



FIGHT

MACHINE LEARNING
PROBLEMS

DATA NINJA

COMPETITION INAUGURATION



**BUSINESS
INTELLIGENCE**

**MACHINE
LEARNING**

DATA ENGINEERING

BIG DATA

**ARTIFICIAL
INTELLIGENCE**

**DATA
MINING**

DATA SCIENCE



2017 edition

KONKURS
Z PUŁĄ NAGROD
10 000 PLN

2015 edition

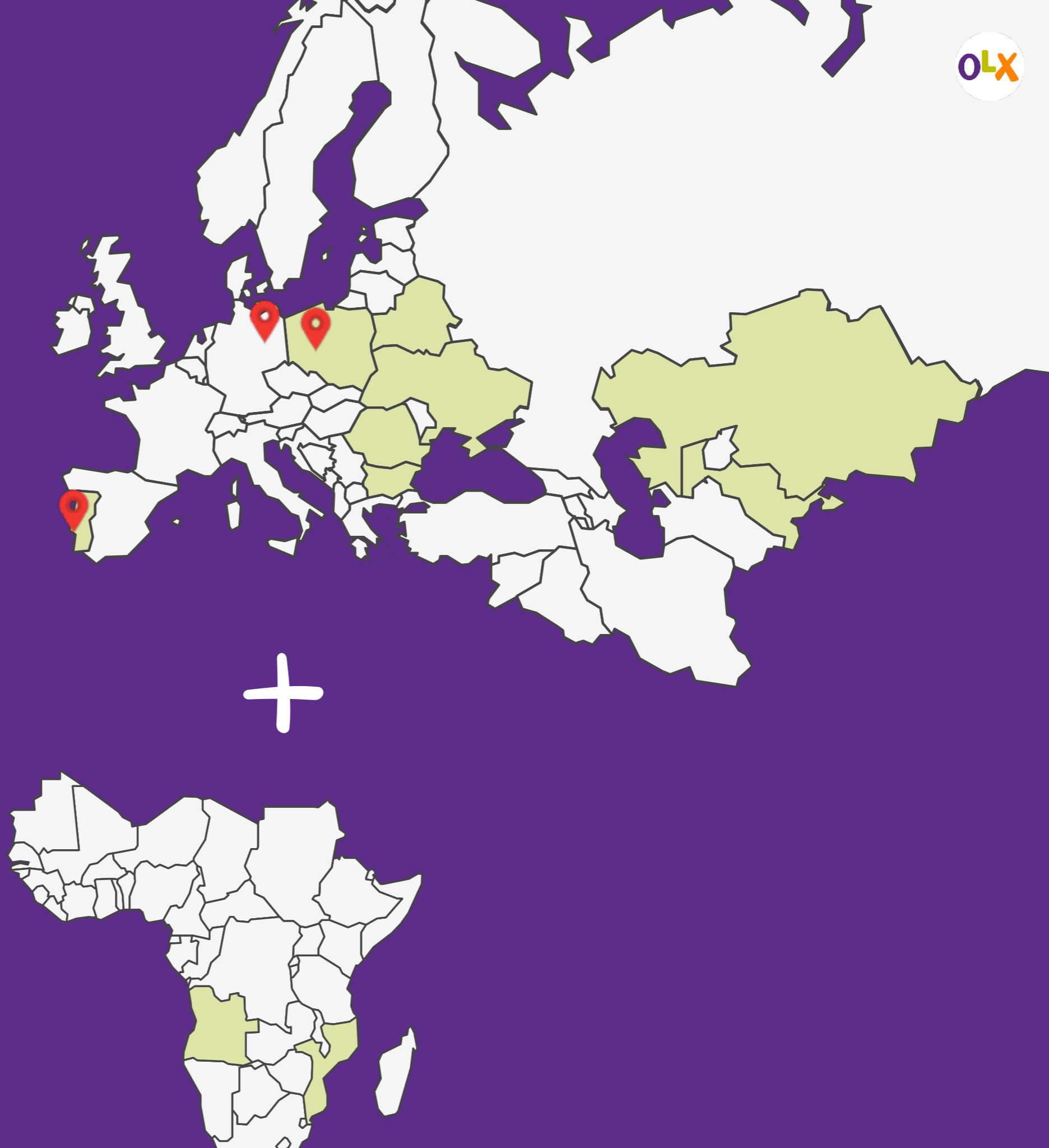
Sito

Automatyczna Moderacja Ogłoszeń

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



POZNAŃ
BERLIN
LIZBON



POZNAŃ
BERLIN
LIZBON

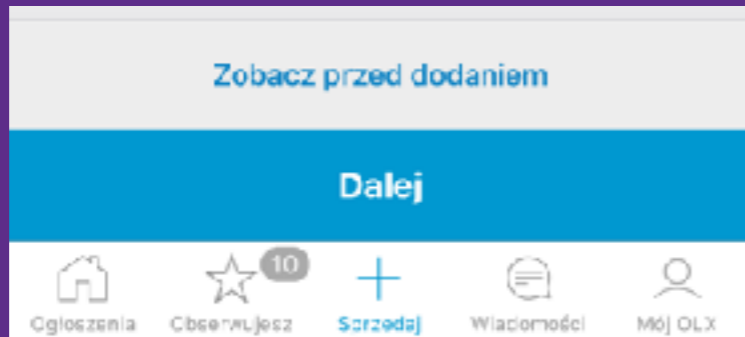
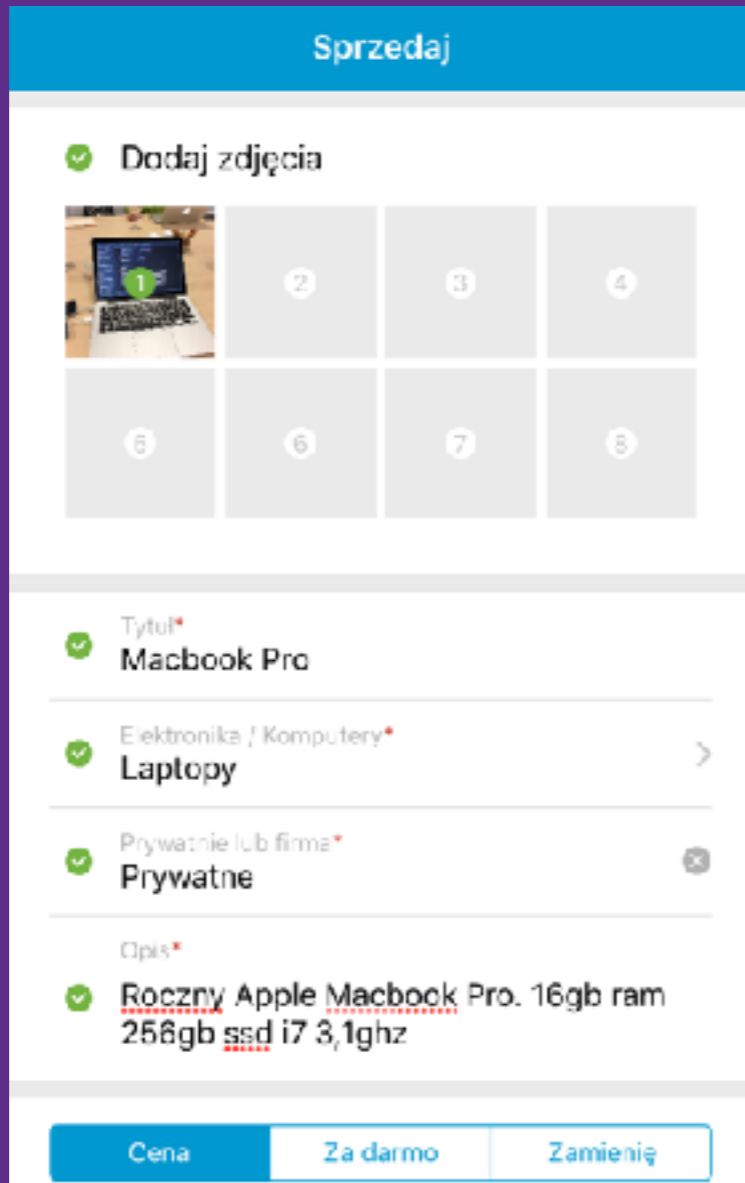




