Click Through Rate Prediction

Based on e-Commerce Dataset From Taobao.com

Motivation & Objective

Motivation

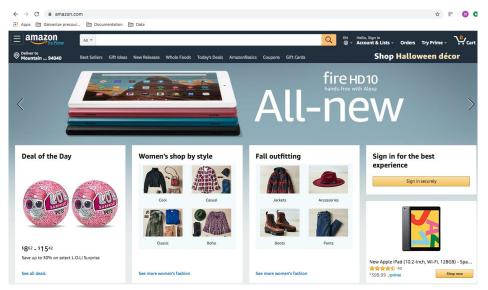
Online Ads in Digital Marketing

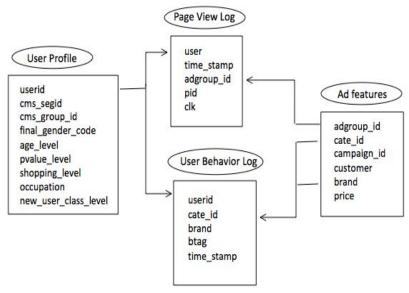
Objective

Predict the click through rate

What we have?

What does each feature mean?





Display/click logs:

2017-5-5 to 2017-5-13 - 22 million logs, 1.1 million users randomly sampled from Taobao.com. Overall, 5% click

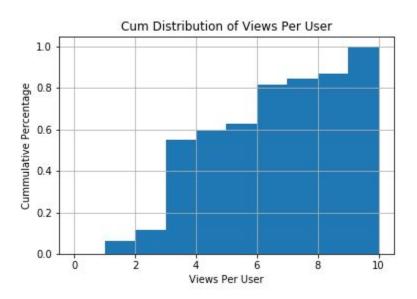
User behavior logs:

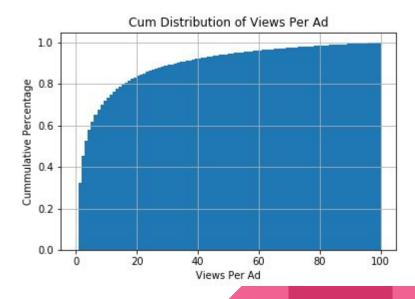
 2017-4-21 to 2017-5-13 - 723 million logs, 22 days behavior from the users in display/click logs dataset

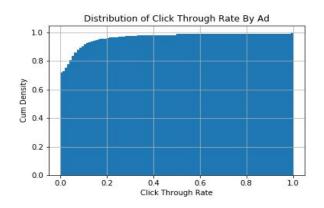
Display/Click Info (Combined Table)

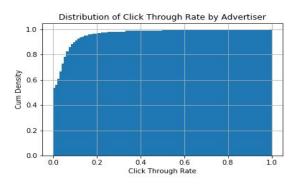
user	1141729
adgroup_id	846811
pid	2
clk	2
time	662061
cate_id	6769
campaign_id	423436
customer	255875
brand	99814
price	14861
cms_segid	97
cms_group_id	13
final_gender_code	2
age_level	7
pvalue_level	3
shopping_level	3
occupation	2
new_user_class_level	4

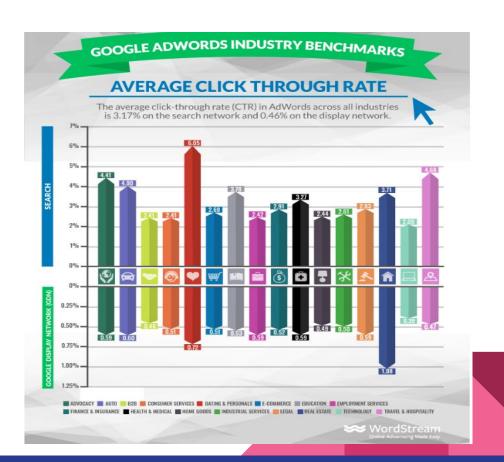
Page Views



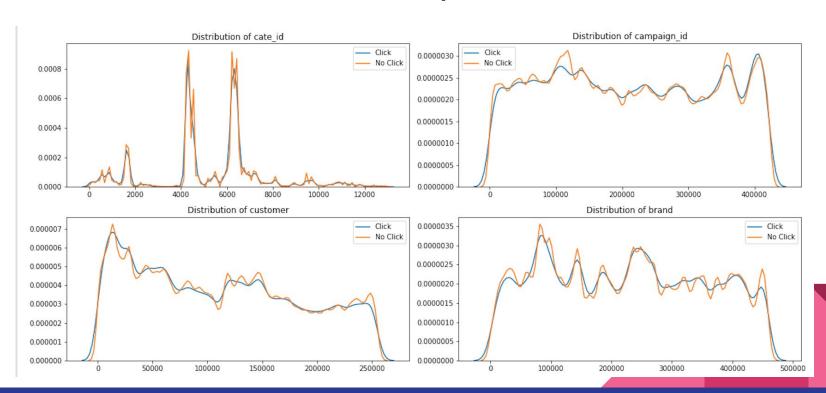




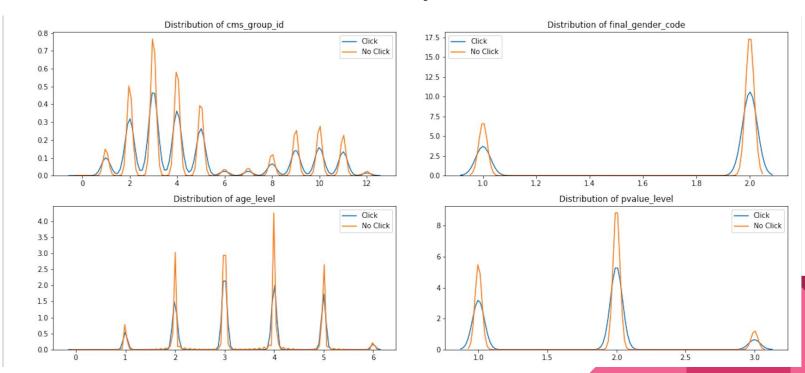




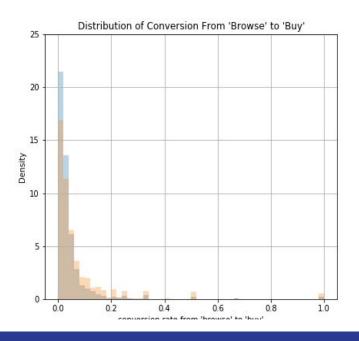
Feature Exploration

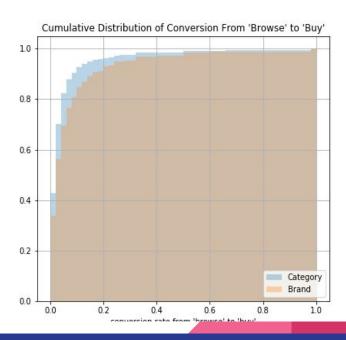


Feature Exploration

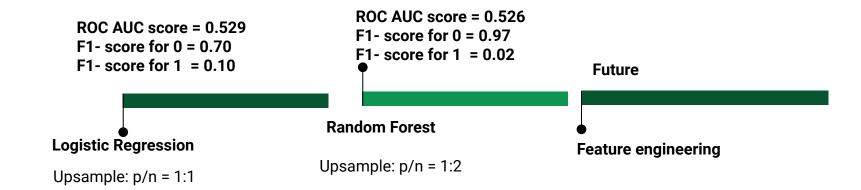


Conversion From "Browse" To "Buy"





Modeling



Question?

Thank You!