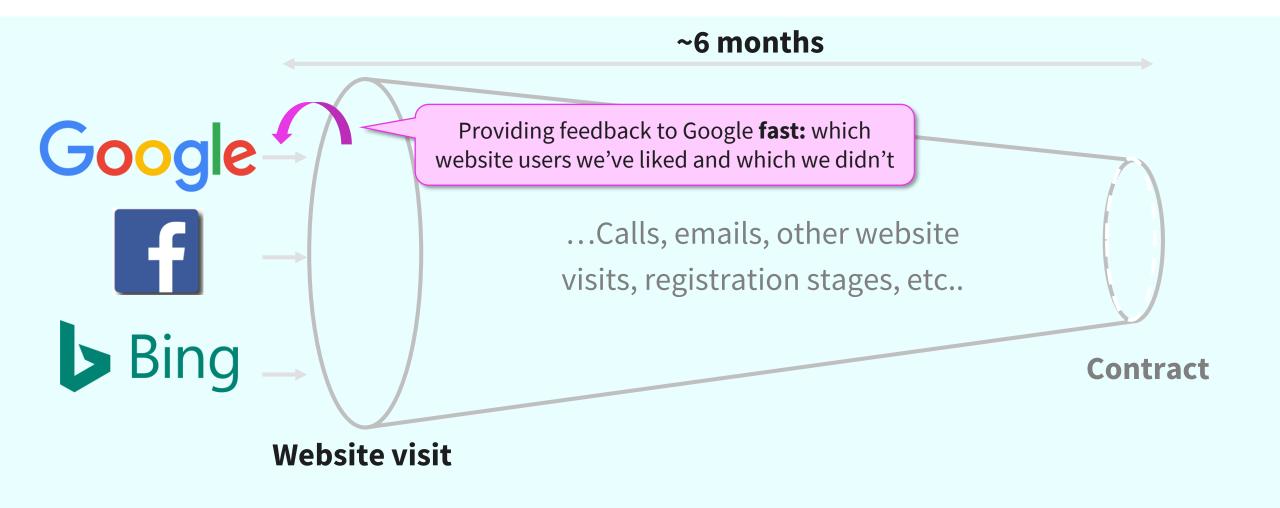
FOCUS ON SALES AREA IS JUSTIFIED BY DIRECT MONETIZATION POTENTIAL





LONG LEAD TIMES IS ONE OF THE BIG PROBLEMS SOLVED BY D(CVP) PROJECT





DCVP PROJECT BRINGS AROUND XX% PROFIT INCREASE





Description

- Combined CRM and website data to enhance conversion predictions
- Feedback conversion signals to Google for quality traffic



Pitfalls

- Approach requires a **stable data platform**
- Not as straightforward to scale between units
- High business CAGR means poor data quality

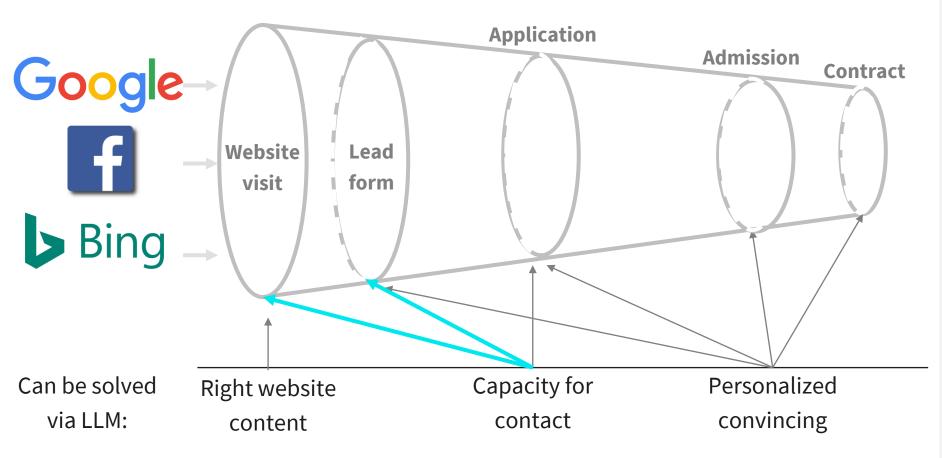


- AA% revenue increase with B% of incremental cost
- Day-over-day stability of traffic volume remains a concern

