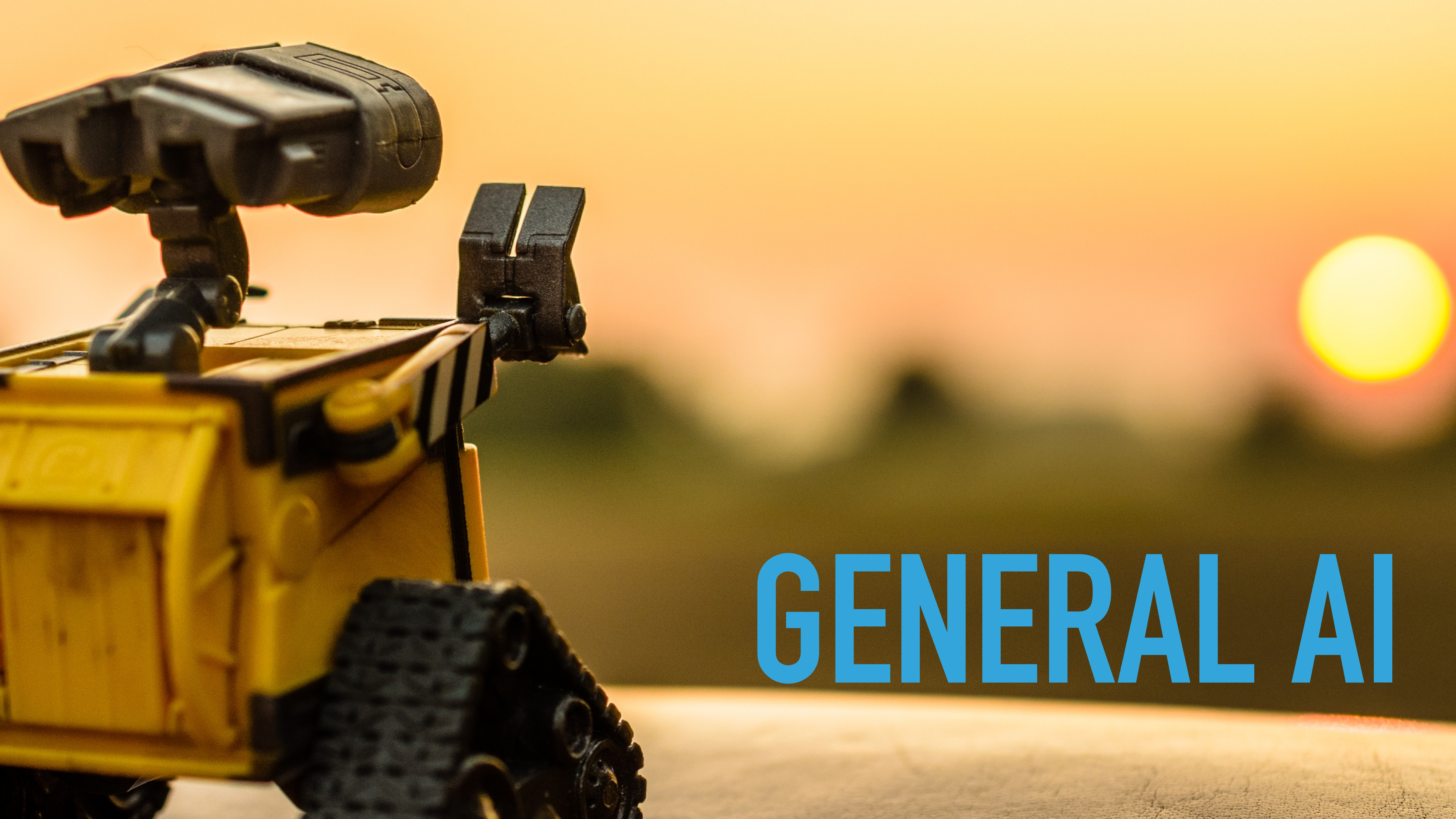


VLAD ILIESCU

DEMYSTIFYING AI AND MACHINE LEARNING

WHAT IS ARTIFICIAL INTELLIGENCE?

