

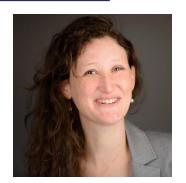






Customer Analytics: Introduction





Dr. Aurélie Lemmens

"Companies' focus has shifted away from product-centric approaches and mass marketing campaigns to customer-centric campaigns tailored to the needs and wants of each individual customer. Customer-centric campaigns target a well-chosen subset of customers, at a well-chosen time, and with a well-chosen incentive.

At their core, they require strong data analytics tools in order to be able to predict each customer's behavior and derive optimal marketing interventions."















Our lab hosts experts in the many facets of customer analytics, including customer acquisition, seeding strategies, referral marketing, recommender systems, customer lifetime value, network analysis, customer retention and personalization. Our members combine expertise in the psychological processes underlying consumer behavior and the analytics to understand them and optimize marketing interventions.

Our work is funded by the Dutch National Science foundation



















The Customer Analytics Lab: Overview



The Customer Analytics Lab has for ambition to be a force for positive impact on companies who share the desire to become or be more customer-centric.

To achieve this goal, the Customer Analytics Lab aims to:

- 1. Be a communication platform between academia and industry
- 2. Directly apply academic knowledge in business practice with the company partners

Our current company partners are active in many different industries, including:



And more...

Team // Research Interests



Aurélie Lemmens, Associate Professor and Director // customer lifetime value, personalized marketing, retention

Rodrigo Belo, Associate Professor // recommender system, field experiment, customer retention, referral program

Bram Van den Bergh, Associate Professor // targeting incentives and psychological mechanisms

Xi Chen, Associate Professor // seeding strategies and policy evaluation

Bas Donkers , Professor // marketing analytics, personalization

Martina Pocchiari, PhD Student // customer and brand communities, network analysis

The Path to Customer Centricity



"Customer centricity is a strategy that aligns a company's development/delivery of its products/services around the current and future needs of a select set of customers in order to maximize their long-term financial value to the firm."

Pete Fader, Wharton School of Business



Examples of Recent and Ongoing Projects



Customer Acquisition:

Referral Programs for Freemium Platforms

Uncovering the Importance of Relationship Characteristics in Seeding Strategies

Customer Development:

Setting defaults in sequential consumer choices

Targeting Donors to Increase Fundraising Effectiveness

Members' Engagement in Digitized Community Activities

Customer Retention:

Target Ego vs. Target the Group

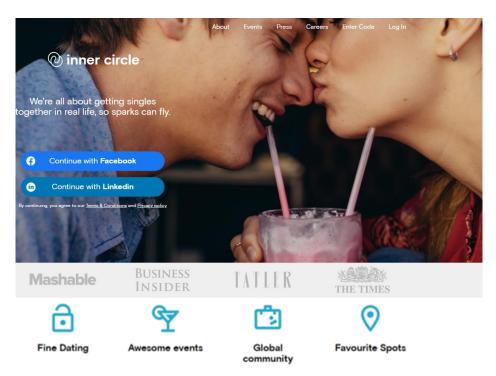
Managing Churn to Maximize Profits

Managing Customer Communities During Brand Crises

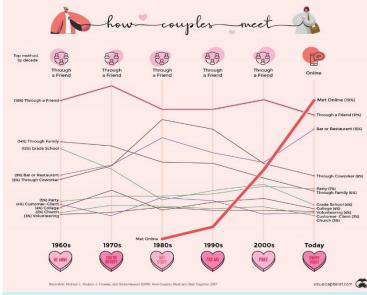
Customer Acquisition Project: Referral Programs











Role of Big Data in User Behavior Identification

Analyze consumer online behavior to improve user experience on digital platforms

- Personalization, customization, recommendation
- Referral programs, platform design

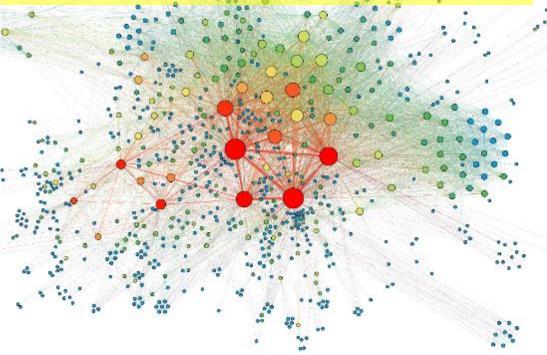
Customer Acquisition Project: Seeding Strategies

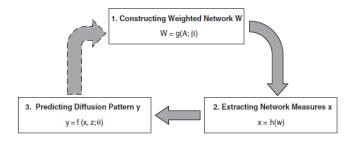


Traditional seeding strategies consider a simple 0-1 network

But social networks are complex

- Different tie strengths
- Different types of relationships





A new method of seeding strategies with complex social networks

The method improves the seeding strategies in an online social network improve by 31.29%

Customer Development Project: Defaults in Sequential Choice

105.792



Defaults are an important design element in many choice architectures

Known to *increase choice* of the selected option

Potentially *backfires* when used in a sequence of choices (e.g. product customization, holiday packages, multi-course meals)



leuren en wielen selecteren

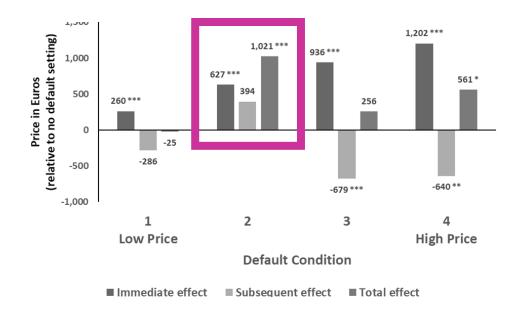
\$ 350 Blue TEC

Annkoopprijs af fabriek.

