



FIGHT MACHINE LEARNING PROBLEMS



DATA NINJA

COMPETITION INAUGURATION

POZNAN UNIVERSITY OF TECHNOLOGY, 13.10.2017



BUSINESS INTELLIGENCE

MACHINE LEARNING

DATA ENGINEERING

BIG DATA

DATA MINING

ARTIFICIAL INTELLIGENCE

DATA SCIENCE

2015 edition



Sito

Automatyczna Moderacja Ogłoszeń

Stwórz model predykcyjny, który ucząc się na podstawie decyzji moderatorów, będzie w stanie wykrywać nieodpowiednie treści w serwisie ogłoszeniowym





OLX Group

Fixly

Avito

OLX

letgo

STRADIA

dubizzle

storla



property24

SKINA

Domofond.ru

AUTOVIT.RO

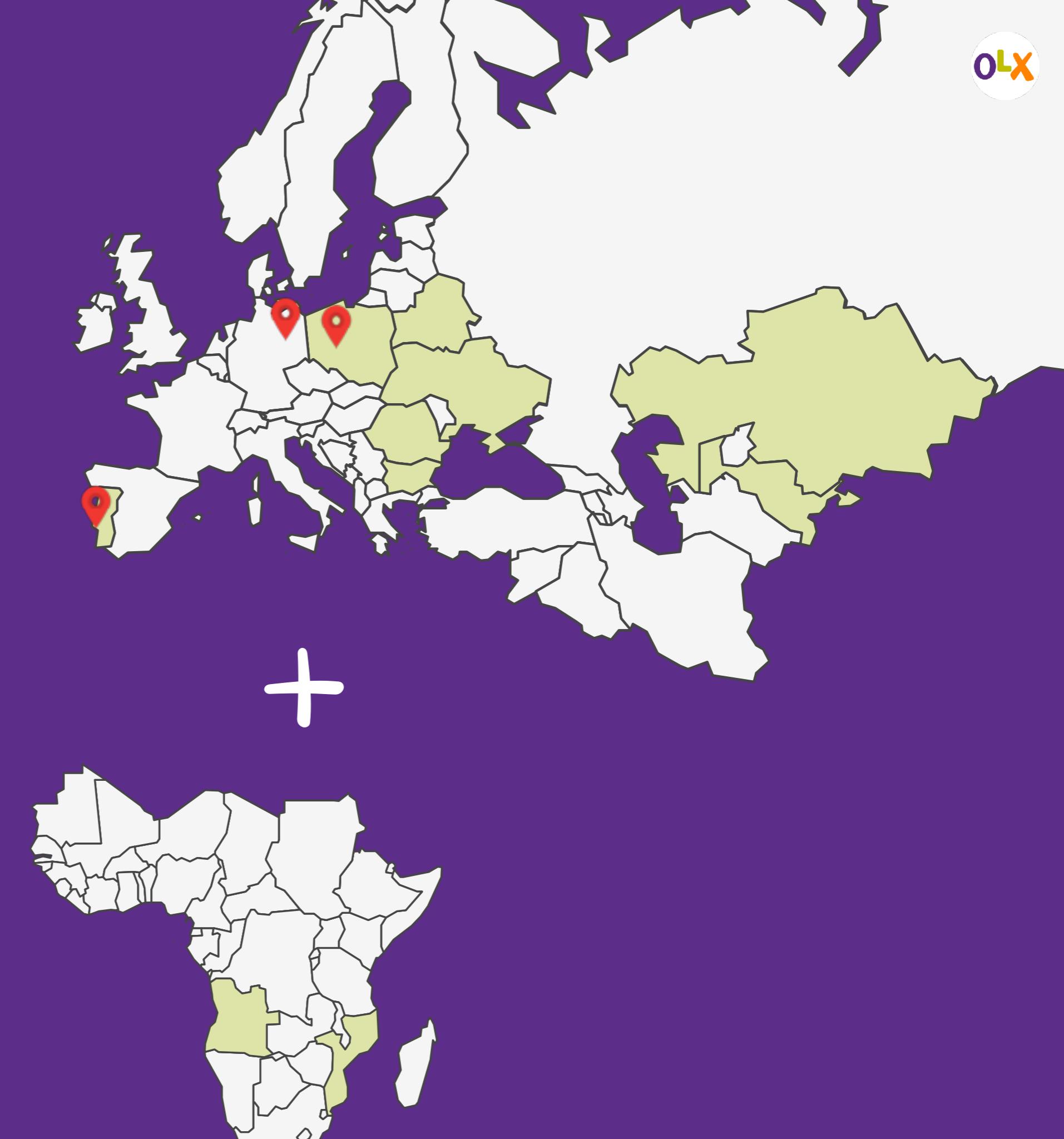
OTOMOTO

otodom.