FIGHT

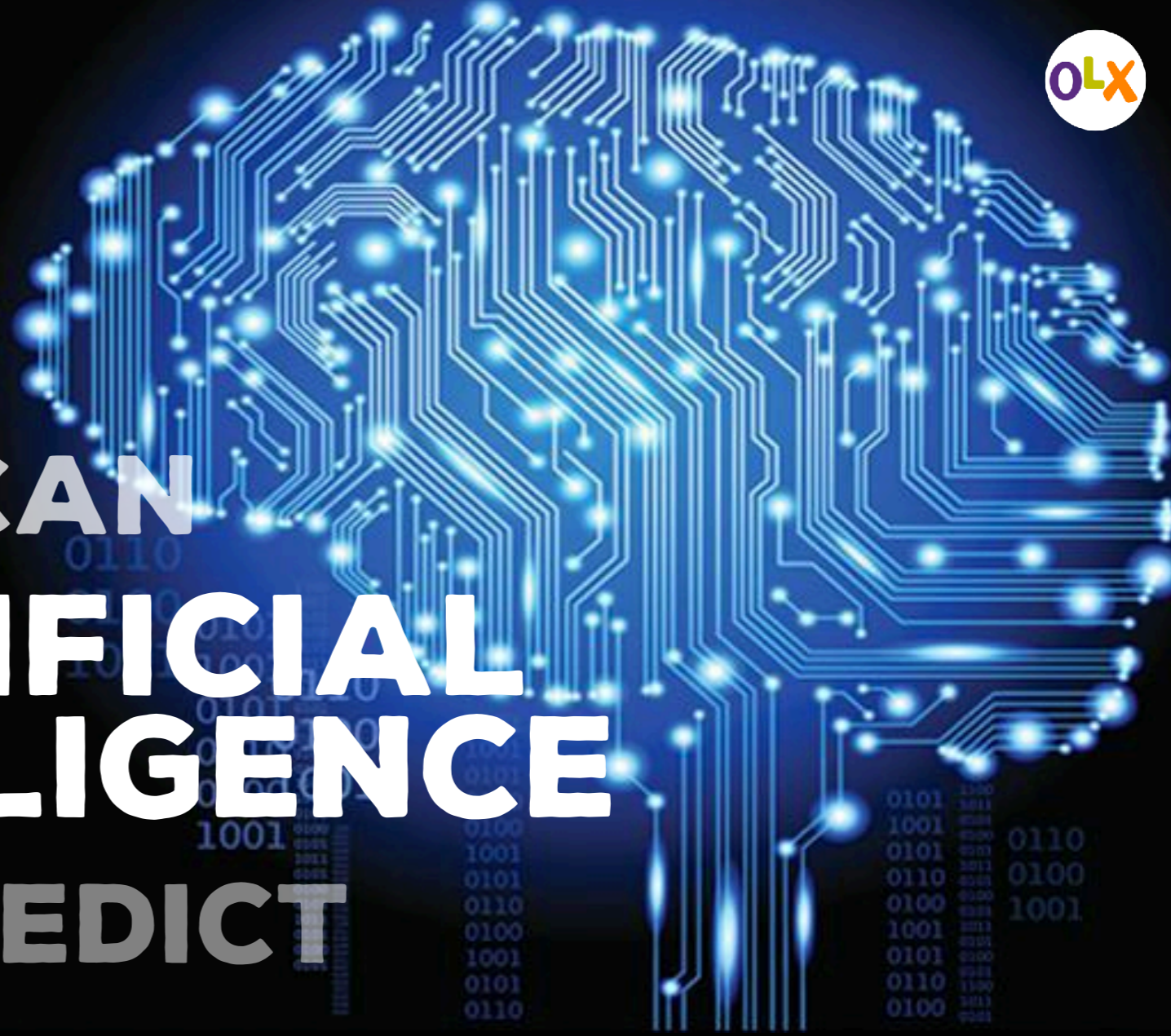
MACHINE LEARNING
PROBLEMS

2018 edition



**WILL I FIND
A BUYER?**

2018 edition



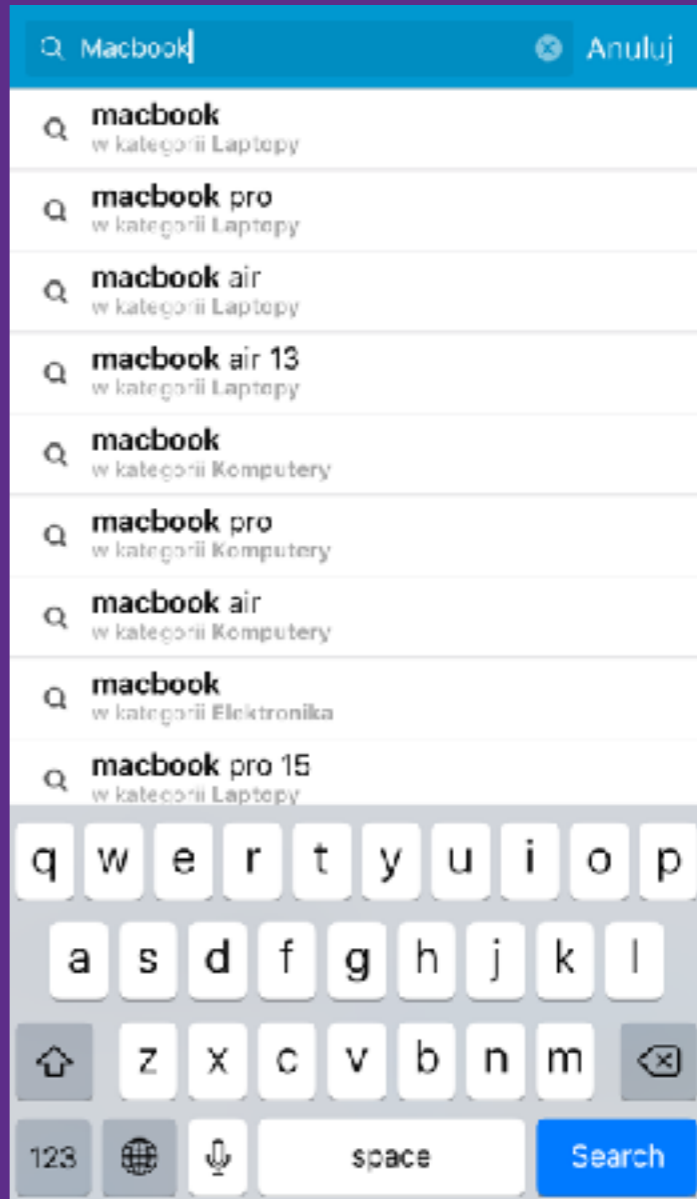
CAN
**ARTIFICIAL
INTELLIGENCE**
PREDICT

THE FUTURE?