> Bereken uw maandlemijn

> Advies en aankoop

Wiet: 43.3 cm (19 inch) vijf-dubebipaals AMG LM-velgen, zonder tueslag



Application in car configurator:

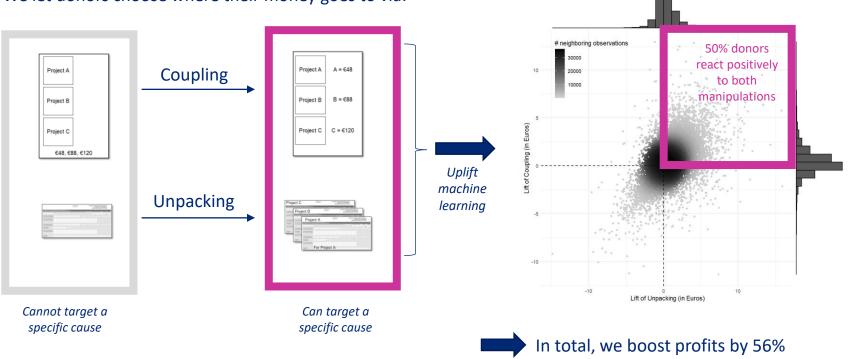
Default set with highest immediate effect (set 4) does not have highest total effect (set 2) on revenues

Customer Development Project: Offer Some Donors the Ability to Target their Gift



Collaboration with a charitable organization to boost fundraising

We let donors choose where their money goes to via:



Customer Development Project: Members' Engagement in Digitized Community Activities

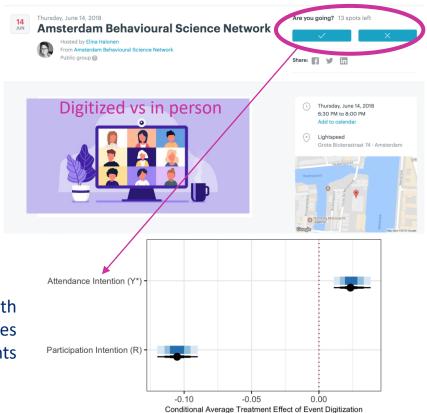


Customer Analytics

More and more brand communities organize digitized activities for their customers: webinars, webcasts, live conferences, digital Q&As, etc.

Using data from Meetup.com, we understand how shifting community events to digital formats affects members' participation behavior.

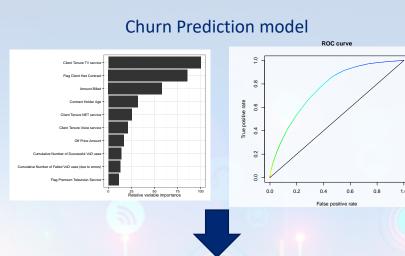
Increased event digitization affects both quantity and quality of members' responses to upcoming community events





Customer Analytics

Churn Prediction in a Large European Telecom Operator



CHURN PREDICTION

Proactive churn management decreases customer churn and improves customer NPV





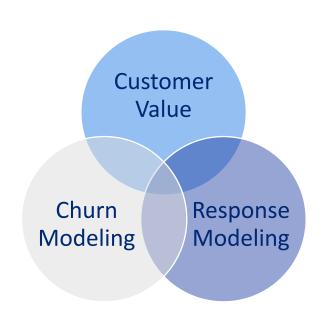


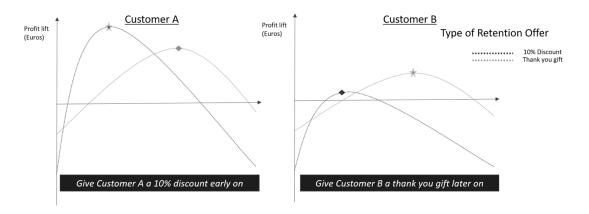
Socially-based proactive churn management can further decrease churn and increase customer NPV

Customer Retention Project: Campaign Profit Optimization



"The best offer at the best time for the right customer"





Maximizing Return on Retention Campaign



Customer Retention Project: Managing Customer Communities During Brand Crises



Analyzing data from over 400 brand communities in more than 20 market sectors, we uncover how customers leave or stay in their brand communities after corporate misbehavior.

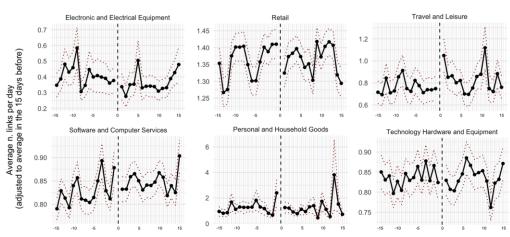
Corporate misbehavior changes customers' interactions in the community:

- Number of posts and comments
- Number of connections they make
- What kind of customers they choose to connect with (influential vs peripheral)

The gravity of the community's reaction to the negative events depends on:

- The brands' market sector
- The company's market share







Passion provides purpose, but data drives decisions

Dr. Aurélie Lemmens



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