



USE CASE - STRUCTURED FEATURE EXTRACTION FROM REAL ESTATE LISTINGS

CONTEXT

A company specialized in Real Estate Appraisals wanted to automate the extraction of structured features (e.g., number of rooms, floors, property type) from a large volume of unstructured text listings. The objective of the project was to develop a custom Named Entity Recognition (NER) model to automate the extraction of 10+ features from real estate listings, plus multiple classification models to further describe the data.

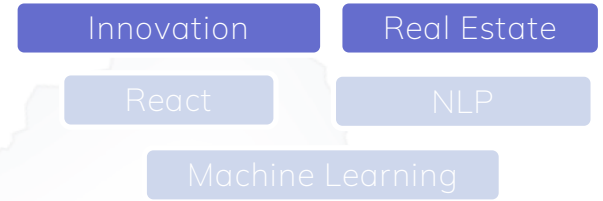
SOLUTION

Custom-trained models accessible from a clean user interface, supporting the automatic extraction of structured features and hosting a suite of additional functionality:

- 10+ named entities and 2 classes
- Auto-generation of structured tables from unstructured texts
- Clustering and visualization to identify similar listings
- Recommender system to find similar listings

BUSINESS IMPACT

- The extracted data helps run pricing models
- The company's activity is no longer reliant on structured data obtained from brokers, and can scale internationally



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