# Hatékony szolgáltatásajánlás ML alapokon

Predictive next best tariff offer



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## Introduction



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## Scope of the predictive next best tariff offer



### **Business Focus**





## Modeling Focus





## Variables



The **main goal** of the data preparation was to use not only the various account information, but the user activity and behaviors

**40%** of the variables used by the model were **behavior information** 

## Model selection







## Decision 1 – Category prediction



Customizable result

## Decision 2 – Tariff assignment

Handling continuous portfolio change





#### Problems

- Portfolio changes frequently
- The number and value of packages can also change
- Some customers are in a very old portfolio

#### Challenge

How can we handle problems without always having to build a new model



#### Solution

Cover portfolio with categories



#### **Benefits of the solution**

- The new portfolio can be assigned to categories immediately
- The category assignment can be changed at any time

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If the business goal is trasformed, recategorization may be enough, don't need to develop a new model



## Results

#### **Model Stability**







### MVP Results\* – Go Live







\*~10% margin of error

### MVP Results – Go Live







# Thank you!

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