PV212 – SEMINAR TOPIC

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Intro

- Thesis topic
  - Last week: DND

- More thought
  - Too many systems
  - Too much time in non-AI development
  - Commercial use

- AI Agents - why instead of what

Inquiry data extraction

- Why?
  - Manual process
  - 1000x / month
  - Can be automated

- How?
  - LLMs for data extraction
  - Langchain

- What?
  - Business inquiry extraction via LLM

Current state

- Solution already in development

- Prompt engineering (PE)

- Can be done better

Ideas

- Retrieval-Augmented Generation (RAG)
  - Products tend to get misclassified
  - Goal: improve general accuracy
  - Evaluation dataset
  - Prompt augmentation with correct examples
  - Examples selected based on similarity with inquiry

- Knowledge source scrapping
  - Product parameters incomplete in inquiry
  - Goal: improve detection of parameters
  - Build knowledge source (KS)
    - Table with products and parameters
    - Scrap customer website
  - Let LLM (Prod.) inquiry -> KS

Ideas cont.

- Multiple ways to success

- Do everything ?

- Let LLM to decide ?

UNCLE SAM WANT
YOUR OPINIONS