CBRE

Challenge Statement – HackUTD 2025

Overview

CBRE is the world's largest commercial real estate and investment firm, managing data for millions of properties, assets, and transactions globally. Every day, property managers, investors, and clients rely on timely insights to make critical decisions, from buying and selling properties to forecasting maintenance costs and sustainability outcomes.

However, much of that information lives inside unstructured data like PDFs, reports, and contracts. Finding the right information quickly can make or break a deal, a project, or a sustainability target.

Challenge Statement

How might we build an AI-powered assistant that transforms how people access and trust information in real estate?

Your task is to create a smart AI system that helps CBRE professionals automatically find, summarize, or predict key insights from large volumes of property, market, or operational data, making decision-making faster, easier, and more reliable.

You can approach the challenge in any of these ways or combine your own ideas:

- **Document Intelligence:** Build a system that scans reports, contracts, or sustainability plans and automatically extracts useful metrics or clauses.
- **Smart Search:** Create a chatbot or interactive interface where users can query questions like "Which properties in Dallas are showing high energy costs?" or "Which leases expire next quarter?"
- **Predictive Analytics:** Train a model that identifies hidden trends, such as predicting which assets may face value drops based on operational inefficiency or market indicators.
- **Insight Summarizer:** Build a dashboard that consolidates insights from different datasets and generates readable summaries for decision-makers.

Expectations

- Focus on real-world usefulness. Imagine your tool being used by a CBRE analyst or manager on a busy workday.
- Use AI, ML, NLP, or LLM-based methods to make data more searchable, insightful, or predictive.
- Keep outputs explainable so users understand why an insight or prediction is made.
- If real data is not available, simulated or public datasets are completely fine for demonstration.

Inspiration

CBRE's mission is to turn complex real estate data into meaningful intelligence for our clients and teams. With millions of records across sustainability metrics, financial data, and property performance, the challenge is not collecting data but making it truly useful.

We invite you to reimagine how AI can bridge the gap between raw information and confident action. Your idea could influence how the world's leading real estate firm and its clients make smarter, faster, and more sustainable decisions.

Questions?

Connect with CBRE engineers at our booth or reach out to us on Discord for any clarifications or support!