NLP OPENS UP A LOT OF POSSIBILITIES IN REDESIGNING



THE DOMAIN, WITH EXPLORE & EXPLOIT BALANCE

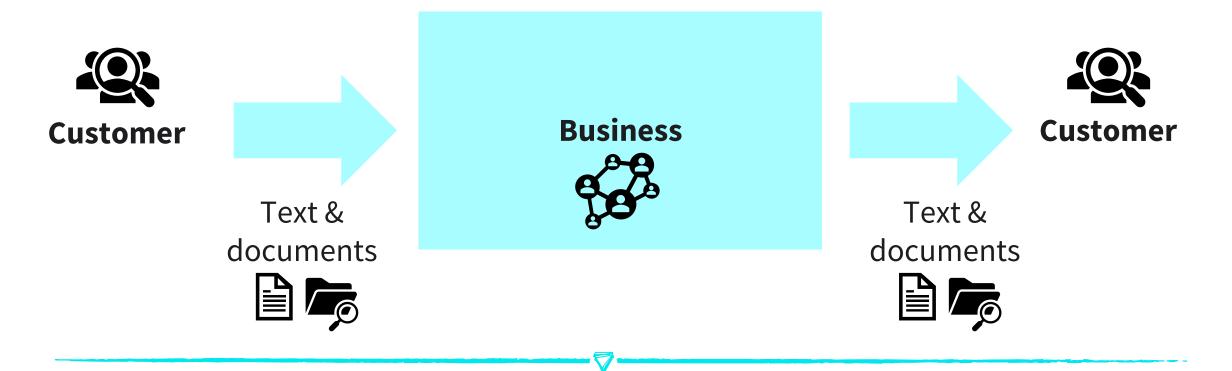


Current status

- Achieved a X% increase in sales via the website bot implementation
- **Encountered integration** challenges between LLM platform and front-end systems
- Faced data protection and privacy compliance hurdles
- Variety of options for exploit-style incremental improvement & radicality level for 'explore' remains a challenge

THERE IS A SIMPLE TEST FOR THE POSSIBLE LEVEL OF ASPIRATION TO AI AUTOMATION FOR A PART OF BUSINESS





If your part of the business can be described like the scheme above, there is a potential for E2E automation based on the recent AI technological development.

Is it worth it?

TEACH EACH TEAM TO PROMPT, AND THEY WOULD SAVE THEIR TIME





'GPT workshops': open call for enthusiast teams

- 'Tell us what are the most time-consuming tasks of your team'
- Yes / No / Maybe category for each task type
- Quick prototype with LLM & live advice how to improve it



Pitfalls

- Only half of the teams followed through with the continuous improvement
- Data & interface integration limits potential efficiency upside
- People are afraid of change & are unlikely to take an opportunity of bigger redesigns



Examples

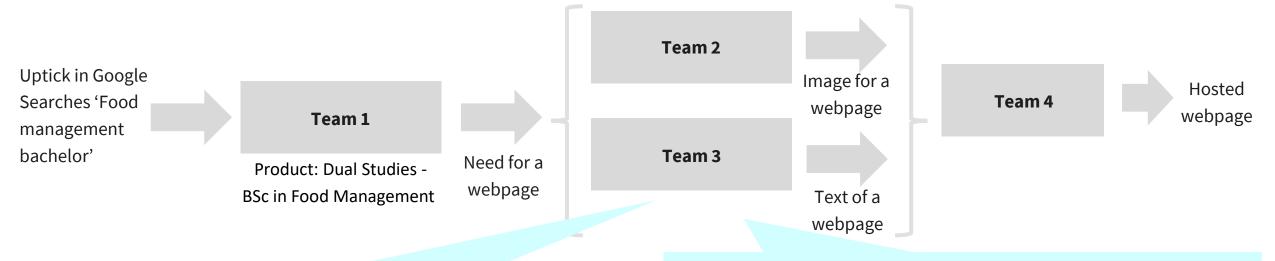
- Recruiting team: A%, job description generation
- Academic platform analytics: BB%, customer feedback; CC% teacher feedback
- Market research: D%, competitor & trend analytics; EE%, new product ideation
- Rector office: F%, partnership proposal generation



- The teams that have followed through (25 teams) have reported XX% of efficiency achieved with potential of 2*XX% in case of integrations
- Bigger projects identified (continued)

IN THE PROCESS OF THE WORKSHOPS, IT IS EASY TO SPOT PARTS OF BUSINESS FOR THE TARGETED E2E REDESIGN





Category	IU Magazine Article	Trans- lations	LP Texts	SEO LP Texts	FU Mailings	Trans- cription	Roll Outs
Efficiency achieved	%	%	%	%	%	%	%

