

Clappform®

Clappform

Mozilla festival 2022



Background: Clappform

Key facts

- Software company
- Specialist in AI, systems integration and large data sets.
- Active in the built environment (SMART economy).
- Founded in 2019
- ISO27001 certified
- Based in the Netherlands, in the Amsterdam Region
- Part of the NL AI Coalition, TekDelta, VU Community
- Co-owner of Realstats B.V.



Introduction: Use case

Challenge

Social Living Corporation

- Rent is fixed and **regulated**
- Due to recent developments, **gas prices** have risen enormously
- Nevertheless, housing corporations can help residents by offering **rent reductions**.

- One of the goals of the corporations is to make the houses more sustainable (in 2030 everything must have energy label B or better).

Housing quote: % of the income that is related to **living** (such as rent, water and light costs, etc.)

- It is not desirable to spend more than **33% of income on housing costs**.

Introduction: Use case

Challenge

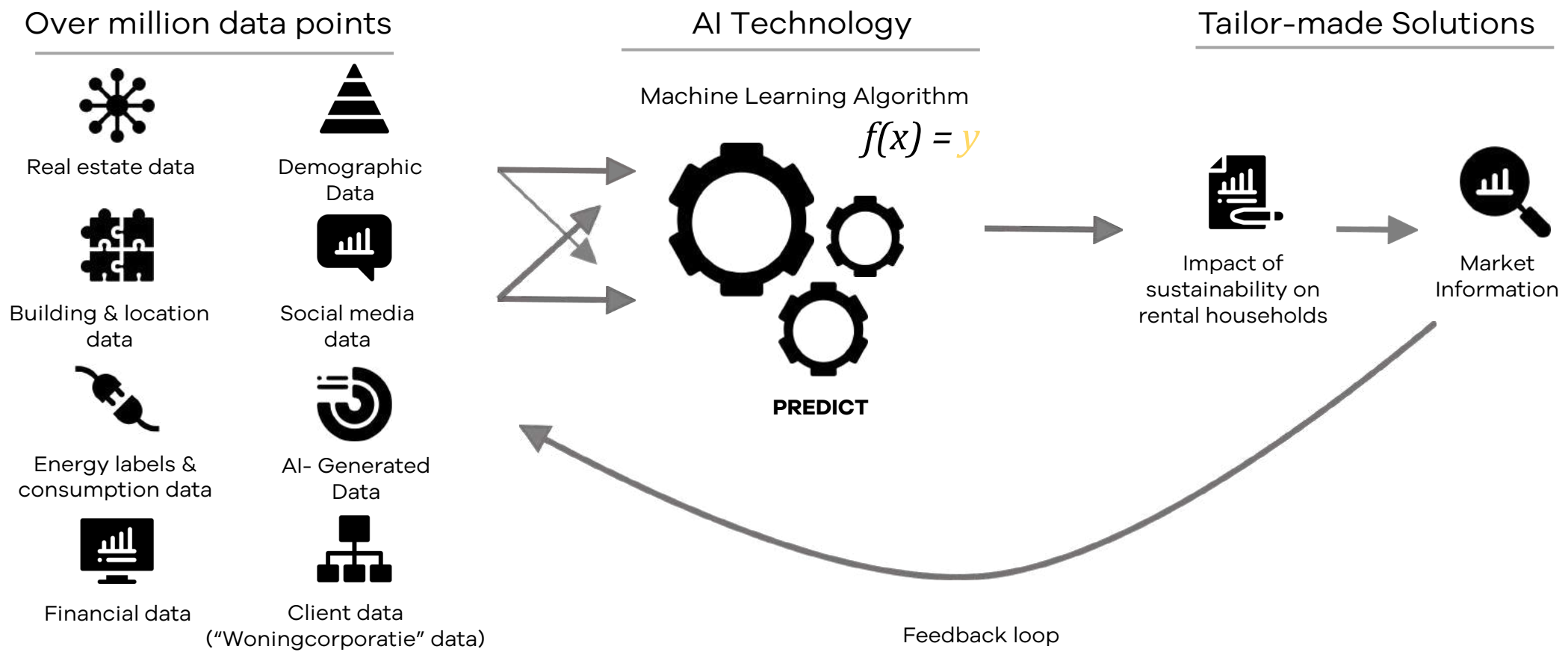
Challenge: Can we predict which households will have the highest costs and offer them a rent reduction?

