



An AI-based house price predictor

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Data Extraction



30% time
2k+ houses scrapped

Data Transformation



20% time

Data Analysis



20% time

Predictive model



30% time

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Scrapping

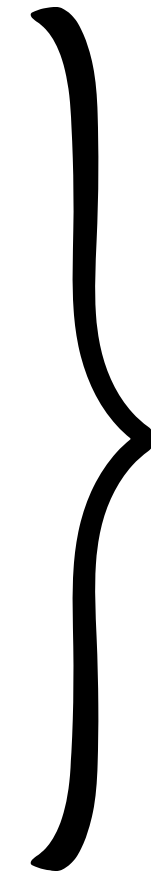
API

Web Scrapping

BeautifulSoup + Selenium +
undetected chrome driver

+ Dinamic IP

 ScrapingBee



Piso en calle Madrazo, Sant Gervasi - Galvany, Barcelona

750.000 € ~~780.000 €~~ ↓ 4% Garaje incluido

3 hab. 130 m² Planta 1ª exterior con ascensor

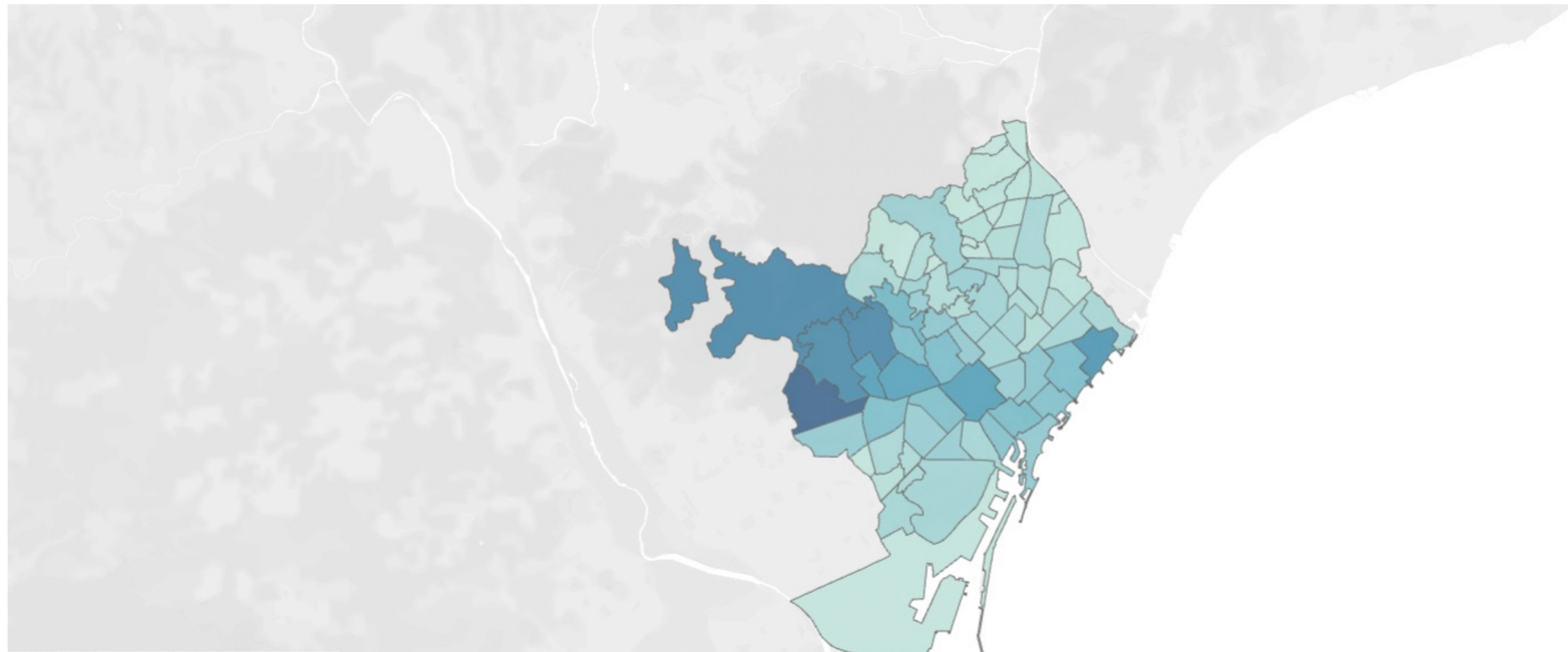
Elegante y luminoso piso reformado a estrenar con terraza y parking en Galvany. Preciosa vivienda recién reformada a estrenar, con un gusto exquisito y potenciando los espacios diáfanos llenos de luz natural. Se...

