

Personalized Pricing based on AI modeling of customer's behavior

Dmitry Volkov, Ph.D. CEO of RnD-42 LLC





Toll roads, parking



Car, Bike etc. sharing

WE PREDICT IN REAL-TIME PROBABILITY OF SERVICE USAGE FOR EACH CUSTOMER AND CALCULATE A DISCOUNT TO OFFER THE PRICE HE IS READY TO PAY NOW



For any paid resource there are a lot of potential customers that do not use the resource because of price



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For an idle resource (free parking place, toll road without traffic, etc.), almost any non-zero price becomes profit

Telecom



Not to lose revenue from current users, the reduced price should be offered only to customers who do not intend using the resource by normal price



#### Much more...



System requirements: anonymized orders' history for training ML models and a channel for personal offers delivery





We analyze the behavior of each specific user of a paid resource using machine learning



We know how to accurately find those who do not use because of the high price



We utilize the idle resource by attracting those who really care about the high costs with the help of personal prices



We guarantee an increase in both resource loading and revenue due to the high accuracy of models trained on big data



We use our cloud service to demonstrate the effectiveness of the technology on real clients in the form of a quick POC pilot

Pilot projects at intracity toll road, Saint Petersburg



Three A/B tests in 2019-2021

50 000 real customers

Proven growth in both traffic and revenue



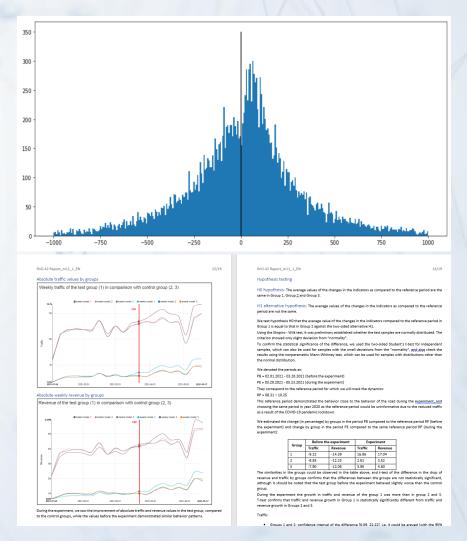
# + 4-6% traffic + 2-4% revenue

\* according to A/B test results http://rnd-42.com/whsd\_exp\_3



#### WE CONDUCT SEVERAL RESEARCHES AND TRY DIFFERENT MODELS DURING THE PILOT TO FIND THE BEST SOLUTION FOR EACH CONCRETE PROJECT

| What would you choose?<br>1 of 7                              |  |  |  |  |
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| ← TOLL <sup>9</sup> o 15 km 0 11 m<br>D 0.9L / 2kgCO2 14.20 € |  |  |  |  |
| 14 km 0 28 m   1.4L / 3kgCO2 1.4L / 3kgCO2 0.00 €             |  |  |  |  |





### OFTEN, BEFORE PERSONALIZATION YOU NEED TO OPTIMAZE YOUR BASE PRICING WE PROVIDE SPECIAL CLOUD SERVICE FOR PRICING OPTIMIZATION



## Smart Loyalty program for M11 Highway Moscow – Saint Petersburg



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Pricing Optimization Personalized Pricing

Proven growth in	both	traffic	and
revenue			

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RnD 121. KNOW THE QUESTION

RnD-42 LLC was founded in 2020, research company in the field of using artificial intelligence to predict user behavior and influence this behavior through personal pricing. The team consists of smart city scientists, mathematicians, programmers and marketing specialists.

Dmitry Volkov, Ph.D., Founder & CEO

more than 25 years in software industry, co-owner and development director of Onyma[®] software brand (Billing, CRM, and BPM, 80+ clients around the world). Architect of toll collection system used at most of the Russian highways (M3, M4, M11, WHSD). Looking for clients and partners to conduct pilot projects with service providers around the world to prove the "win-win" concept and then implement personalized pricing based on our products



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