STANDVIRTUOL

IMOVIRTUAL

**POZNAŃ
BERLIN
LIZBON**



POZNAŃ BERLIN LIZBON





FIGHT MACHINE LEARNING PROBLEMS

2018 edition

Sprzedaj

Dodaj zdjęcia



Tytuł*
Macbook Pro

Elektronika / Komputery*
Laptops

Prywatnie lub firma*
Prywatne

Opis*
Rocznik Apple Macbook Pro. 16gb ram
256gb ssd i7 3,1ghz

Cena Za darmo Zamień

Zobacz przed dodaniem

Dalej

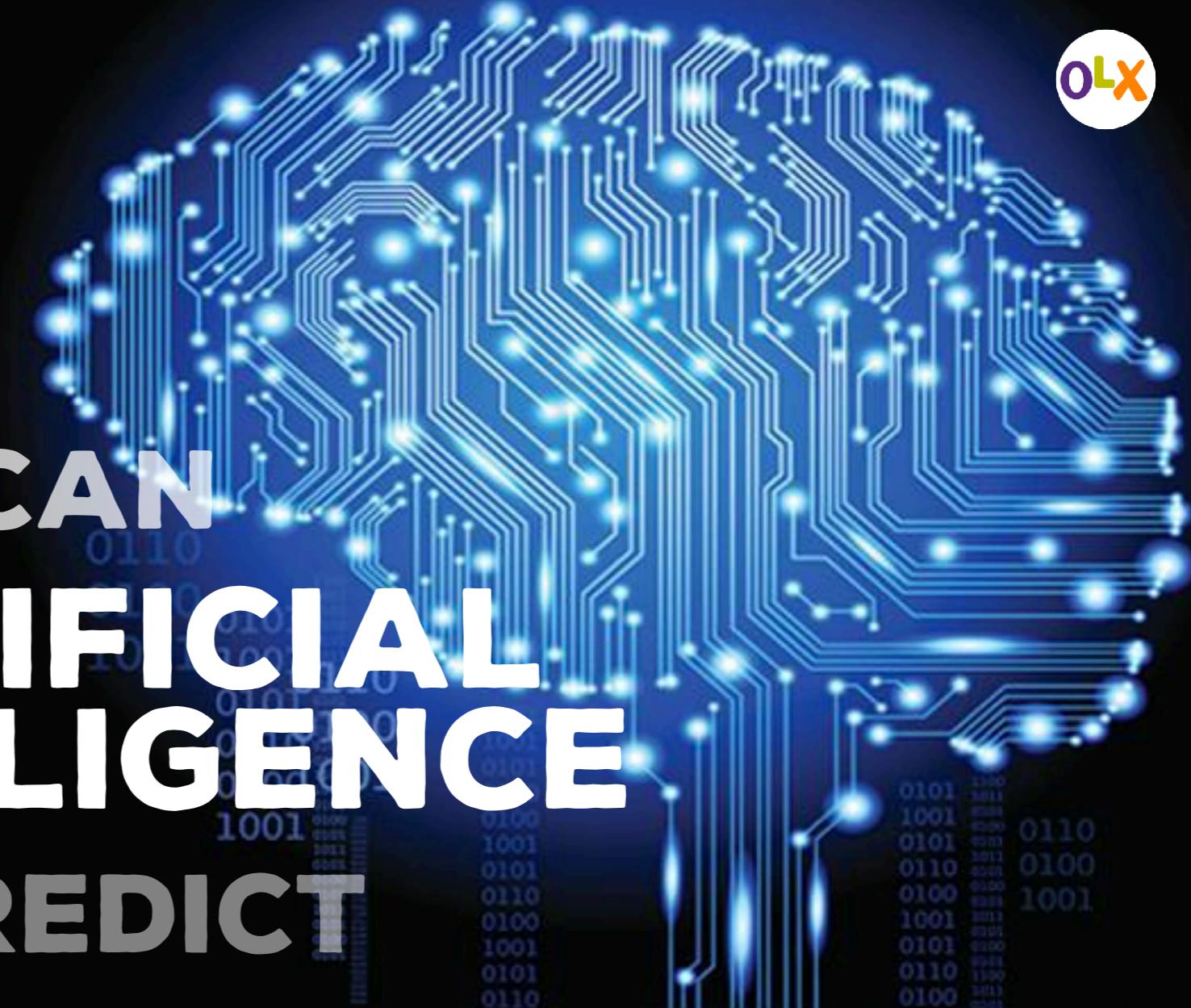
 Ogloszenia  10 Obserwujesz  Sprzedaj  Wiadomości  Mój OLX

WILL I FIND
A BUYER?

