

One-Click-to-Publish

Automating Knowledge Curation with GenAI

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Samantha
Tsang

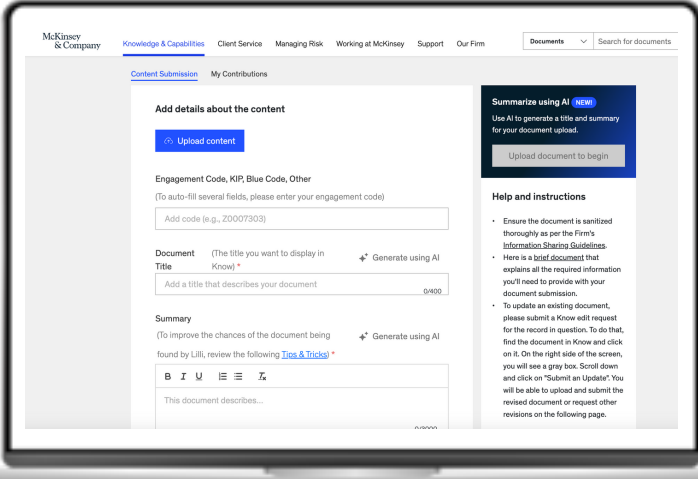
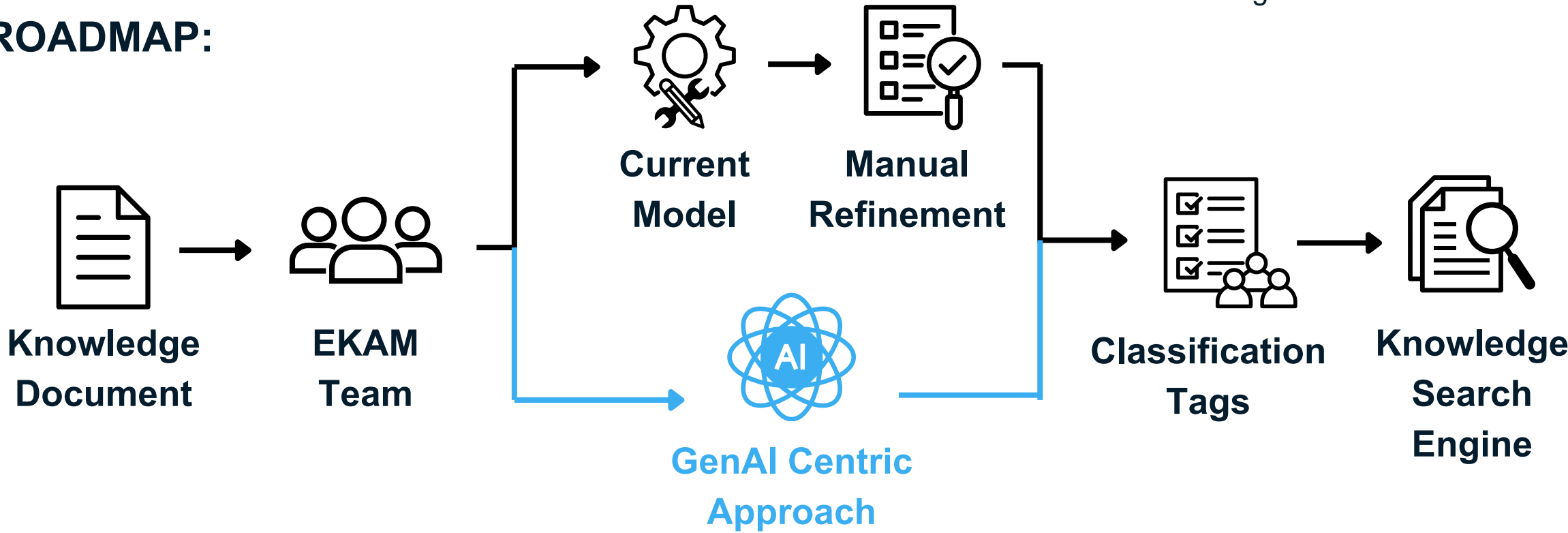


Vojta
Machytka

Problem Statement

CONTEXT: McKinsey faces a challenge of manually curating and tagging documents in its internal knowledge repository, with the current model operating at ~50% accuracy. A **GenAI-centric** classification process can **streamline the tagging process**, **enhance searchability**, and **reduce the manual workload**.