Data restrictions:

- Energy Consumption data is only available at an aggregated level
- Only the original income is known:
 - Income overtime is not available and neither are own resources/funds (regulations/GDPR).

Use case: Impact of data & Ai

Sustainability impact



Data commons

Challenge

Our challenge:

How can we share sensitive data in a fair and reliable way to feed models for “good”?

One of our current solution (we are exploring)

We use synthetic data to

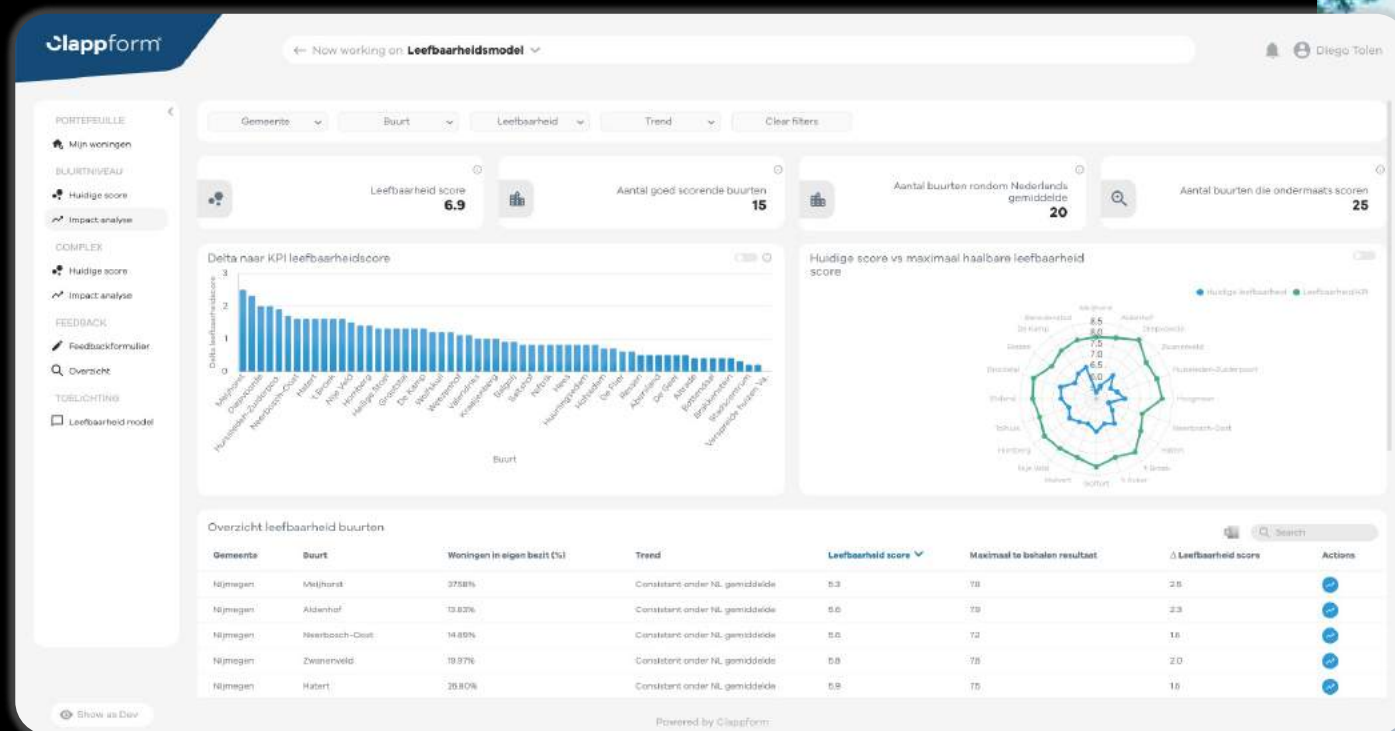
- 1) broaden imbalanced dataset,
and
- 2) to process privacy-sensitive data.

Data monitoring and simulations

AI cloud analytics

Sustainability Monitor

Gain insights into the sustainability of certain neighbourhoods and houses and receive advice on which houses should be invested.



CONTACT

Tom Griffioen

Head of Business Development

t.griffioen@clappform.com

+31(0) 6 53 75 60 18



Diego Tolen

Head of (AI) Cloud Solutions

d.tolen@clappform.com

+31(0) 6 83 60 33 06

