EigenTechnologies

RISK-WEIGHTED ASSETS

Analyzing diverse valuation reports for a major UK-based retail and commercial bank

Helped the bank quickly compile the data required to obtain risk-weighted capital relief

Automated the extraction of data points from valuation reports saved in various formats and file types

Delivered data seamlessly to other systems and users within the bank
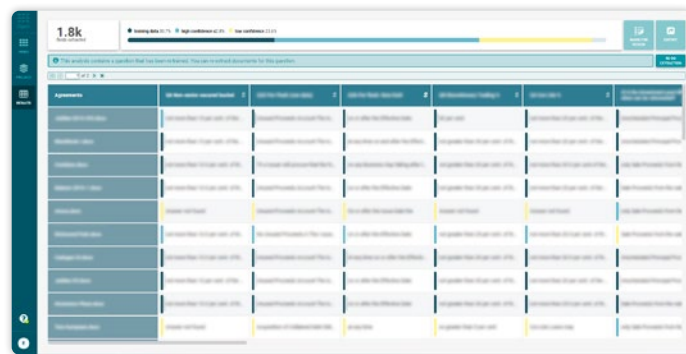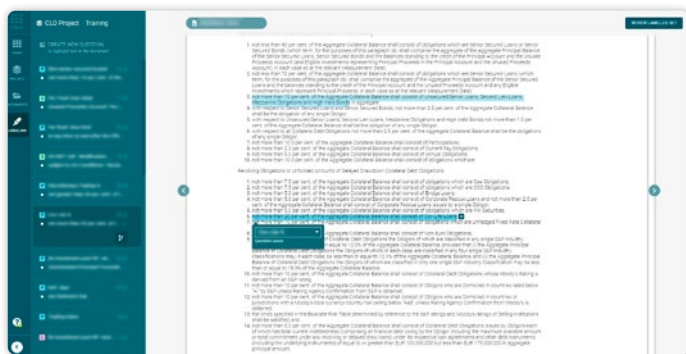
THE CHALLENGE

The bank needed to develop the capability to analyze the composition of real estate collateral supporting its SME lending portfolio. Although collateral went through a robust assessment as part of the lending approval process, very few details were captured in a structured format.

For each real estate asset pledged as collateral, the bank typically had a valuation report provided by a third-party surveyor. These valuation reports varied significantly in terms of format, but largely contained the key information that the bank needed to analyze.

By extracting the information within the valuation reports and organizing it in a structured format, the bank could analyze the data in order to obtain risk-weighted asset (RWA) capital relief.

SOLUTION

The bank was able to automate the extraction of data including the type of property, location, rental income, property status, and multiple variants of market value under different assumptions. The bank is now able to achieve better valuation of the capital they have tied to their loans, driving RWA relief.

TRAINING FLOW

Users label the fields in the prospectus that matter most to them. Eigen uses this data to build a machine learning model.

RESULTS TABLE

The model is then used to analyze any new prospectus and pull out the right data points. Data can be exported, or sent to other platforms using APIs.

5-10
times faster than manual processing alone

1
consolidated database of information related to their real estate

IMPACT

Eigen was chosen because of its ability to process a document type that is highly variable and its ability to extract custom data points as defined by the bank. Eigen was also able to seamlessly integrate with delivery partners and other solutions within the bank.

ABOUT EIGEN TECHNOLOGIES

Eigen is a natural language processing (NLP) company whose mission is to supercharge the way organizations operate by unlocking the value of their qualitative data. Our simple, flexible platform enables users to accurately extract information from diverse types of documents at scale. Our clients then use this data to drive down costs, find opportunities, calculate risks, and meet regulatory requirements.

Based in London and New York, our clients include Goldman Sachs, Allen & Overy, Hiscox, and ING. Our investors include Goldman Sachs, Temasek, Lakestar, Dawn Capital, and ING Ventures.

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