

Honors Thesis Honors Program

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## Every Data Point Counts: Political Elections in the Age of Digital Analytics

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# Every Data Point Counts: Political Elections in the Age of Digital Analytics

A thesis submitted in partial satisfaction
of the requirements of the University Honors Program
of Loyola Marymount University

by

Julian Kehle
Samir Naimi (Faculty Mentor)
May 6, 2019

# Every Counts

 $\bigstar$  Political Elections in the Age of Digital Analytics  $\bigstar$ 



**Julian Kehle Mentored by Samir Naimi** 



Synthesizing the investigative research and cautionary messages from experts in the fields of technology, political science, and behavioral science, this project explores the ways in which digital analytics has begun to influence the American political arena. Historically, political parties have constructed systems to target voters and win elections. However, rapid changes in the field of technology (such as big data, artificial intelligence, and the prevalence of social media) threaten to undermine the integrity of elections themselves. Future political campaigns will utilize profiling to micro-target individuals in order to manipulate and persuade them with hyper-personalized political content. Most dangerously, the average American voter does not understand how these technologies will influence elections. This research project simplifies the complex technological and sociopolitical landscape in order to educate the public on the issue. Even more important than understanding the problem is arming people with practical solutions to combat this intimidating problem. Therefore, this project utilizes the language of visual design to turn something complex and intimidating into something approachable and empowering. This academic and creative contribution aims to ensure that American elections remain free and fair.



igstar Political Elections in the Age of Digital Analytics igstar

## Politicians no longer see you as a voter. You're a data point to them.

Your personality and emotions will be used against you as a political weapon. The future of political campaigning is hyper-personalized digital advertising that targets



## **Historical Precedent**





## **Psychographics**

## The Internet of Things

## AI-Generated Advertising

ial intelligence tools are being developed to automate riting and other parts of the advertising creative process, outer algorithm can generate thousands of variants of a single as



## A Prediction of the Near Future



1 Smart devices collect data on you

Your phone knows what you've been searching you greatly not you presonality

Political consulting firms use psychographics to predict your personality

You are shown machine-generated, hyper-personalized ads





## You vote (or you don't)







## **Imminent Attack on Democracy**

### No public debate



## Lack of accountability



### A different type of politician



## **What Can I Do?**

Understand the information that companies have collected on you and how it may be used to persuade you







Send an email to your Representative or Senator asking for updated federal election campaign laws

- 1 Advertising spending irregularities or misuses of personal data should be investigated
- 25
  - Calla pues.



## Support tech companies that are taking positive steps toward digital ethics

- Dedication to data security, data privacy, and the democratization of artificial intelligence
   Increasing transparency around social media advertising content and spending
- 3 Taking responsibility for the political information that is published on their social media platforms

## **Artificial Intelligence Meets Advertising**

Political candidates already collect thousands of data points on every voter. New artificial intelligence technologies will allow politicians to use personal data to create social media advertisements that are hyper-personalized to an individual's political views and prejudices.

Everything from the copy, the font, and the color scheme will be machine-generated to evoke a desired response from the recipient of the ad.

This is what it will look like:





Name: Karen Miller Age: 52 Political party affiliation: Democratic **Occupation:** Accountant Religion: Catholic Marital status: Married Annual income: \$85k





Name: Samuel Ramos Age: 31 Political party affiliation: Independent Occupation: Web developer Religion: Atheist Marital status: Unmarried Annual income: \$75k



Name: Ahmad Naser Age: 63 Political party affiliation: Republican Occupation: Psychiatrist Religion: Muslim Marital status: Divorced Annual income: \$190k





Name: Katie Lin Age: 24 Political party affiliation: Democratic Occupation: Product designer Religion: Buddhist

Marital status: Unmarried Annual income: \$65k







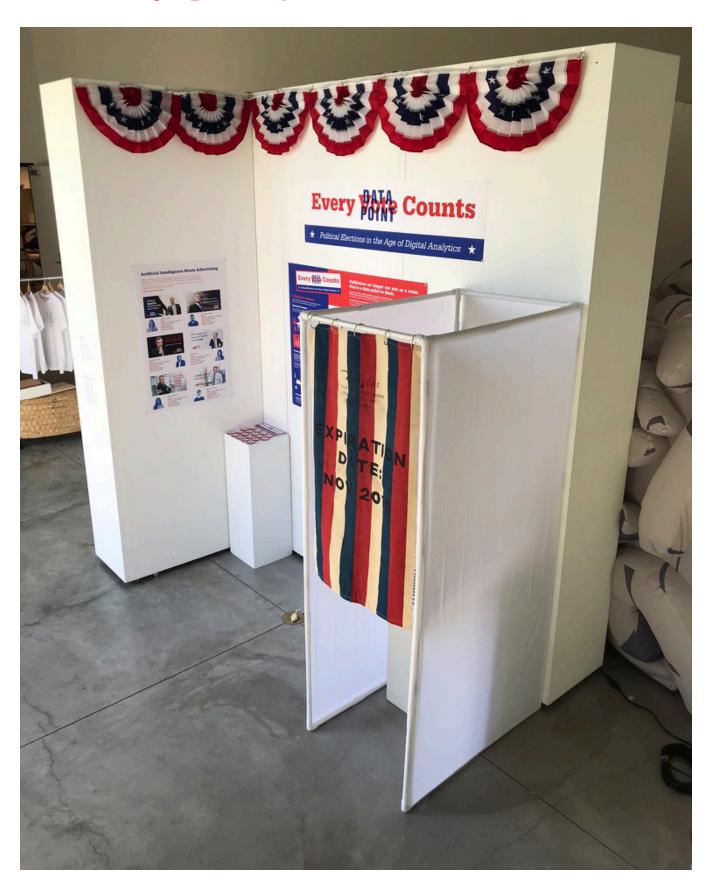
Name: Jasmine Aria Age: 36 Political party affiliation: Republican Occupation: Retail manager Religion: Atheist Marital status: Married Annual income: \$70k





Name: Tyler Bateman Age: 19 Political party affiliation: Democratic Occupation: Student Religion: Christian Marital status: Unmarried Annual income: N/A

## Exhibit at the Thomas P. Kelly Student Art Gallery (Presented at LMU's 11th Annual Undergraduate Research Symposium)



## **Interactive Component of the Exhibit**