The team have not believed that GPT-created text is liked by users

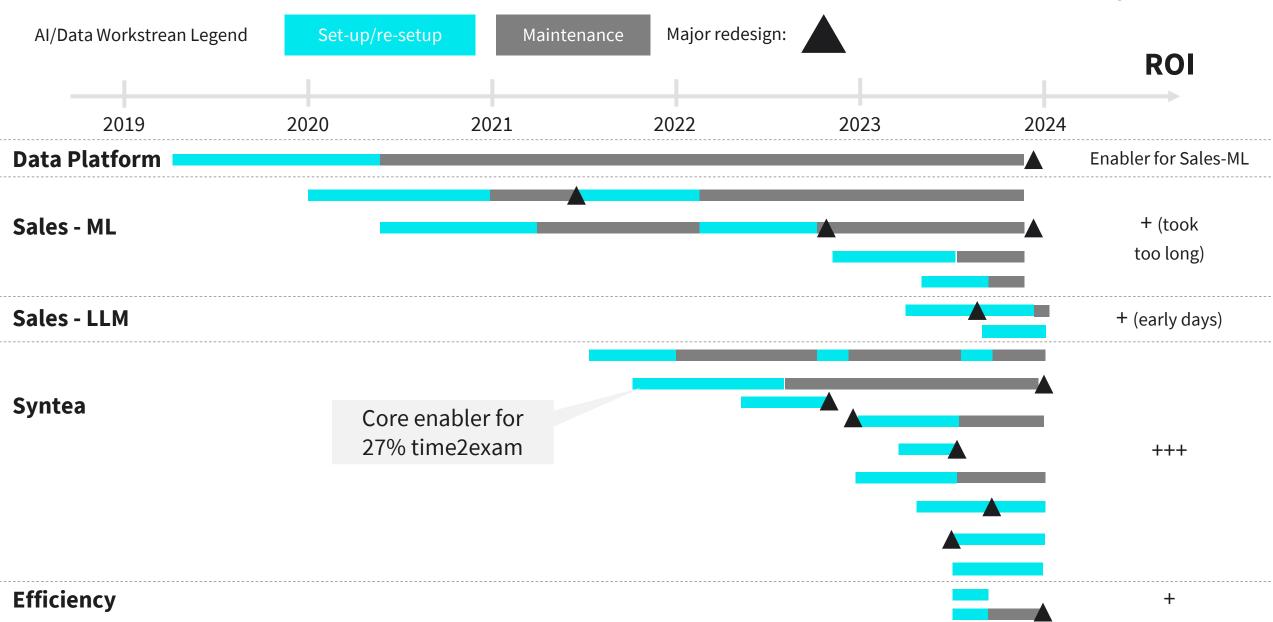
- Ran A/B tests across 4 different pages
- In one webpage, GPT was statistically significantly better that human option (in explaining who we are and what we do)
- In 3 tests, no significant difference from human option



The process is automatable end-to-end with the potential of revenue increase by XX-XXX %

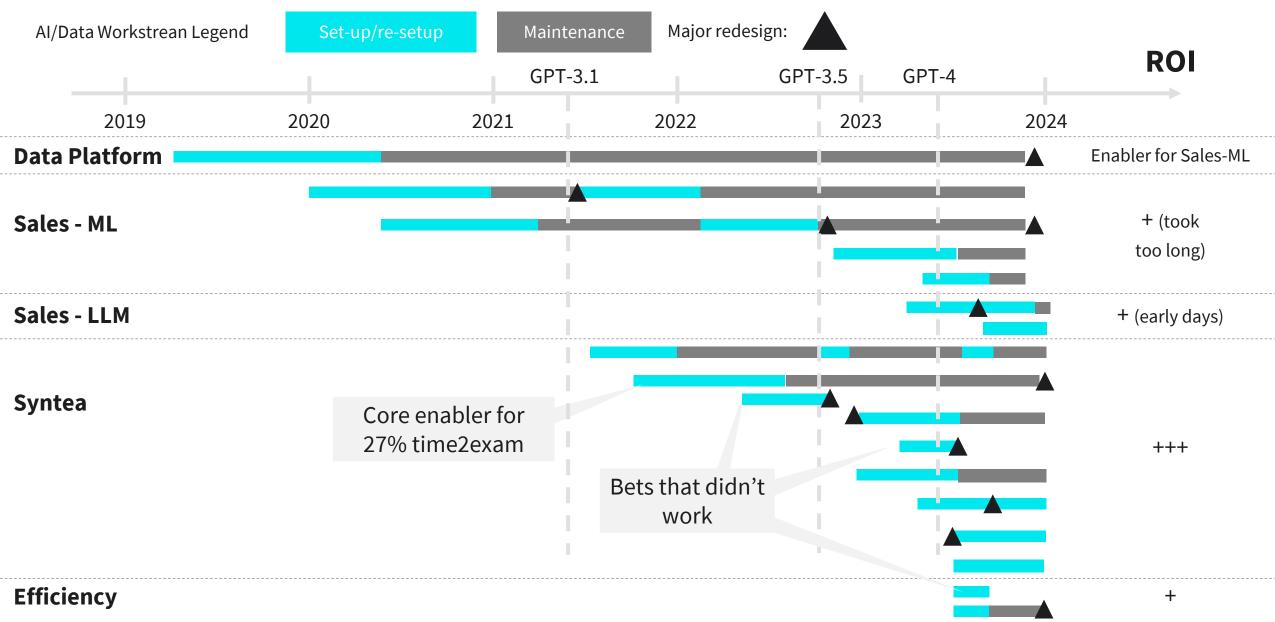
BE READY FOR LONG RESEARCH TIMES





BE READY FOR LONG RESEARCH TIMES & FREQUENT REVIEWS





BUILDING THE TEAM & TIME HORIZONS





DO'S

- Start small
- Scale investment with the signs of traction
- Do long-term bets: they help
 - hire the right people, future-proofing business against future tech shocks
 - excite existing teams with vision
- Be a disruptor, not disrupted
- Promote the change & role-model it!



DONT'S

- Do not short-staff software engineering enablement
- Do not put time pressure on research teams: plan your backlog ahead
- Do not leave the communication layer (aka Product Owners) of AI team short-staffed



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THANK YOU