

Scraping 1.3 million home prices and getting away with it

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Who?

- Emil Karlsson, Pierre Le Fevre
 - KTH, MSc distributed systems

- ID2223 Scalable ML

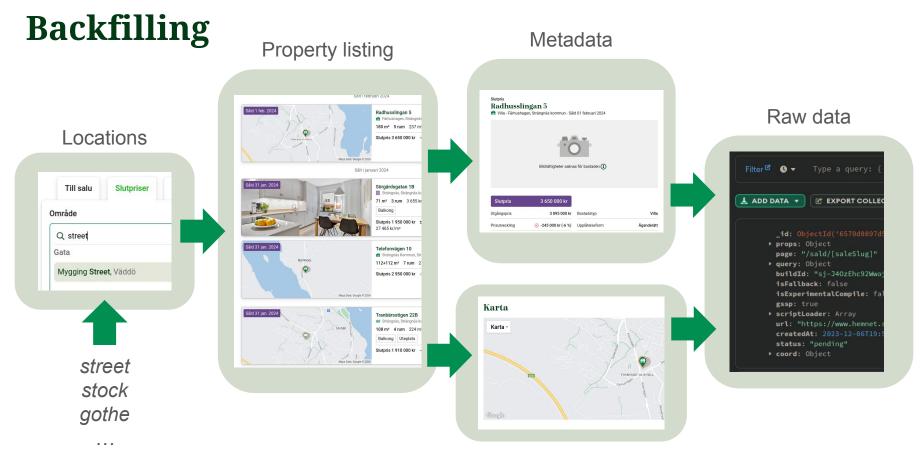
Why?

- Fun technical challenge
- Easy to compare to existing predictors



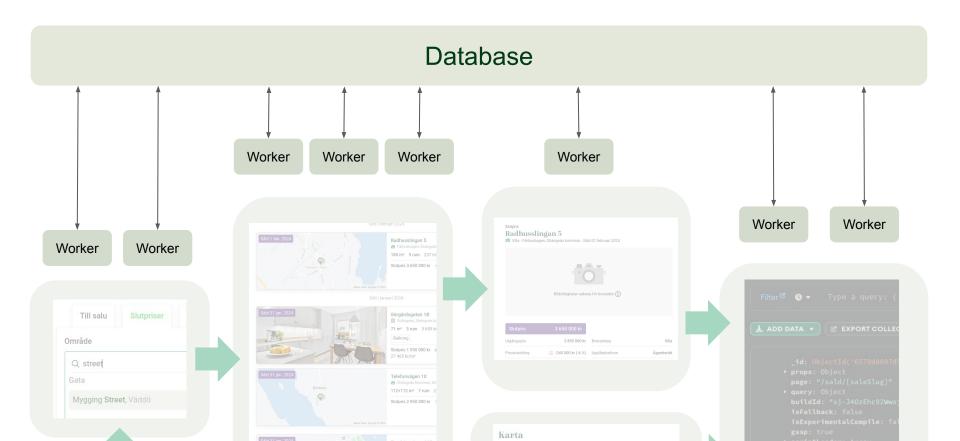






Coordinates

Parallelization



Model training

Setups

without-asking-price

Features: cpi, fee, age ...

with-asking-price

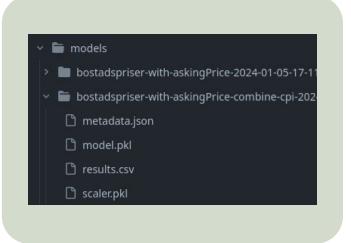
Features: askingPrice, fee ...

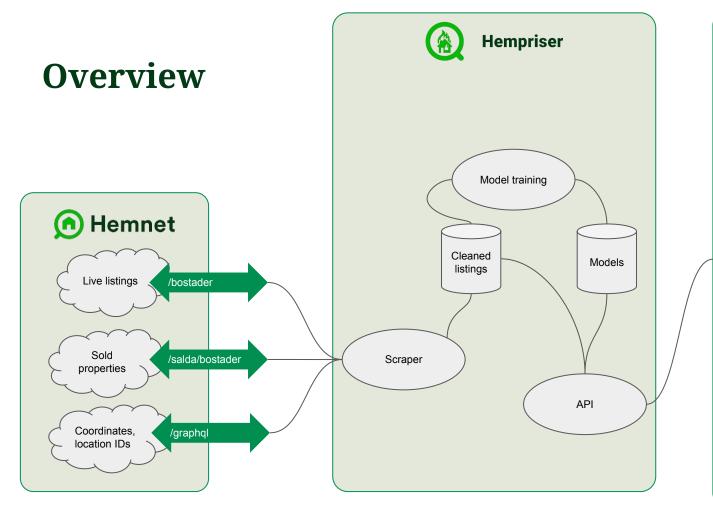
Regressors

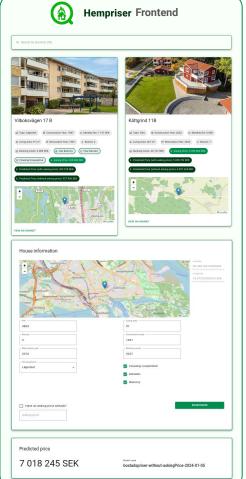
Linear
Gradient Boosting
n_estimators, max_depth ...

scaling transforming HPT & training

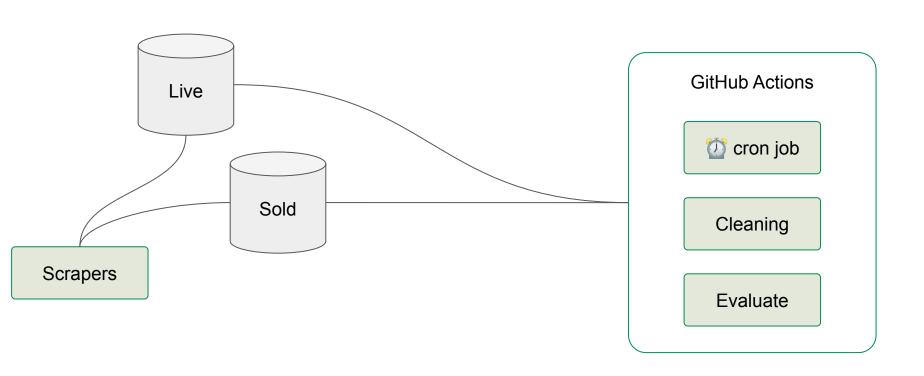








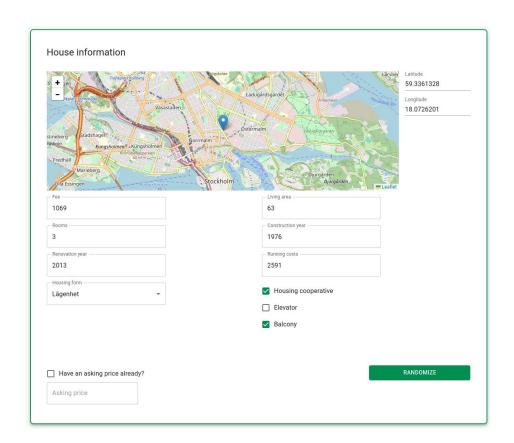
MLOps pipeline



Inference

Different models based on features

Small model - fast response



Live demo



Nice price



Open source

Check it out for yourself!

Code (and dataset $\bullet \bullet$) \rightarrow



github.com/pierrelefevre/hempriser



Thanks!

hempriser.se