THE SIMULATION OF HUMAN INTELLIGENCE BY MACHINES



GENERAL AI

NARROW AI

SUNGLASSES



KEYBOARD



MOUSE



**WHAT'S THE RELATIONSHIP
BETWEEN AI AND ML?**

**ML IS AN APPROACH
OF ACHIEVING AI**

WHAT IS MACHINE LEARNING?

**ALGORITHMS THAT
PARSE DATA,
LEARN FROM IT,
AND MAKE PREDICTIONS**

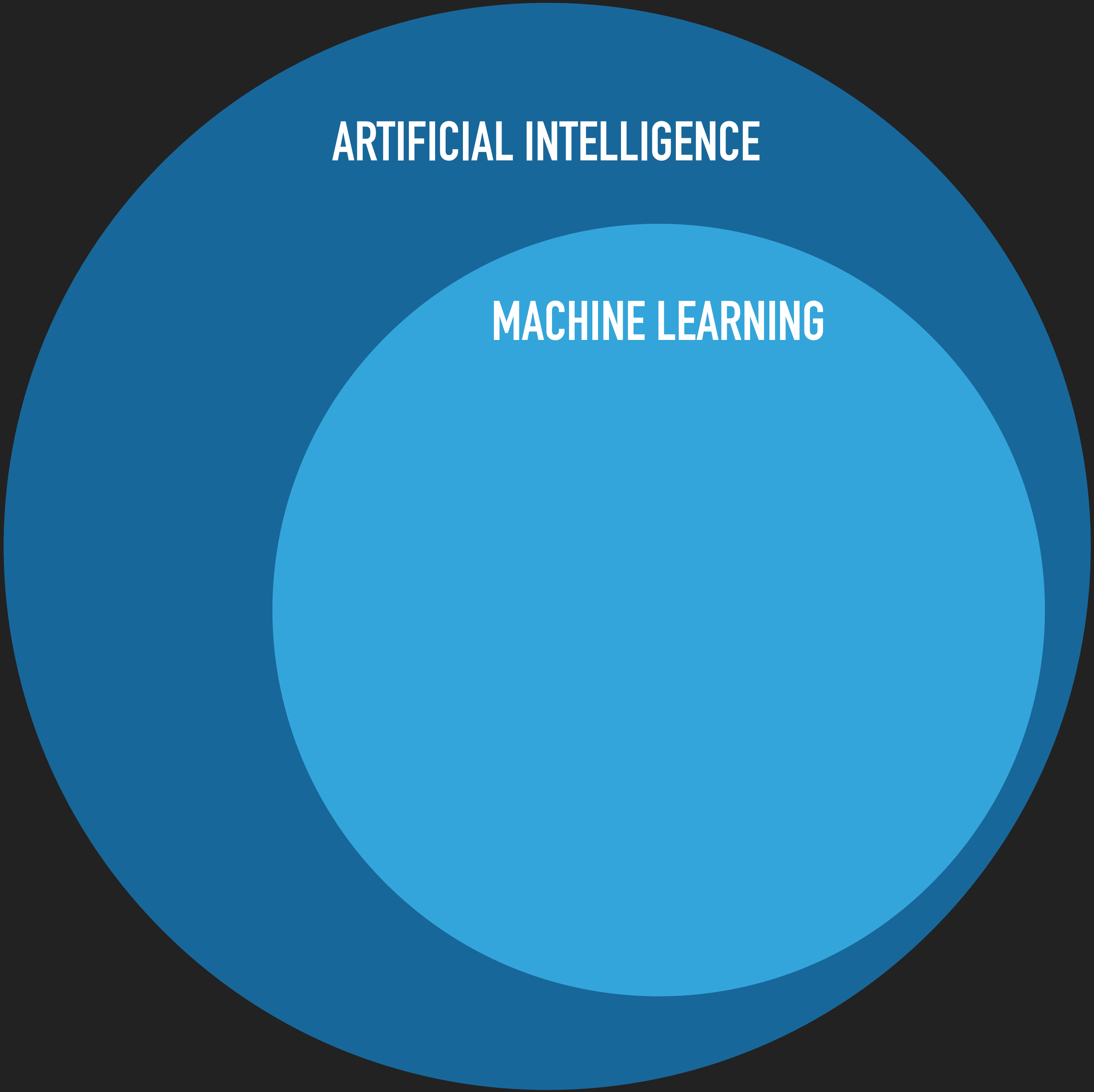
**HOW DOES IT
WORK?**

**WHAT KIND OF
PREDICTIONS?**

CLASSIFICATION

REGRESSION

CLUSTERING



A Venn diagram consisting of two concentric circles. The outer circle is a dark blue color and contains the text 'ARTIFICIAL INTELLIGENCE'. The