

# HOW CAN **AI** TRANSFORM REAL ESTATE INVESTMENTS?



**DataBrut**



**WHAT IS ARTIFICIAL INTELLIGENCE?**



**WHAT IS ~~ARTIFICIAL~~ INTELLIGENCE?**



**WHAT IS ARTIFICIAL INTELLIGENCE?**

A decorative background element on the left side of the slide, consisting of a grid of light gray hexagons that fades out towards the right.

**DATA SCIENCE | AI | MACHINE LEARNING**



# **MACHINE LEARNING**

**SUPERVIZED | UNSUPERVIZED**



# THE **AI** FRAMEWORK

|                    |                    |
|--------------------|--------------------|
| <b>GOAL</b>        | <b>DATA</b>        |
| <b>DATA</b>        | <b>GOAL</b>        |
| <b>MODELS</b>      | <b>MODELS</b>      |
| <b>INTEGRATION</b> | <b>INTEGRATION</b> |
| <b>MONITORING</b>  | <b>MONITORING</b>  |



# THE GOAL

**AI** IN PROPERTY VALUATION



# THE **AI** FRAMEWORK

|                    |                           |
|--------------------|---------------------------|
| <b>GOAL</b>        | <b>PROPERTY VALUATION</b> |
| <b>DATA</b>        | ???                       |
| <b>MODELS</b>      | ???                       |
| <b>INTEGRATION</b> | ???                       |
| <b>MONITORING</b>  | ???                       |



# THE DATA

**STRUCTURED** | **UNSTRUCTURED**

**CADASTRE** | **LISTINGS** | **CONTRACTS**  
**GEOSPATIAL** | **POIs** | **SATELITE IMAGES**  
| **PRICE TRENDS**

# THE **AI** FRAMEWORK

|                    |                           |
|--------------------|---------------------------|
| <b>GOAL</b>        | <b>PROPERTY VALUATION</b> |
| <b>DATA</b>        | <b>CADASTRE, LISTINGS</b> |
| <b>MODELS</b>      | <b>???</b>                |
| <b>INTEGRATION</b> | <b>???</b>                |
| <b>MONITORING</b>  | <b>???</b>                |



# **MODELS**

**HOUSE PRICE INDICES**

**HEDONIC MODELS**

**COMPARABLE-BASED MODELS**

# THE **AI** FRAMEWORK

|                    |                            |
|--------------------|----------------------------|
| <b>GOAL</b>        | <b>PROPERTY VALUATION</b>  |
| <b>DATA</b>        | <b>CADASTRE, LISTINGS</b>  |
| <b>MODELS</b>      | <b>HEDONIC, COMP-BASED</b> |
| <b>INTEGRATION</b> | <b>???</b>                 |
| <b>MONITORING</b>  | <b>???</b>                 |



# **INTEGRATION**

**VALUATION REPORTS  
INVESTING STRATEGY**

# THE **AI** FRAMEWORK

|                    |                            |
|--------------------|----------------------------|
| <b>GOAL</b>        | <b>PROPERTY VALUATION</b>  |
| <b>DATA</b>        | <b>CADASTRE, LISTINGS</b>  |
| <b>MODELS</b>      | <b>HEDONIC, COMP-BASED</b> |
| <b>INTEGRATION</b> | <b>REPORTS, INVESTING</b>  |
| <b>MONITORING</b>  | <b>???</b>                 |



**MONITORING**

**DATA QUALITY**  
**PERFORMANCE/ACCURACY**  
**COVERAGE**





# THE **AI** FRAMEWORK

|                    |                            |
|--------------------|----------------------------|
| <b>GOAL</b>        | <b>PROPERTY VALUATION</b>  |
| <b>DATA</b>        | <b>CADASTRE, LISTINGS</b>  |
| <b>MODELS</b>      | <b>HEDONIC, COMP-BASED</b> |
| <b>INTEGRATION</b> | <b>REPORTS, INVESTING</b>  |
| <b>MONITORING</b>  | <b>DATA, PERFORMANCE</b>   |

# HOW CAN **AI** TRANSFORM REAL ESTATE INVESTMENTS?



**DataBrut**