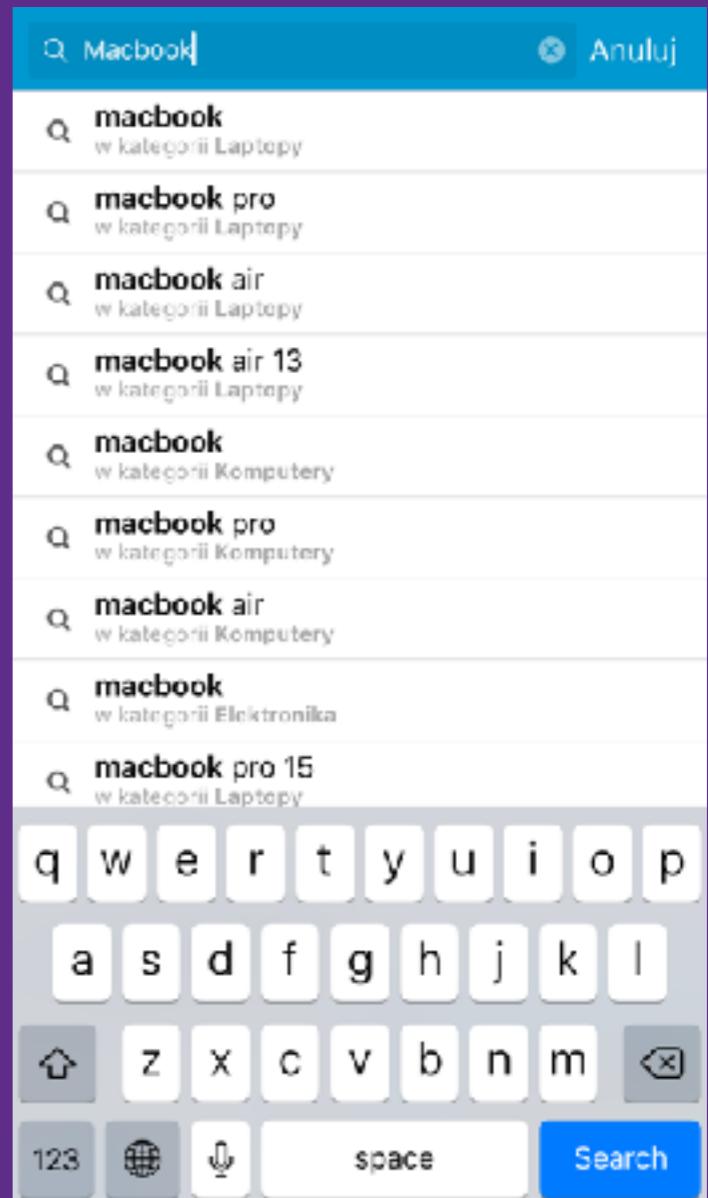
2018 edition



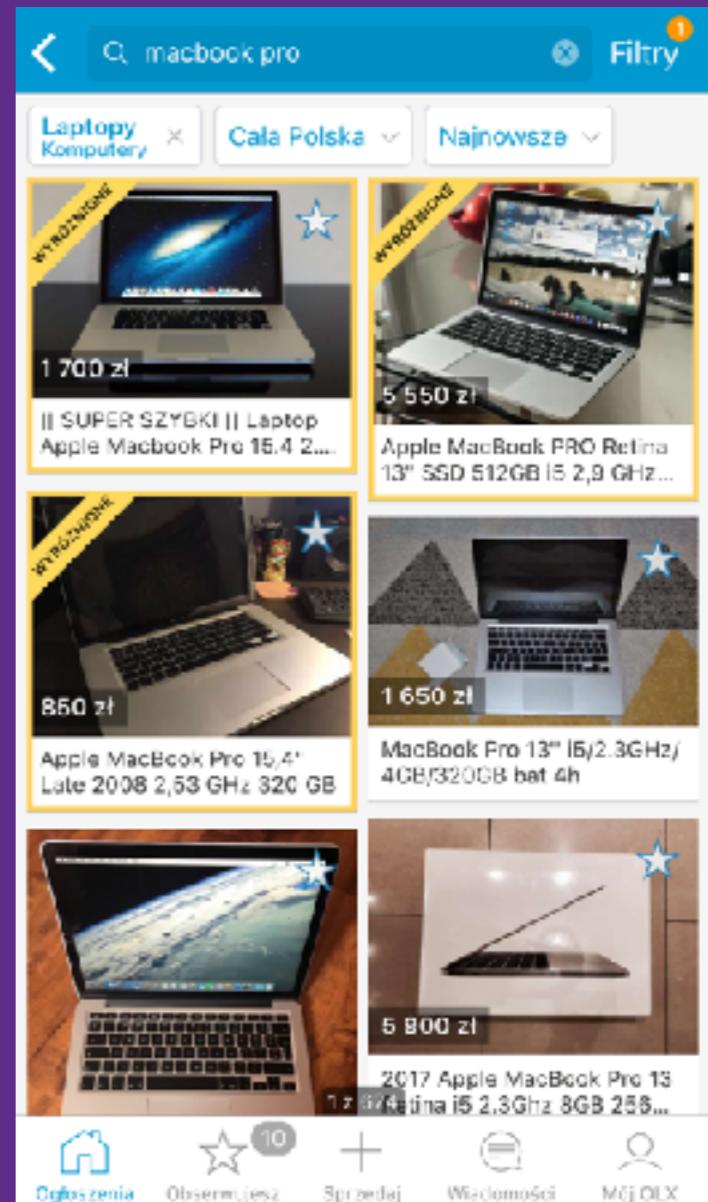
CAN
**ARTIFICIAL
INTELLIGENCE**
PREDICT
THE FUTURE?

A large, glowing blue circuit board pattern shaped like a human brain. The board is set against a dark background with binary code (0s