An Al for Computing Carbon Footprints



What's this all about?



VS.





VS.





VS.





What's this all about? (example)



VS.

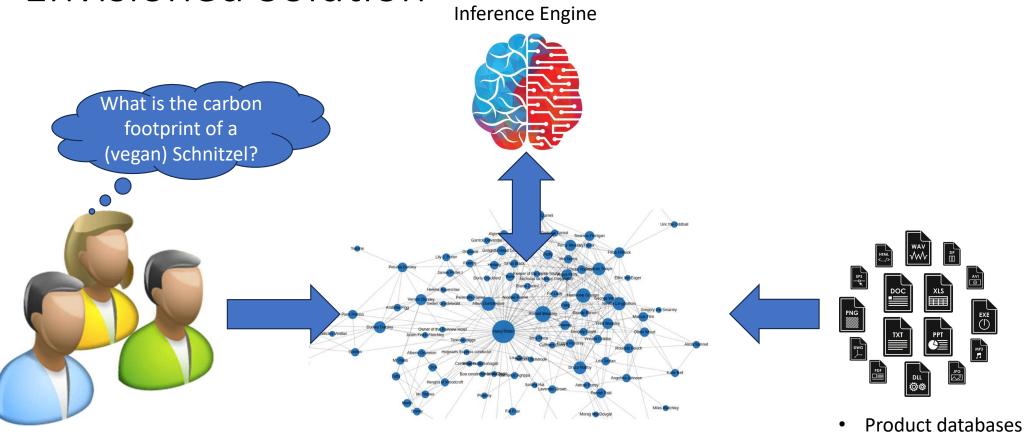


- paper (wood)
- bleach
- transportation
- ...

- electricity (source?)
- plastic + metal parts
- electronic parts
- ...

Envisioned Solution

Users



Knowledge Graph

Carbon footprint lists

Your Tasks & Challenges

- Overall goal: Develop an AI that helps estimating carbon footprints
- Select a Use Case
- Collect suitable data sources
- Combine them in a knowledge graph
- Add inference on top
- Develop UI/Query Interface
- Run Evaluation



Us...



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You...

...have attended a few AI related lectures, e.g.,

...Knowledge Graphs (or acquired via self study)

...Data Mining, Machine Learning,

Decision Support (would be a plus)

...are knowledgeable in programming

...want to work on a project with social impact!