inner circle is a lighter blue color and contains the text 'MACHINE LEARNING'. The inner circle is positioned such that it is entirely contained within the outer circle, illustrating that Machine Learning is a subset of Artificial Intelligence.

ARTIFICIAL INTELLIGENCE

MACHINE LEARNING

WHEN YOU'RE FUNDRAISING, IT'S AI

Baron Schwartz

**WHEN YOU'RE FUNDRAISING, IT'S AI
WHEN YOU'RE HIRING, IT'S ML**

Baron Schwartz

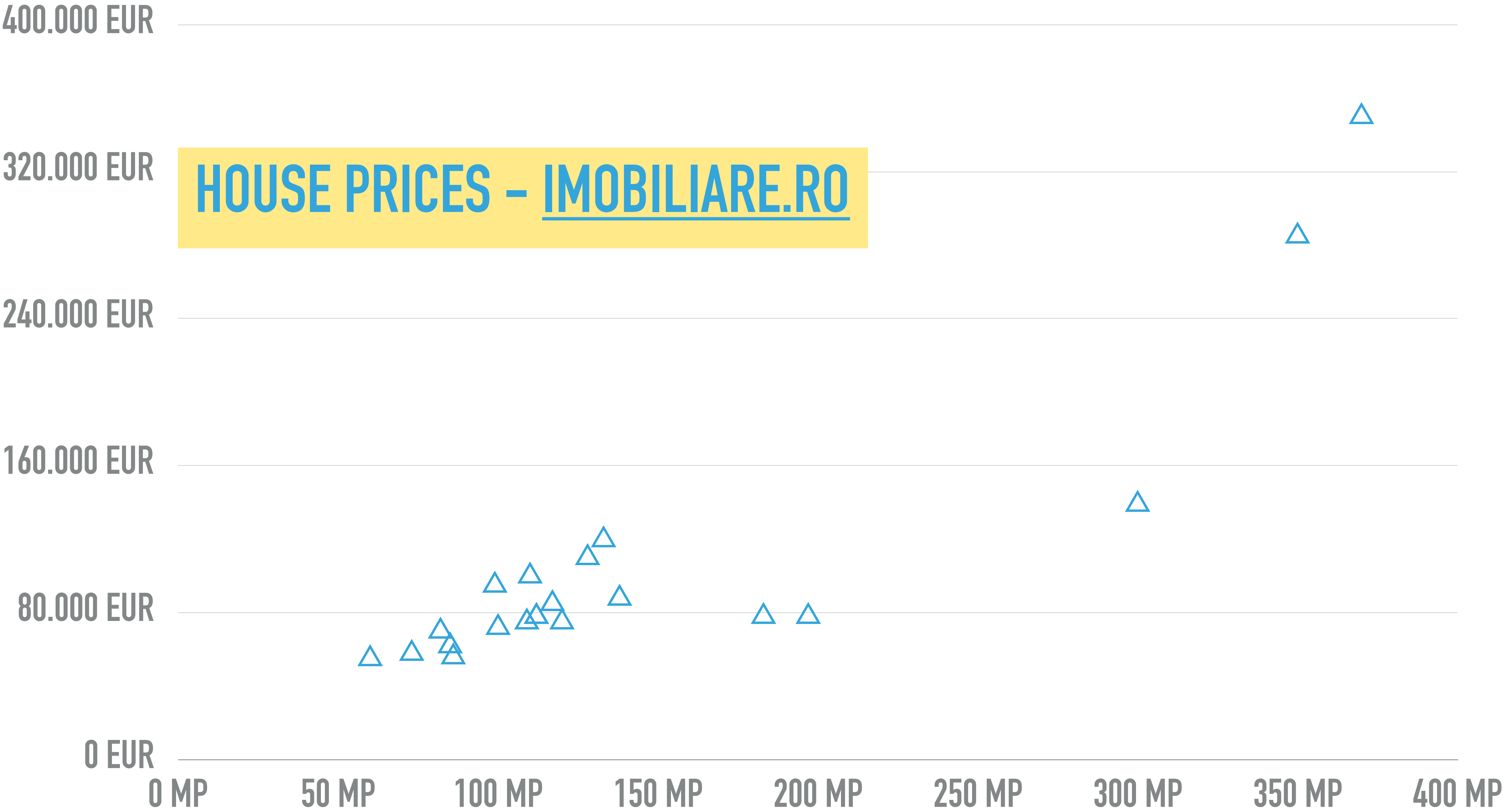
**WHEN YOU'RE FUNDRAISING, IT'S AI
WHEN YOU'RE HIRING, IT'S ML
WHEN YOU'RE IMPLEMENTING, IT'S
LINEAR REGRESSION**

