GONSUMER BEHAVIOR ANALYTICS

A new device has been launched.

Which customers should

BE ACTIVATED FOR 175

PROMOTION?

Strategy

Customer Segmentation

WITH DATA SCIENCE +
MACHINE LEARNING

Sample Trial 2,240 customers tested

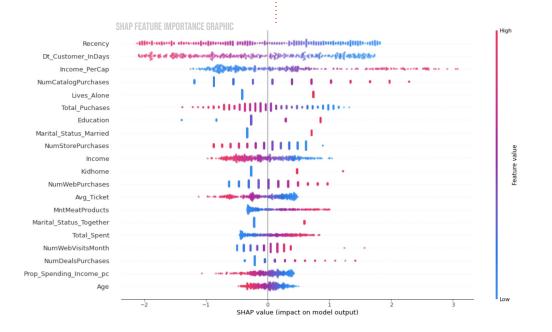
Data Analysis +
Domain Expertise

Metrics Definition Machine Learning

Feature Importante Target Definition

THE SOLUTION

THE TARGET



The **best target** customer is someone who purchased something from the company recently. It is also someone who might've joined the company recently. He/She has a high income (per cap), is very well educated, and tend to shop from catalog frequently. Live alone or is married (with kids), and sometimes likes to buy meat from the company's selling channels.

Device Price (per unit)

MU \$ 10.93

Campaign Cost

(per unit)

MU \$ 3.00

Profit

(per customer who buys)

MU \$ 5.78

Using sample size as exemple:

2,240 × 5.78 =

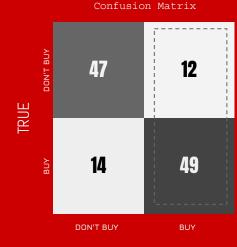
MU \$ 12,924.8

Expected gain for marketing for 30,000 customers:

MU \$ 173,395

Sample trial profit:

MU \$ -3,046



PREDICTED



POINTS OF ATTENTION TRECOMMENDATIONS

Data Integrity

MEETING WITH DATA ENG. TEAM

VALUE AND INFORMATIONAL POWER OF PRIMARY KEYS FOR DATA ANALYSIS

Sampling & Design of Experiments

MEETING WITH DATA + RESEARCH TEAM / IMPORTANCE OF RANDOM SAMPLING FOR STATISTICAL SIGNIFICANCE

Ambiguous Variables MEETING WITH DATA + RESEARCH TEAM /
- IMPORTANCE OF VARIABLE DEFINITION AND
CORRECT MEASUREMENT

Continuous Development MEETING WITH MLOPS TEAM /

IMPORTANCE OF MODEL CONTINUOUS

DEVELOPMENT

Thank You!