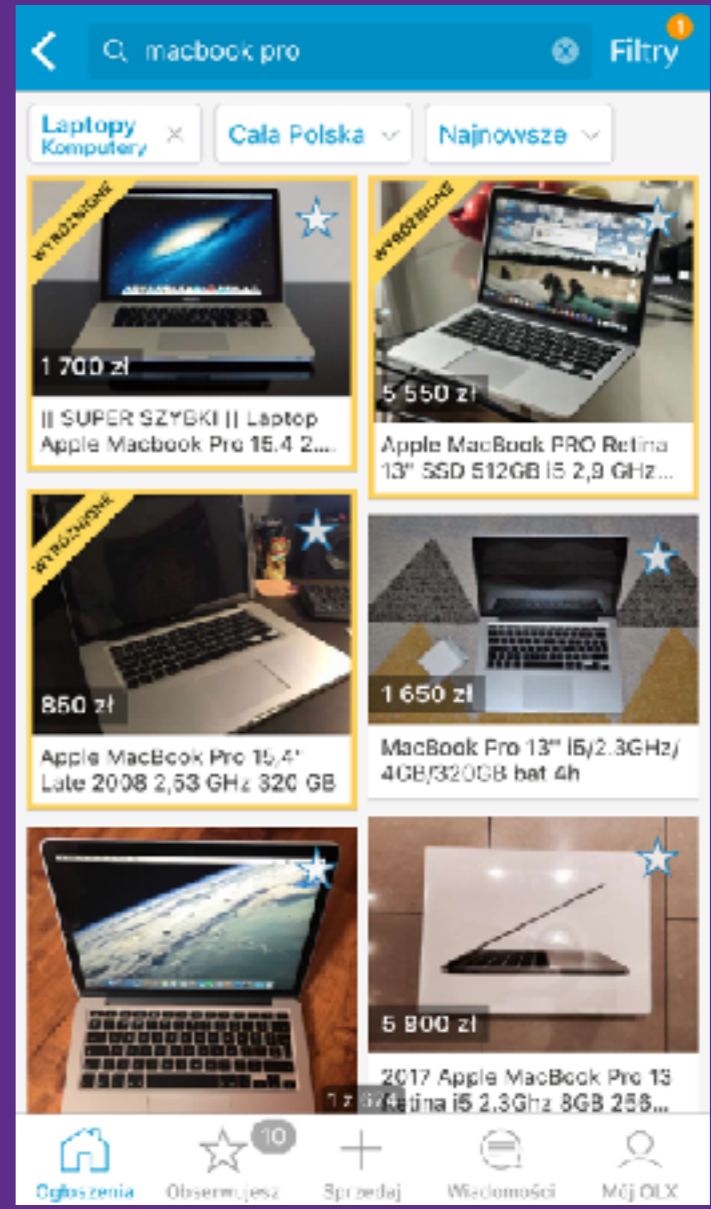
2018 edition

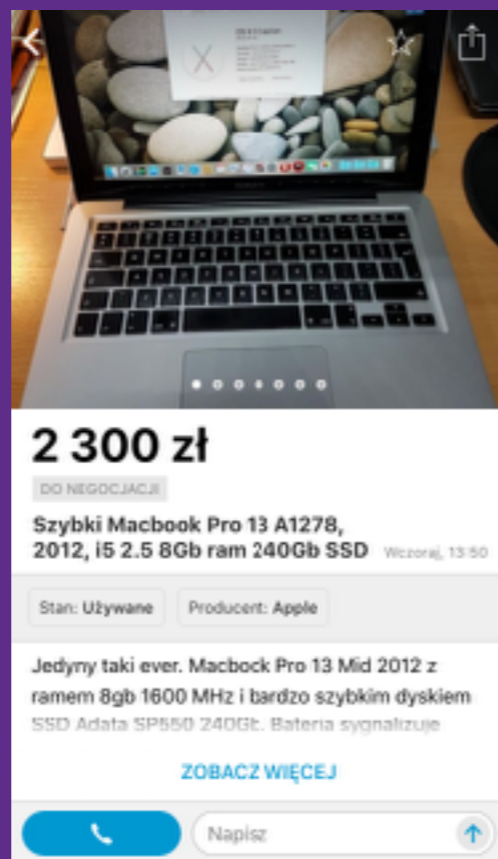