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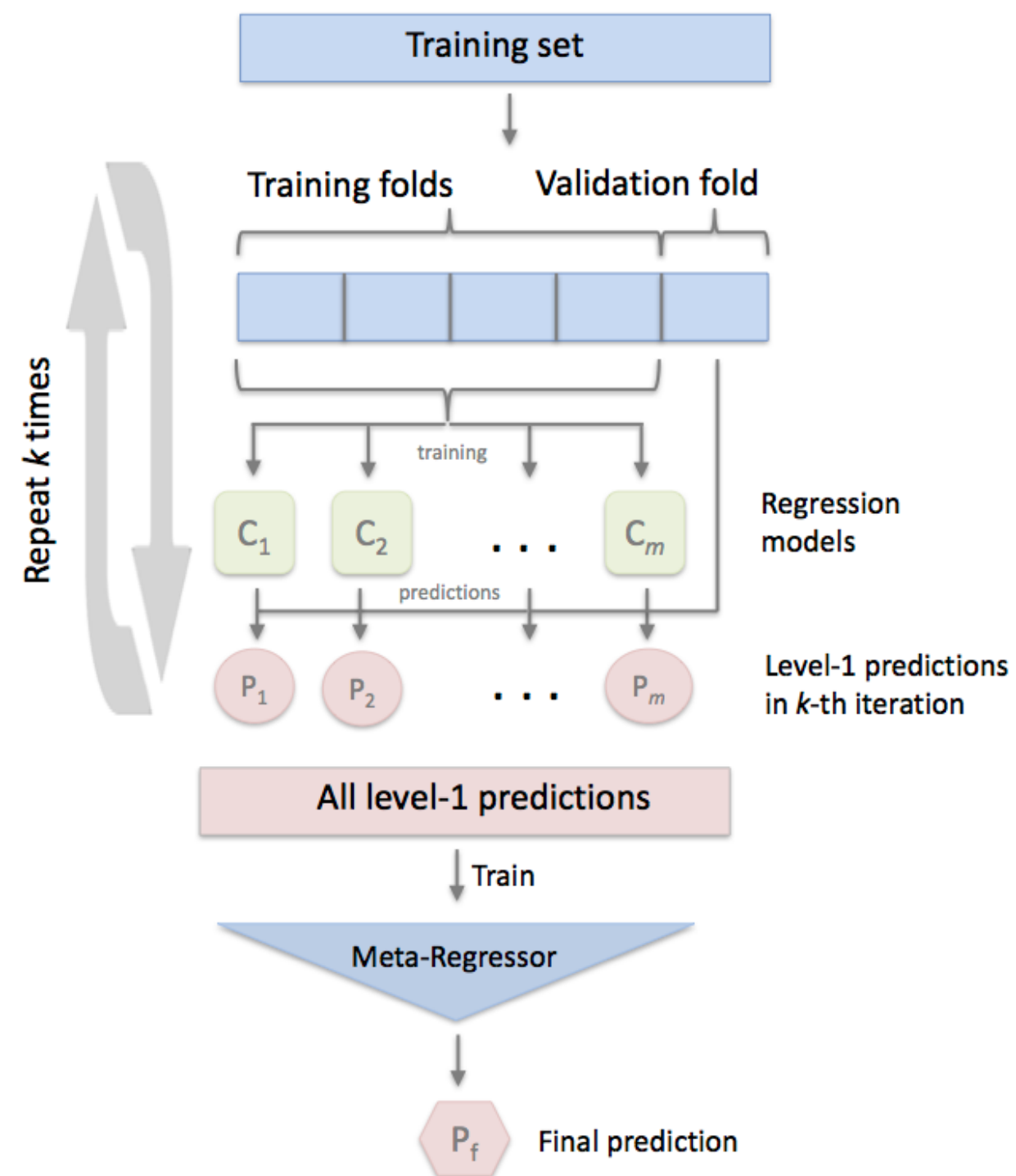
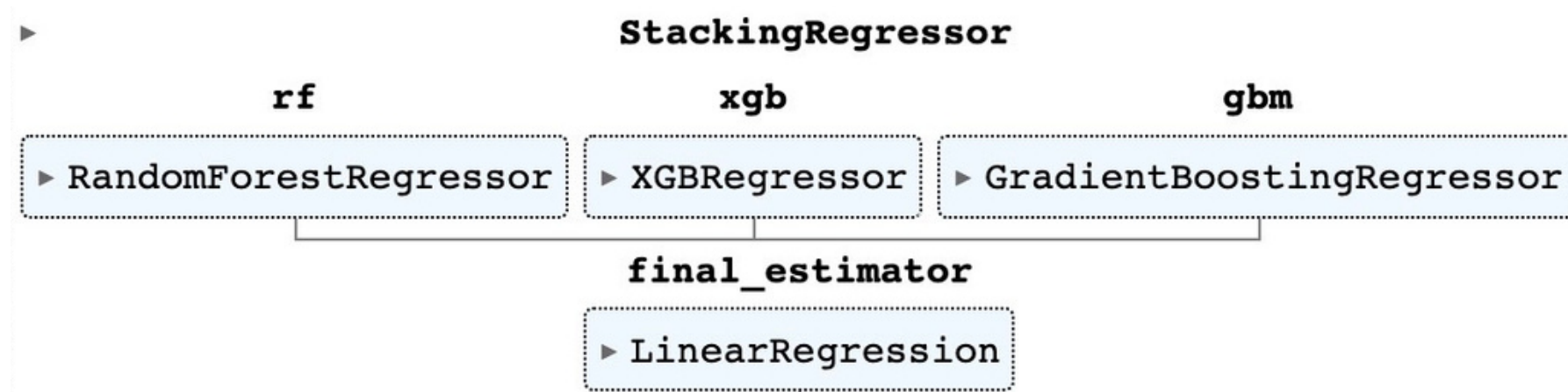
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Visualizations