ROADMAP:

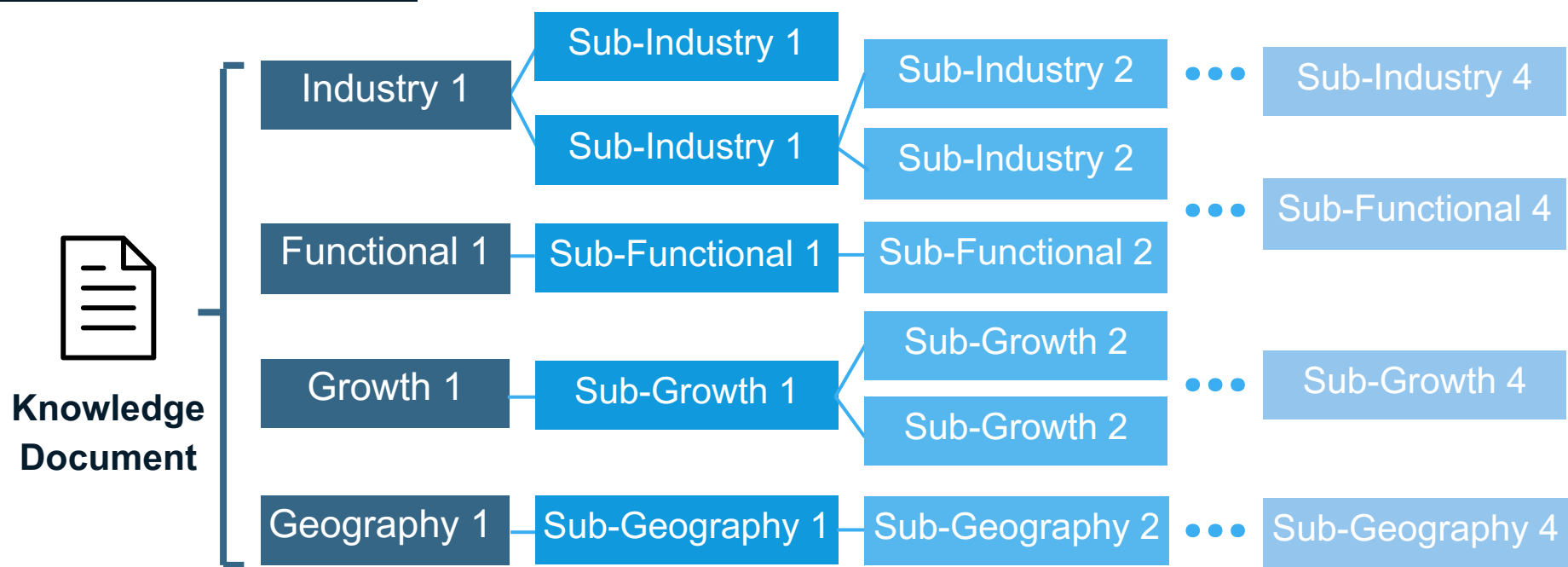


PD Submission Page for new knowledge documents

Objective



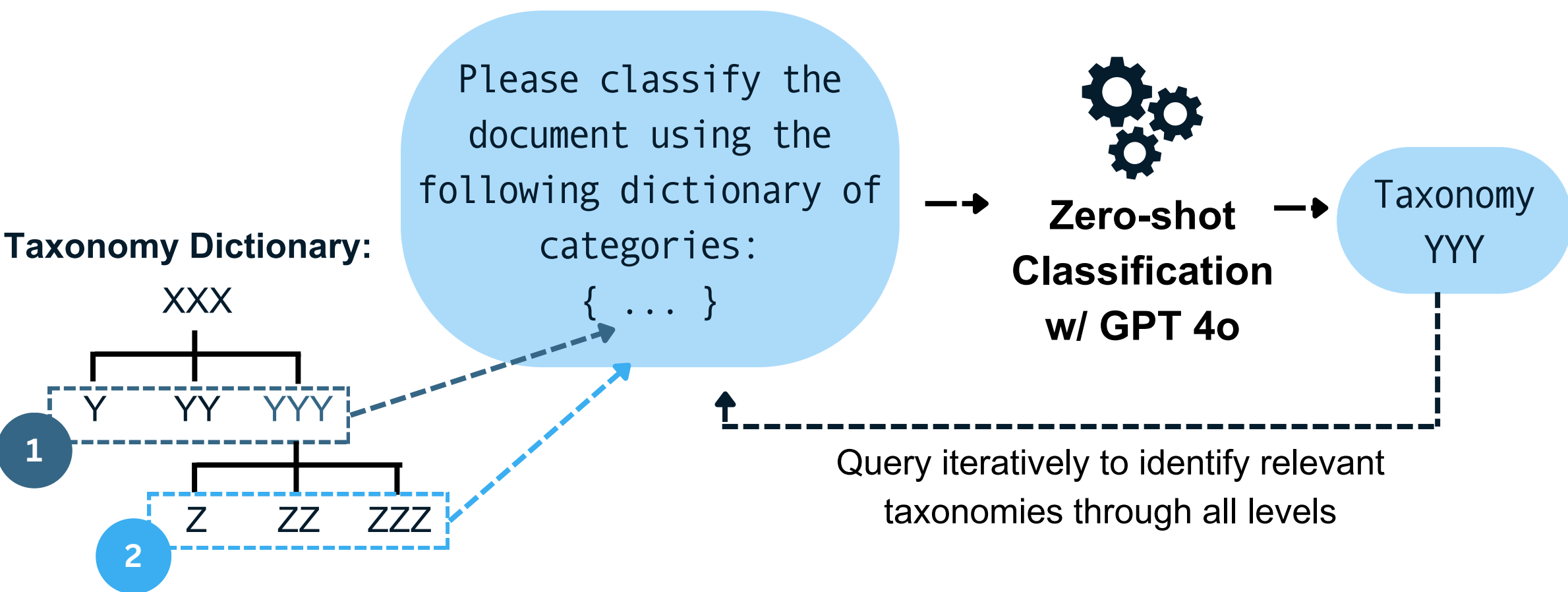
Dataset



Methodology

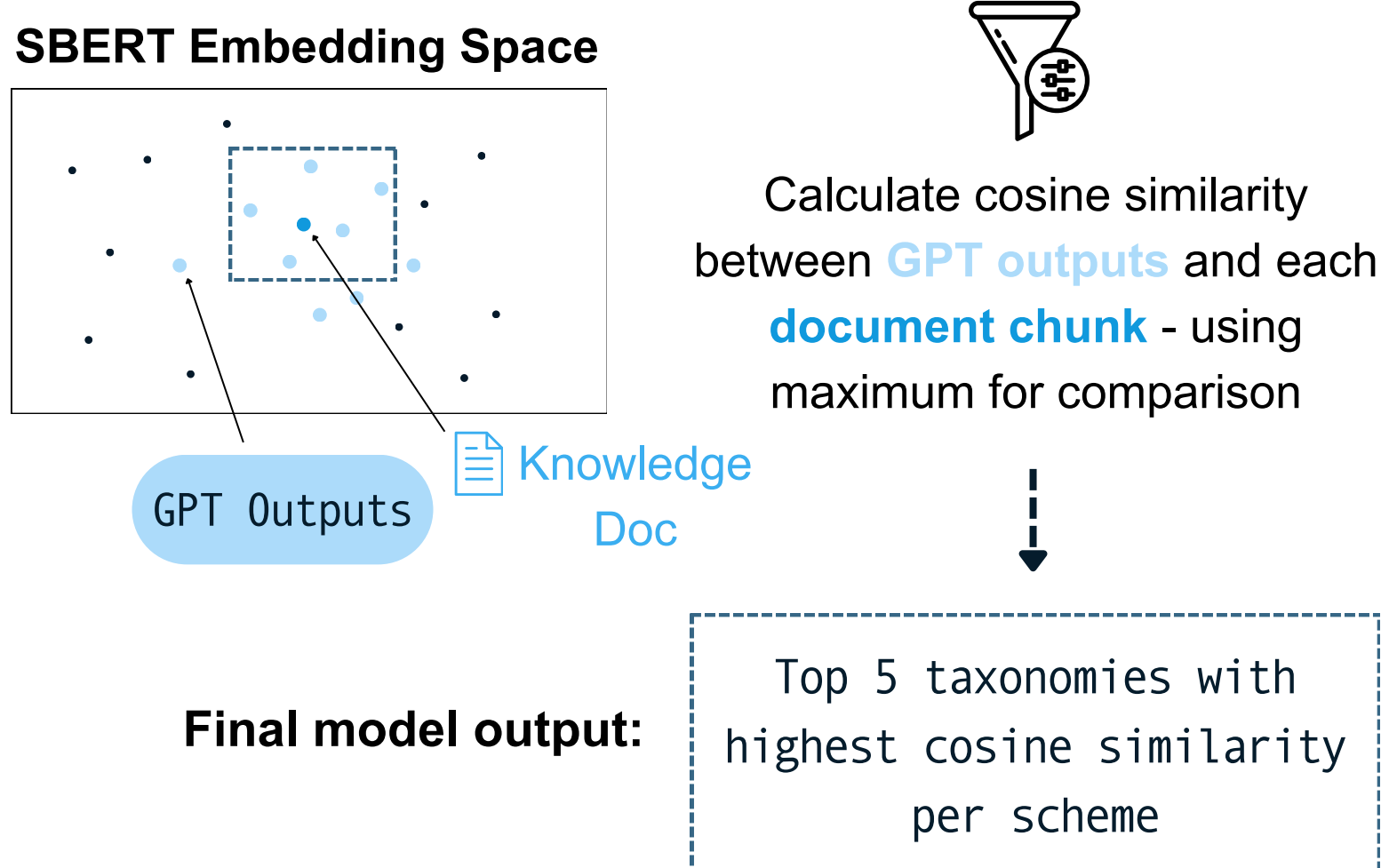