and 1s) visible through the board's layers. The overall theme is advanced technology and artificial intelligence.

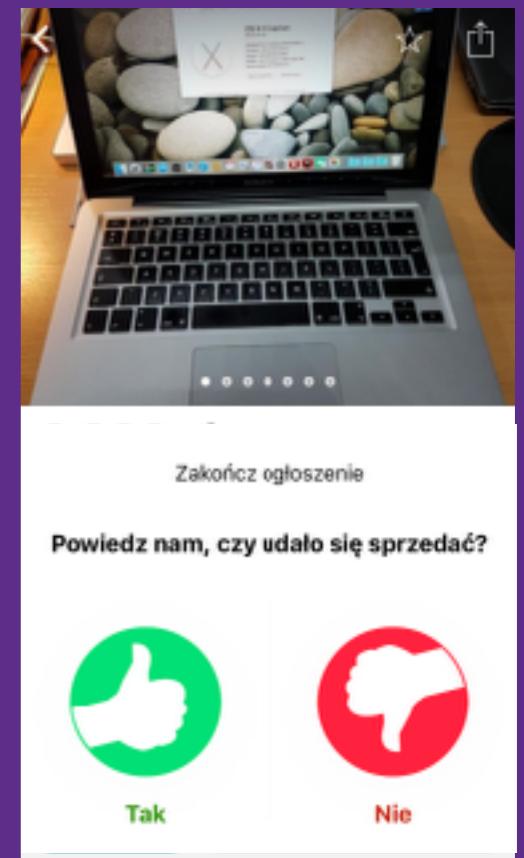
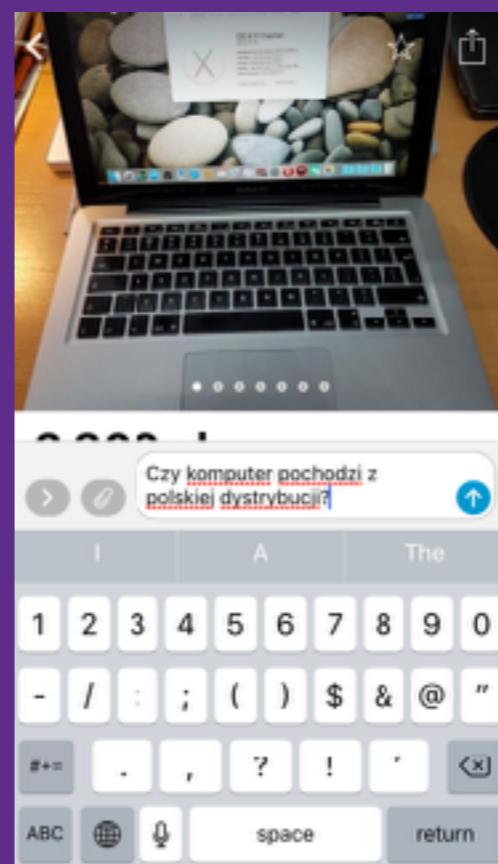
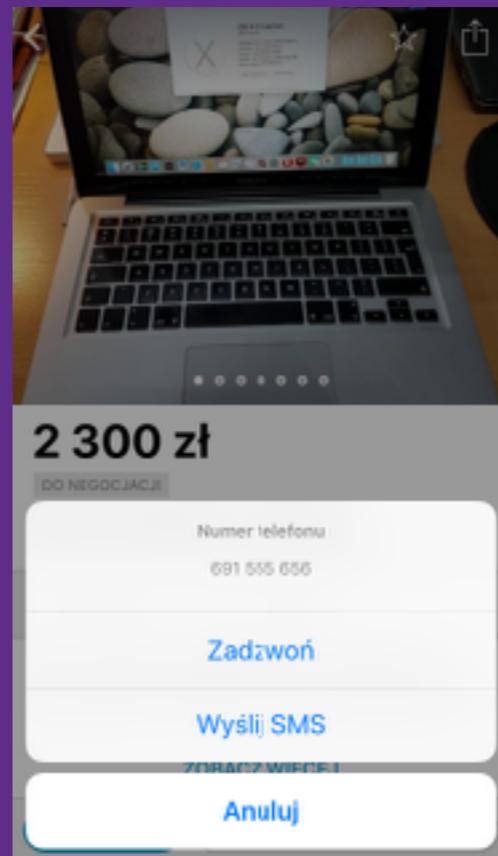
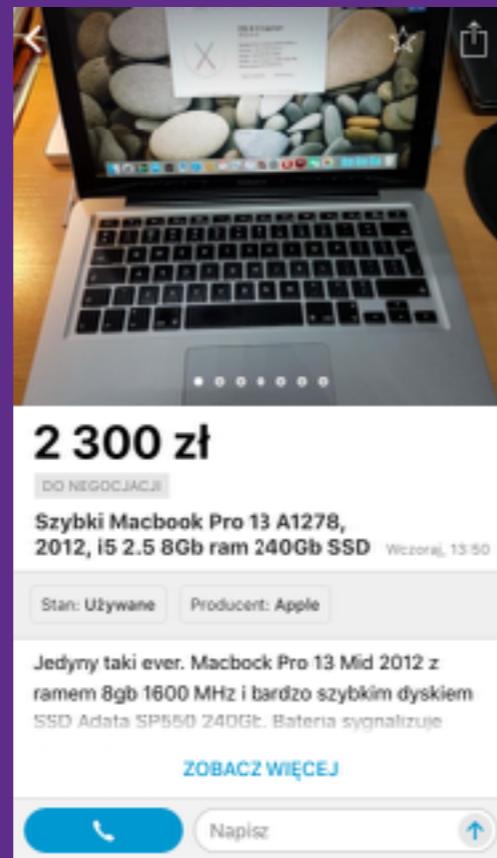
TRENDS