TRENDS

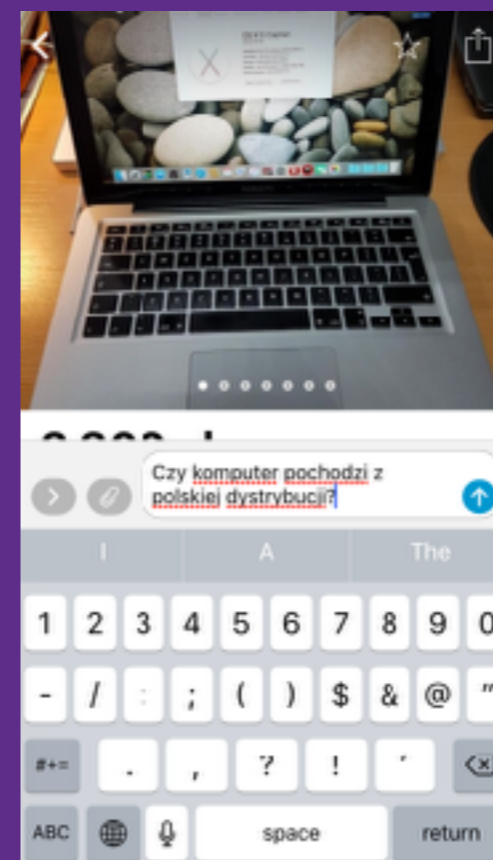
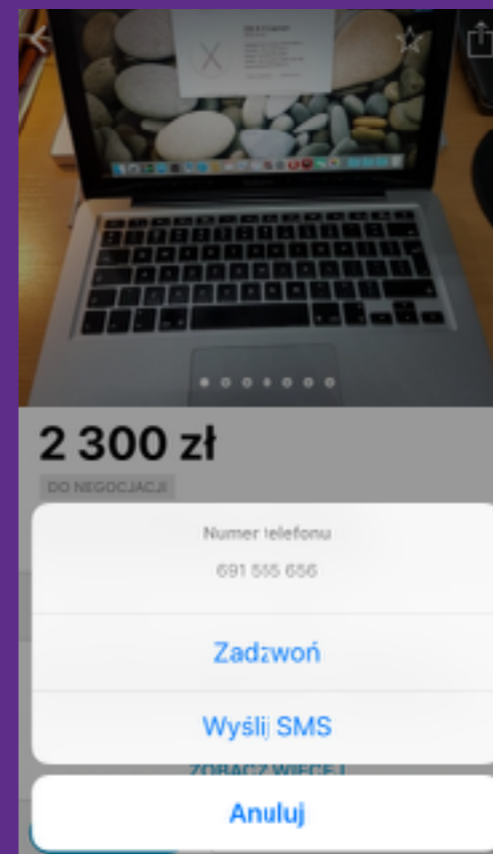