HIERARCHICAL CLASSIFICATION

Learning from context: We utilize **zero-shot capabilities** of GPT to classify documents in lieu of ground truth data, tagging documents to taxonomies **as granular as possible**



RELEVANCE FILTERING

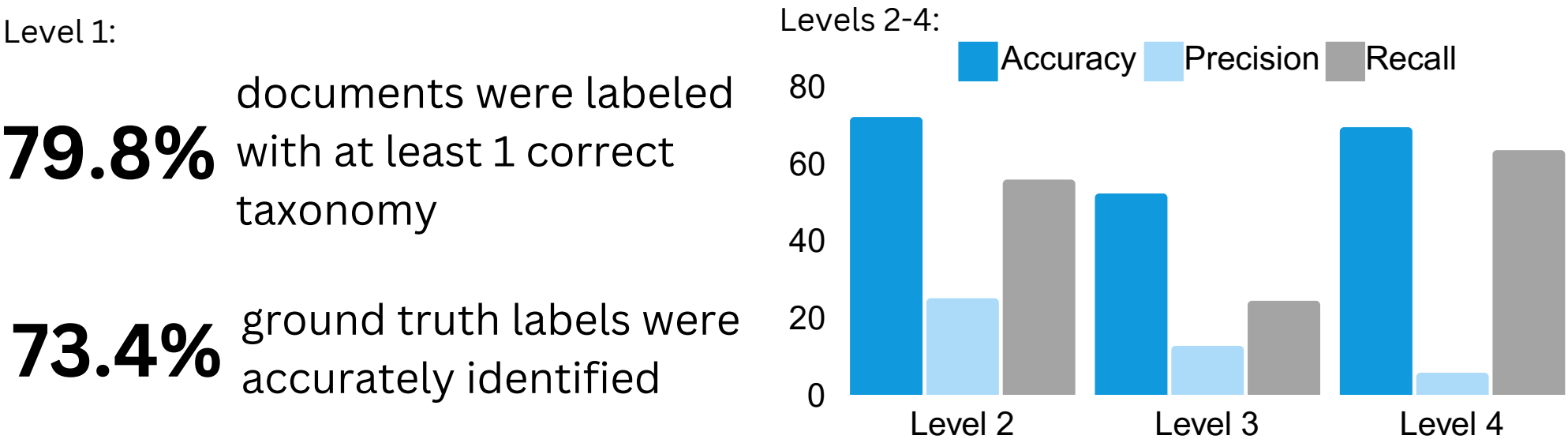
More is not always better: We filter GPT's output using **cosine similarity**, providing only the **most relevant** results for users