Baron Schwartz

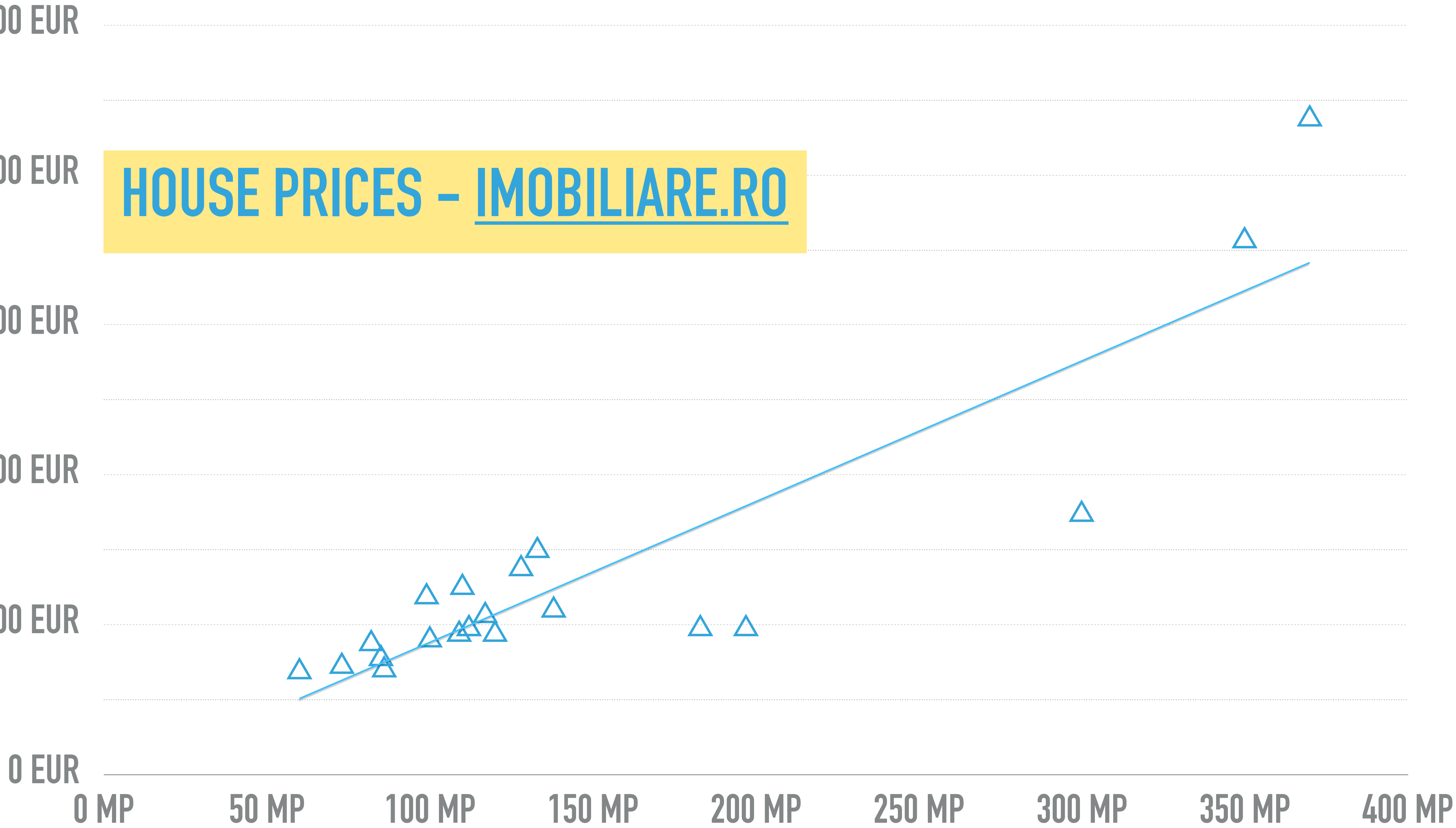
A PRACTICAL EXAMPLE

imobiliare.ro	MP	Price
Casa_01	82	70.000 €
Casa_02	112	78.000 €
Casa_03	110	100.000 €
Casa_04	138	87.900 €
Casa_05	112	78.000 €
Casa_06	183	78.000 €
Casa_07	60	55.000 €
Casa_08	197	78.000 €
Casa_09	109	75.000 €
Casa_10	370	350.000 €
Casa_11	128	110.000 €
Casa_12	350	285.000 €
Casa_13	120	75.000 €
Casa_14	133	119.700 €
Casa_15	300	139.000 €
Casa_16	73	57.900 €