ADS

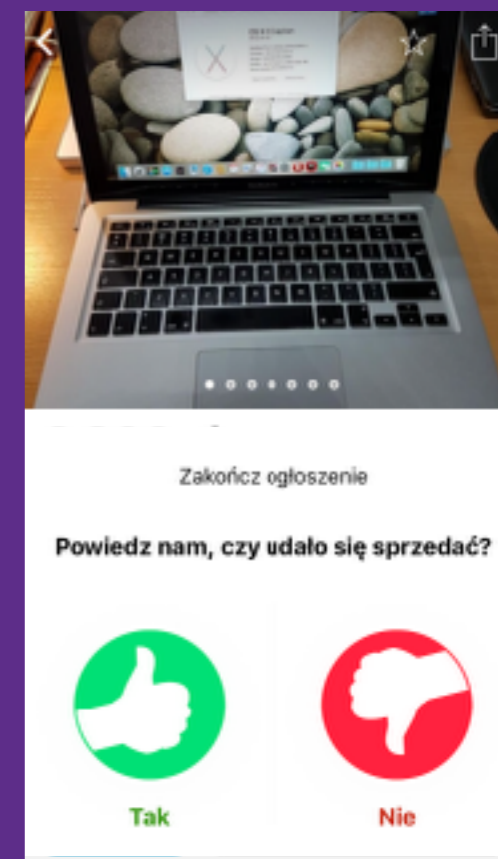




AD VIEW



REPLY



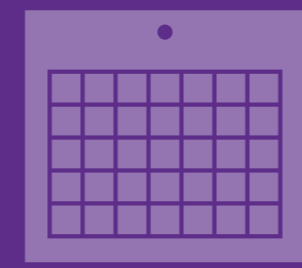
SOLD

2018 edition



DATA

TRENDS



AD VIEWS
REPLIES
SOLD



TODAY



•
ADS

DATA

TRAINING SET

TEST SET

FINAL TEST SET

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

2017 OCT

2018 MAR

YOUR TASK

TEST DATA



YOUR MODEL



**YOUR
PREDICTION**

EVALUATION

**YOUR
PREDICTION**



**LEADER
BOARD**

EVALUATION

$$\begin{aligned} \text{ITEM ERROR} &= \\ &\text{AD VIEWS ERROR} \\ &+ \\ &\text{REPLIES ERROR} \\ &+ \\ &\text{SOLD ERROR} \end{aligned}$$

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**

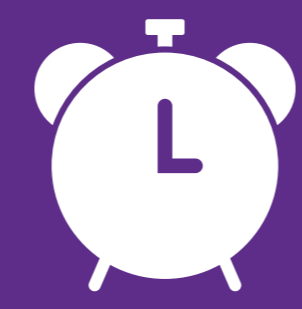
	0	1	2-3	4-6	7-
0	0				
1		0			
2-3			0		
4-6				0	
7-					0

EVALUATION

**SOLD
ERROR**

	FALSE	TRUE
FALSE	0	
TRUE		0

FINAL EVALUATION



48H

FINAL TEST
DATA



YOUR
SUBMISSION

Q&A

GOOD LUCK!



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PROBLEMS