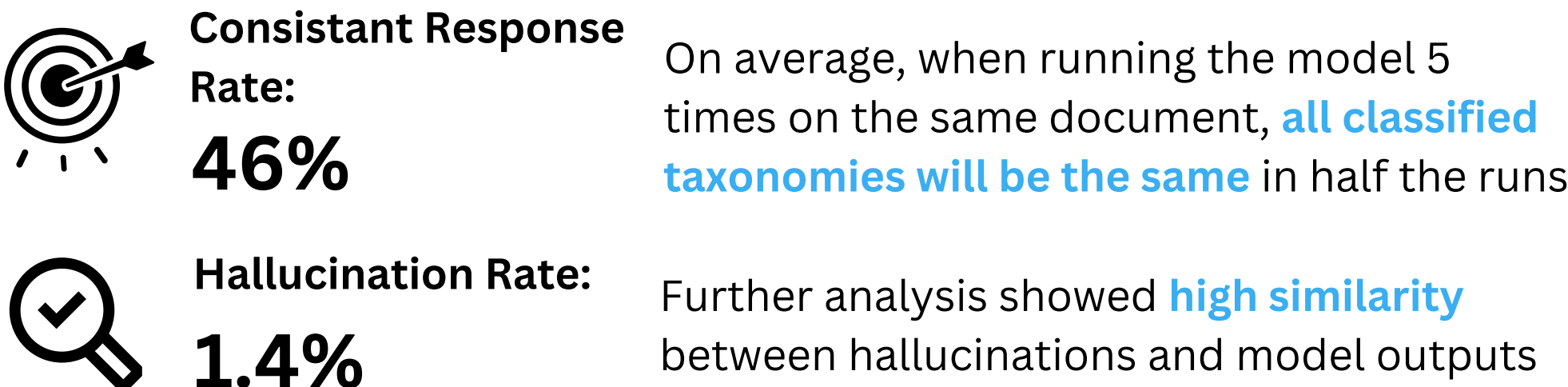
Results

(Metrics obtained from sample of 150 manually labeled documents)

MODEL PERFORMANCE



RESULT CONSISTENCY



TIME AND COST SCALABILITY



Business Impact

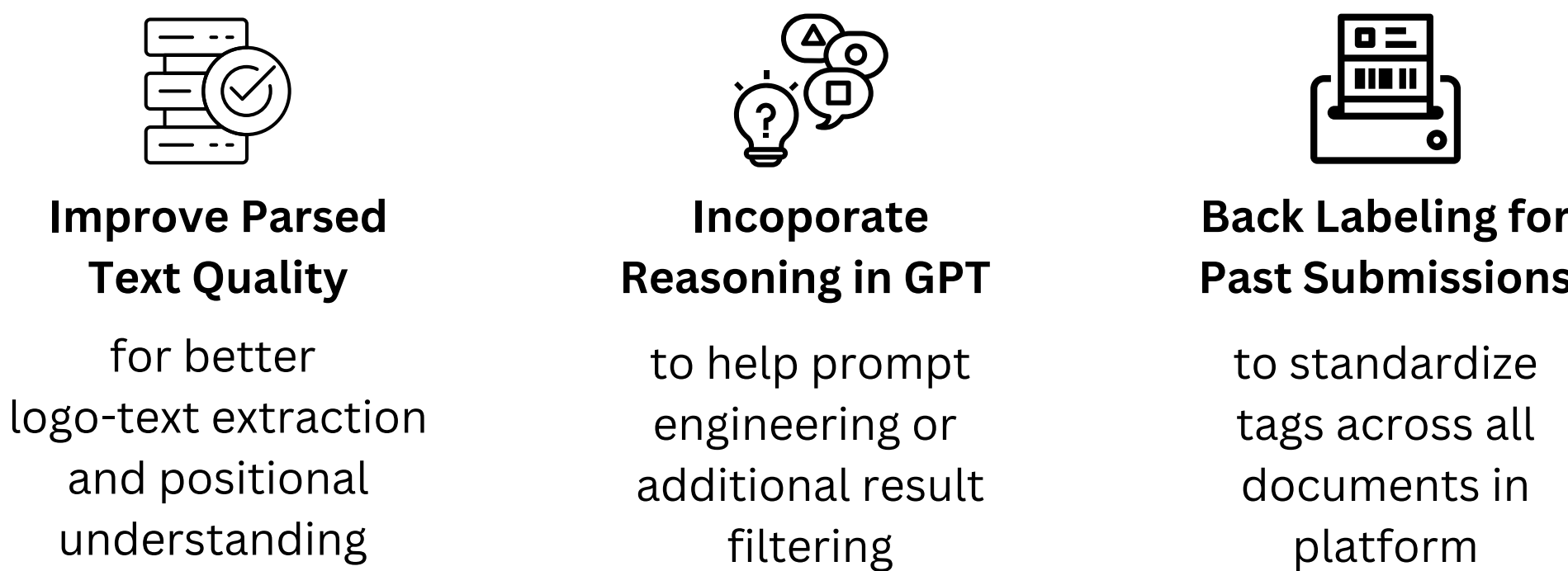
MODEL PRODUCTIONALIZED FIRM-WIDE

Implementation in **knowledge search engine** for **firm-wide** usage for: **180K** document searches annually, Estimated to label: **26K** documents annually

EXPANDING MODEL USABILITY TO LILLI

Our model's output will be used as **source of ground truth** for training new models to classify and enhance metadata of other documents in Lilli, **boosting search algorithm** for: **200K** documents, **140K** user queries weekly

Future Work



The new model for the auto classifier holds **great promise** for the EKAM team and for **McKinsey's search results as a whole** [...] it would spare the EKAM team **much time and effort** that currently goes into researching which terms to add for each document.

- Kimberly Perman
(Senior Manager of Knowledge Operations EKAM)

[[placeholder for testimonial 2]]