ADS



2018 edition



AD VIEW

REPLY

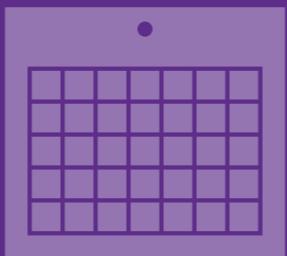
SOLD

2018 edition

DATA

TRENDS

2 WEEKS



TODAY

ADS

2 WEEKS

AD VIEWS
REPLIES
SOLD

2018 edition

DATA

TRAINING SET

2016 NOV
2016 DEC
2017 JAN
2017 FEB
2017 MAR
2017 APR
2017 MAY
2017 JUN
2017 JUL
2017 AUG
2017 SEP

TEST SET

2017 OCT

FINAL TEST SET

2018 MAR

YOUR TASK

TEST DATA



YOUR MODEL



YOUR
PREDICTION

2018 edition



EVALUATION

YOUR
PREDICTION



LEADER
BOARD

EVALUATION

ITEM ERROR

=

AD VIEWS ERROR

+

REPLIES ERROR

+

SOLD ERROR

EVALUATION

AD VIEWS ERROR

	0	1-3	4-10	11-35	36-
0	0				
1-3		0			
4-10			0		
11-35				0	
36-					0

EVALUATION

REPLIES ERROR

	0	1	2-3	4-6	7-
0	0				
1		0			
2-3			0		
4-6				0	
7-					0

EVALUATION

**SOLD
ERROR**

	FALSE	TRUE
FALSE	0	
TRUE		0

2018 edition



FINAL EVALUATION



48H

FINAL TEST
DATA

YOUR
SUBMISSION



Q&A



GOOD LUCK!



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