HOUSE PRICES - IMOBILIARE.RO



HOUSE PRICES - IMOBILIARE.RO



400.000 EUR

$$y = 750,54x - 4436,5$$

320.000 EUR

HOUSE PRICES - IMOBILIARE.RO

240.000 EUR

160.000 EUR

80.000 EUR

0 EUR

0 MP

50 MP

100 MP

150 MP

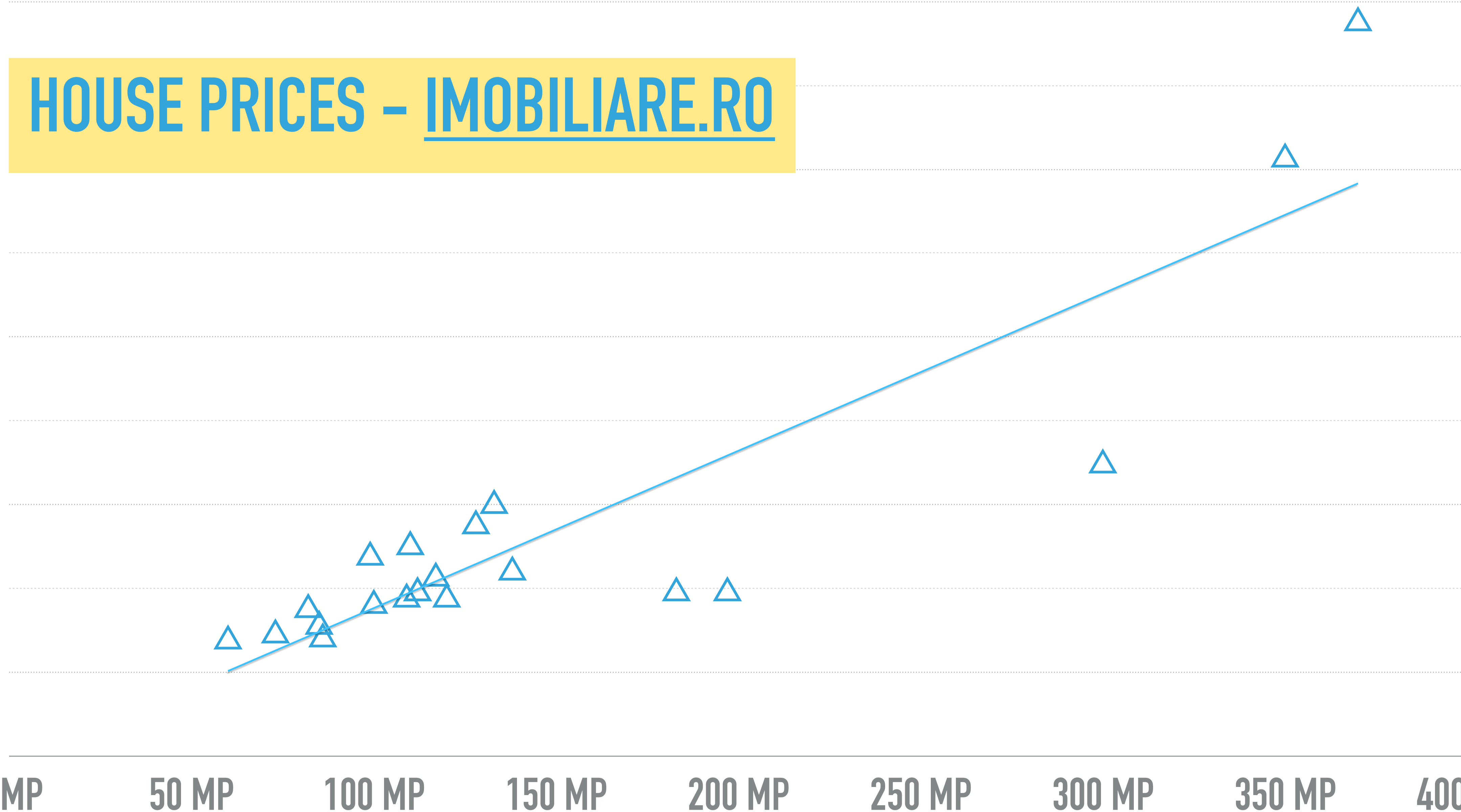
200 MP

250 MP

300 MP

350 MP

400 MP



$$Y = -4.436,5 + 750,54 * X$$

$$Y = -4.436,5 + 750,54 * X$$

100 MP $\Rightarrow$ 70.617,5 EUR

