



Article

Cultural Differences in Tweeting about Drinking Across the US

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Abstract: Excessive alcohol use in the US contributes to over 88,000 deaths per year and costs over \$250 billion annually. While previous studies have shown that excessive alcohol use can be detected from general patterns of social media engagement, we characterized how drinking-specific language varies across regions and cultures in the US. From a database of 38 billion public tweets, we selected those mentioning “drunk”, found the words and phrases distinctive of drinking posts, and then clustered these into topics and sets of semantically related words. We identified geolocated “drunk” tweets and correlated their language with the prevalence of self-reported excessive alcohol consumption (Behavioral Risk Factor Surveillance System; BRFSS). We then identified linguistic markers associated with excessive drinking in different regions and cultural communities as identified by the American Community Project. “Drunk” tweet frequency (of the 3.3 million geolocated “drunk” tweets) correlated with excessive alcohol consumption at both the county and state levels ($r = 0.26$ and 0.45 , respectively, $p < 0.01$). Topic analyses revealed that excessive alcohol consumption was most correlated with references to drinking with friends ($r = 0.20$), family ($r = 0.15$), and driving under the influence ($r = 0.14$). Using the American Community Project classification, we found a number of cultural markers of drinking: religious communities had a high frequency of anti-drunk driving tweets, Hispanic centers discussed family members drinking, and college towns discussed sexual behavior. This study shows that Twitter can be used to explore the specific sociocultural contexts in which excessive alcohol use occurs within particular regions and communities. These findings can inform more targeted public health messaging and help to better understand cultural determinants of substance abuse.

Keywords: excessive drinking; social media; Twitter; natural language processing; American Communities Project

1. Introduction

Excessive alcohol consumption, including binge and heavy drinking, is responsible for approximately 88,000 deaths per year in the US, making it the third leading preventable cause of death and a major public health concern [1–3]. Binge drinking, generally defined as having five or

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Huangqi Zhang



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Social Media and the New Academic Environment: Pedagogical Challenges Pătruț, Bogdan, Pătruț, Monica, Cmeciu, Camelia, 2013-01-31 As web applications play a vital role in our society social media has emerged as an important tool in the creation and exchange of user generated content and social interaction The benefits of these services have entered in the educational areas to become new means by which scholars communicate collaborate and teach Social Media and the New Academic Environment Pedagogical Challenges provides relevant theoretical frameworks and the latest research on social media and its challenges in the educational context This book is essential for professionals aiming to improve their understanding of social media at different levels of education as well as researchers in the fields of e learning educational science information and communication sciences and much more Management Communication James S.

O'Rourke, 2019-04-18 This textbook introduces students to the strategic communication methods that are crucial to master in order to develop into effective and ethical managers at all levels of business Effective communication skills are necessary for success in the business world and O'Rourke has written a highly readable book filled with anecdotes and examples to engage students in the learning process This edition includes several classic and new features The strategic approach is integrated throughout the book allowing students to understand how a communicated message impacts the business as a whole Case studies throughout the book provide students with hands on experience of scenarios they will encounter in the real world The book includes at least three dozen fresh classroom tested cases An ethical thread is woven through the text demonstrating how ethical decision making can be applied in all aspects of communication Separate chapters on technology including social media intercultural communication nonverbal communication and conflict management provide students with the skills to building relationships and influencing stakeholders key skills for any manager A companion website includes comprehensive support material to teach this class making Management Communication a complete resource for students and instructors

Trump, Trudeau, Tweets, Truth Bill Fox, 2022-03-23 Media has long been considered a primary site for political discourse in Western liberal democracies but now with the advent of social media giant multinational digital platforms such as Google and online journalism the way we do politics talk politics and cover politics has completely transformed Trump Trudeau Tweets Truth considers the ways that technology has led to an irreversible transition in power distribution political journalism and public discourse Discussing how the military industrial complex of the 1950s gave way to today's celebrity distribution complex Bill Fox examines the amount of power accorded to people well known for being well known from Donald Trump to Justin Trudeau Taking on a Canadian perspective Fox addresses the disturbing cries of fake news in the post truth age and demonstrates how journalism no longer the domain of a select few political reporters and editors has become decentralized and disaggregated In a world that now plays out on mobile devices Trump Trudeau Tweets Truth seeks a path through the debris left behind by recent seismic shifts in political media and technology Social Media for