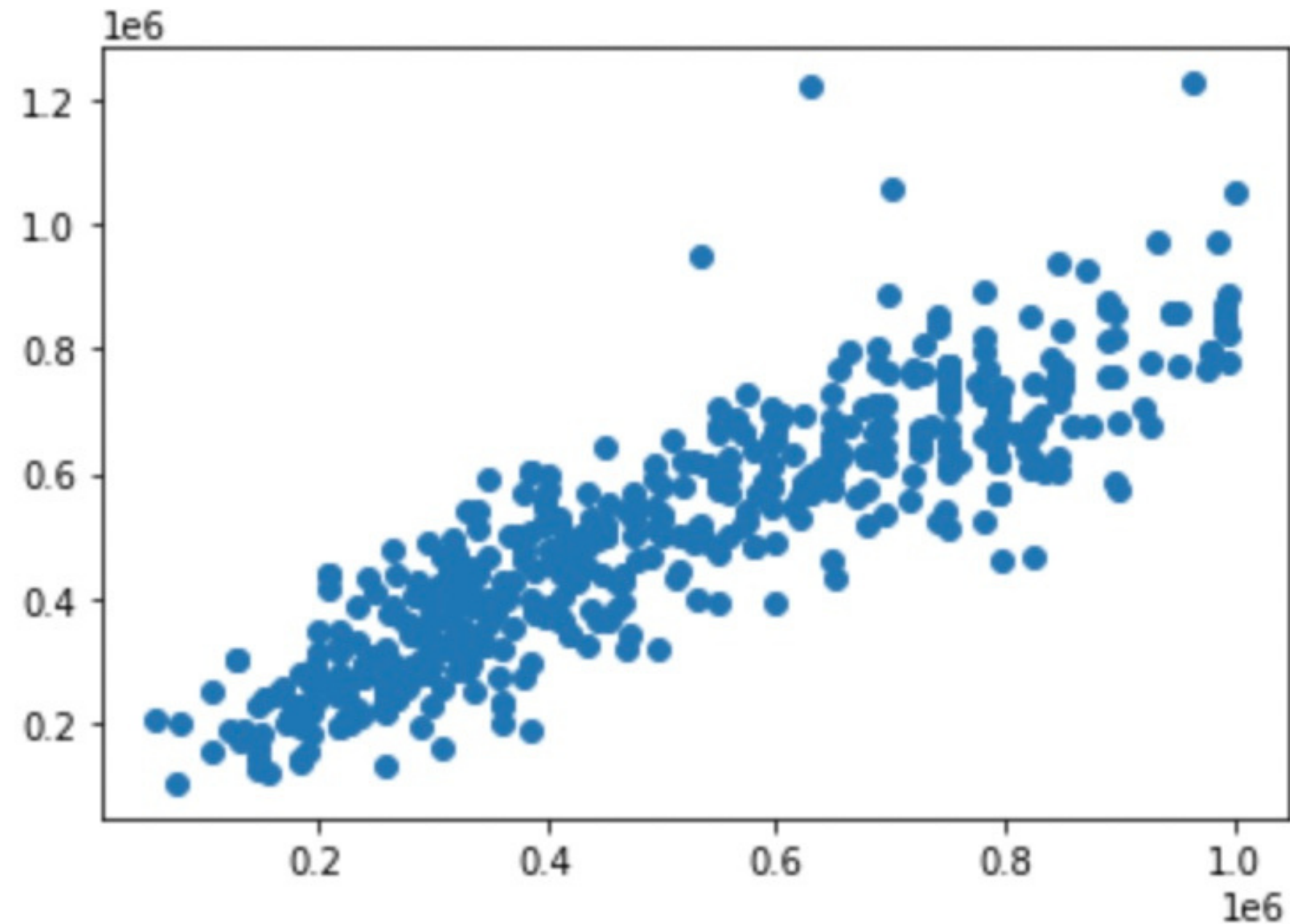
Predictive model



Predictive model

Model assumptions and features:

1. If parking not in pane: "no parking"
2. kept only flat types
3. removed "outliers" ($>1\text{M EUR}$)
4. train/test: 0.8



Mean Absolute Error: 78039.1
r2_score 0.76

Deployment

Predictive Model

Enter the required information and click 'Predict' to see the results.

number of rooms

3
1 10

square meters

- +

floor

- +

lift

▼

Future work

Improve model accuracy

- Scrap Habitaclia
- Automated real-time scrapping
- Get more variables: bathrooms, flat conditions (new, refurbished, renewed)...
- Train model: onhotencoder, normalization, play around with params.

Improve service

- Include in-detail dashboards about flat search, surroundings, etc.
- Create an app
- Include other features
- Understand