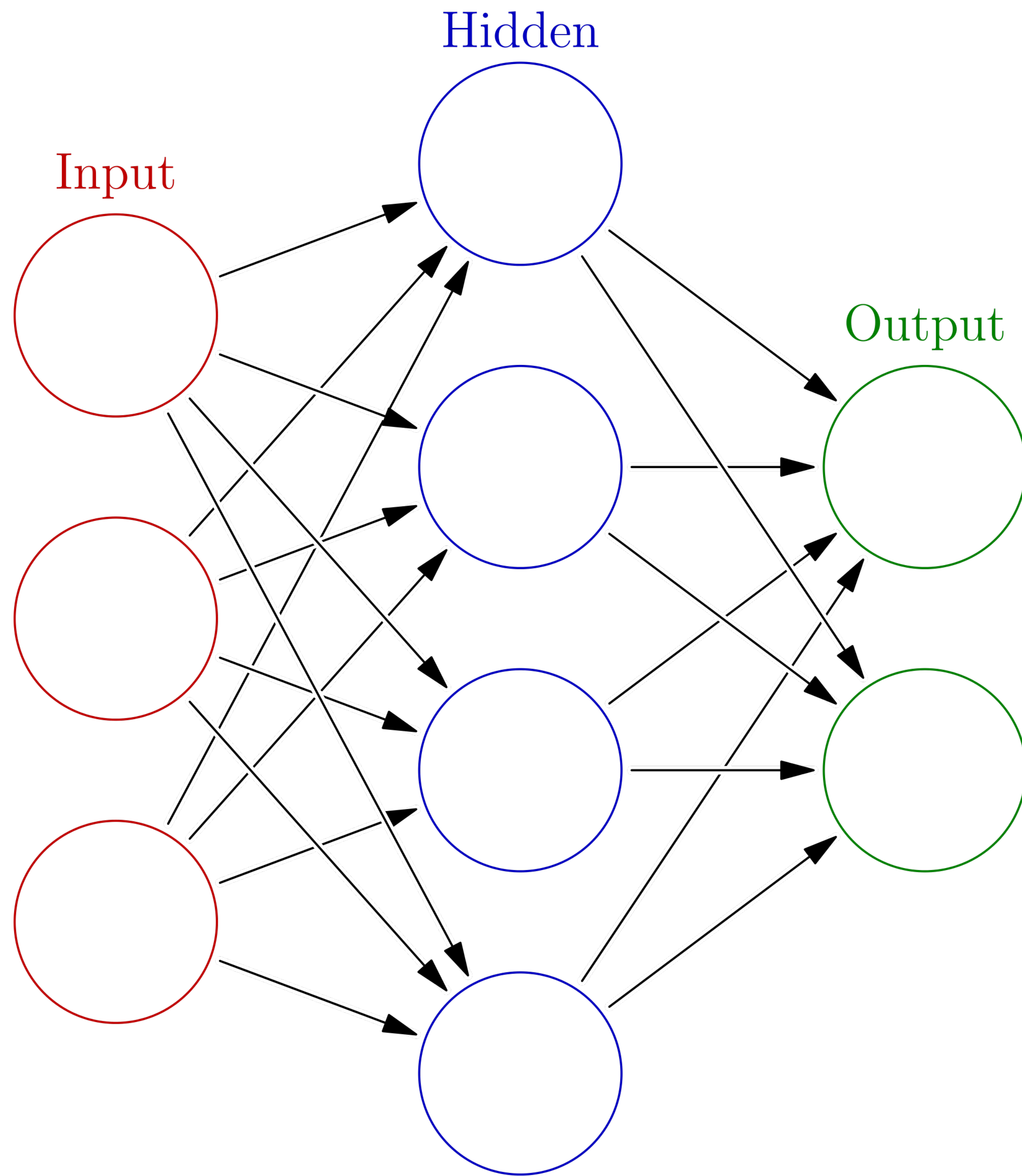
imobiliare.ro	Sqm	Price	Location	Age	Rooms	TotalSqm	...
Casa_01	82	70.000 €	...	...	...	...	...
Casa_02	112	78.000 €	...	...	...	...	...
Casa_03	110	100.000 €	...	...	...	...	...
Casa_04	138	87.900 €	...	...	...	...	...
Casa_05	112	78.000 €	...	...	...	...	...
Casa_06	183	78.000 €	...	...	...	...	...
Casa_07	60	55.000 €	...	...	...	...	...
Casa_08	197	78.000 €	...	...	...	...	...
Casa_09	109	75.000 €	...	...	...	...	...
Casa_10	370	350.000 €	...	...	...	...	...
Casa_11	128	110.000 €	...	...	...	...	...
Casa_12	350	285.000 €	...	...	...	...	...
Casa_13	120	75.000 €	...	...	...	...	...
Casa_14	133	119.700 €	...	...	...	...	...
Casa_15	300	139.000 €	...	...	...	...	...
Casa_16	73	57.900 €	...	...	...	...	...