Communication and Instruction in Academic Libraries Joe, Jennifer, Knight, Elisabeth, 2019-03-01 The subject of the use of social media has renewed interest because of the impact that it had on the last U S presidential election and the impact that social media networks will have on subsequent elections As guides in the information world it is thus important that librarians be well versed in social media This has called attention to the relevance and urgency of incorporating social media use into the academic library both as a marketing tool and as an instruction tool Social Media for Communication and Instruction in Academic Libraries is an essential reference source that offers guidance in using social media in academic libraries and in instruction with a special emphasis on assessment and evidence based practice Featuring research on topics such as digital libraries marketing and web analytics this book is ideally designed for librarians administrators educators managers information technology specialists professionals researchers and students *Dying in America* Institute of Medicine, Committee on Approaching Death: Addressing Key End-of-Life Issues, 2015-03-19 For patients and their loved ones no care decisions are more profound than those made near the end of life Unfortunately the experience of dying in the United States is often characterized by fragmented care inadequate treatment of distressing symptoms frequent transitions among care settings and enormous care responsibilities for families According to this report the current health care system of rendering more intensive services than are necessary and desired by patients and the lack of coordination among programs increases risks to patients and creates avoidable burdens on them and their families Dying in America is a study of the current state of health care for persons of all ages who are nearing the end of life Death is not a strictly medical event Ideally health care for those nearing the end of life harmonizes with social psychological and spiritual support All people with advanced illnesses who may be approaching the end of life are entitled to access to high quality compassionate evidence based care consistent with their wishes Dying in America evaluates strategies to integrate care into a person and family centered team based framework and makes recommendations to create a system that coordinates care and supports and respects the choices of patients and their families The findings and recommendations of this report will address the needs of patients and their families and assist policy makers clinicians and their educational and credentialing bodies leaders of health care delivery and financing organizations researchers public and private funders religious and community leaders advocates of better care journalists and the public to provide the best care possible for people nearing the end of life *Water* Ewa Macura-Nnamdi, Tomasz Sikora, 2025-03-12 Drawing on some recent developments in the blue humanities this book addresses water as a material political and cultural phenomenon across a variety of spatial and temporal contexts Moving beyond the somewhat hackneyed concepts of fluidity and flows this volume gathers critical perspectives that balance between the scientific the social the bio political and the cultural The contributors to this book draw on a wide and rapidly growing body of scholarship that includes but is not limited to maritime climate change and Anthropocene studies as well as the blue humanities Three major broadly conceived currents of thought run through these essays the protean relationalities

that water enables appropriations of water in modernist logics of regulation and management and the problematic figurations of water in scientific philosophical cultural political and legal discourses Thematically the chapters address a wide range of phenomena events and concepts including Mediterranean migrant deaths water as a medium of not only human intimacy and queer potentiality swimming pools the 2000 Cochabamba water war the legacy of Grotius's legal philosophy imperialist and capitalist notions of property and ownership notions of purity and contamination hydroelectricity's impact on the perception of time the inadequacy of disciplinary knowledge and pedagogy and maternal figurations of water in some contemporary feminist theorizations This book will be of interest to scholars working at the intersection of broadly conceived cultural and water studies It can also be used as a coursebook for teachers offering courses on the politics and aesthetics of water It was originally published as a special issue of *Angelaki*

The ethics of researching the far right Antonia Vaughan, Joan Braune, Meghan Tinsley, Aurelien Mondon, 2024-05-07 At a time when far radical and extreme right politics are becoming increasingly mainstream globally sometimes with deadly consequences research in these fields is essential to understand the most effective ways to combat these dangerous ideologies Yet engaging with texts and movements that do physical and verbal violence raises a number of urgent ethical issues Until recently this has remained understudied as scholarship on the far right rarely delves explicitly and critically into the ethics of research This book seeks to remedy this significant gap in an otherwise extensive and growing literature Originating from a workshop series in 2020 in which an international group of academics at various career stages shared the ethical challenges and best practices they had developed in their research this edited collection draws together insights from these ongoing conversations offering urgent critical reflections on key ethical issues

Leveraging Data Science for Global Health Leo Anthony Celi, Maimuna S. Majumder, Patricia Ordóñez, Juan Sebastian Osorio, Kenneth E. Paik, Melek Somai, 2020-07-31 This open access book explores ways to leverage information technology and machine learning to combat disease and promote health especially in resource constrained settings It focuses on digital disease surveillance through the application of machine learning to non traditional data sources Developing countries are uniquely prone to large scale emerging infectious disease outbreaks due to disruption of ecosystems civil unrest and poor healthcare infrastructure and without comprehensive surveillance delays in outbreak identification resource deployment and case management can be catastrophic In combination with context informed analytics students will learn how non traditional digital disease data sources including news media social media Google Trends and Google Street View can fill critical knowledge gaps and help inform on the ground decision making when formal surveillance systems are insufficient

Food and Social Media Signe Rousseau, 2012-06-14 Social media platforms have quickly become integral to most people's lives both privately and professionally This is the first book to illuminate the trend of relying on social media in the food world Engaging in social media is fun but it is also rapidly becoming the platform for self promotion and branding This entertaining narrative offers an historical account of the major changes brought about by the Internet and

also explores the polarities that underlie the challenges of adaptation including exclusivity versus democracy professionalism versus amateurism and business versus pleasure Loaded with insight into the current scene it discusses controversies such as celebrity chefs tweeting wars ethics and the accusations of plagiarizing of recipes and etiquette concerning the practice of photographing a meal to blog about it Food and Social Media will appeal to anyone with an interest in food and media as well as those who enjoy using any of the social media formats including blogs Yelp Facebook YouTube Twitter and more to participate in a digital food community

Social Drinking Giorgio Lolli,2011-10-01

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