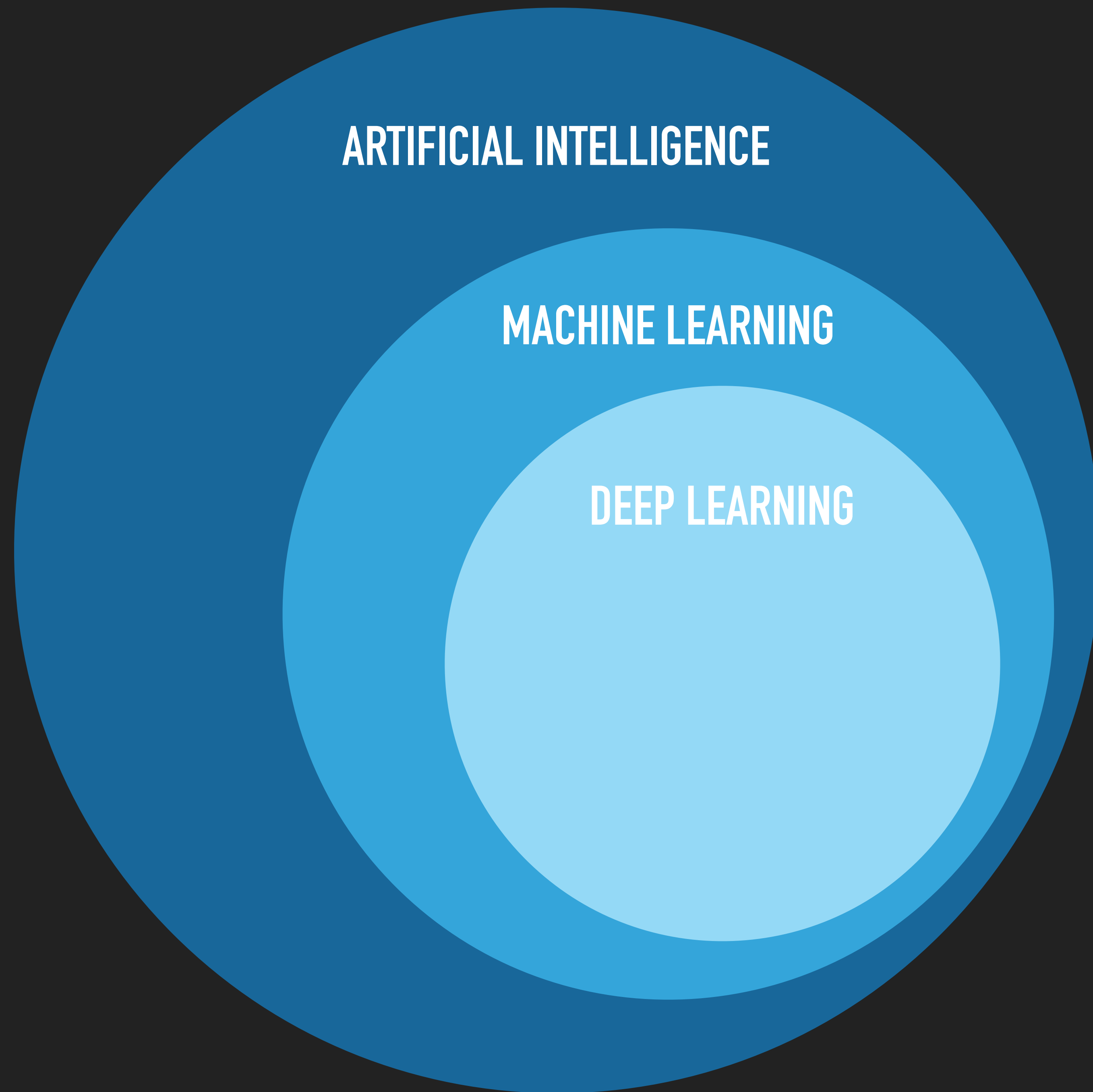
WHAT ABOUT IMAGES?



**WHAT IS
DEEP LEARNING?**

**A TECHNIQUE THAT LEARNS
FEATURES AND TASKS
DIRECTLY FROM DATA.**





ARTIFICIAL INTELLIGENCE

MACHINE LEARNING

DEEP LEARNING

QUESTIONS?

VLAD ILIESCU

THE END