**APS Big Data Panel Bios:**

**Nick Beauchamp** is an Assistant Professor at Northeastern University in the Department of Political Science, and a core faculty member of the Network Science Institute and the NULab for Text, Maps and Networks. His research uses techniques from machine learning, automated text analysis, and network analysis to examine how discussion, argument and deliberation affect political opinion in domains such as legislatures, campaigns, the judiciary, and social media. Previous projects have used Twitter textual data to predict polls and elections, and modeled latent argument quality to predict debate winners. Recent work includes visualizing the rhetorical structures of political speeches, experimental designs for optimizing political advertisements, and the prediction of judicial decisions and ideologies. He is currently working on a series of projects that model political deliberation online as the strategic exchange of ideas drawn from complex mental networks of interlinked beliefs. More information about his work can be found at nickbeauchamp.com.

**Kenny Joseph** is a postdoc at the LazerLab at the Network Science Institute at Northeastern University and a fellow at Harvard’s Institute for Quantitative Social Science. He completed his graduate work in the Societal Computing program in the School of Computer Science at Carnegie Mellon University. In July of 2018, he will join the Computer Science Department at the University of Buffalo. Kenny’s research focuses on obtaining a better understanding of the dynamics and cognitive representations of stereotypes and prejudice, and their interrelationships with sociocultural structure. In his work, he leverages a variety of machine learning/NLP methods, agent-based modeling strategies and socio-cognitive theories.

**Ryan Kling**, senior associate at Abt Associates, has an M.A. in economics from Boston College and is a doctoral candidate in public policy at the University of Massachusetts - Boston. He has eighteen years of experience programming in SAS, fifteen years of experience with Stata, a few years with R and a familiarity with a number of other specialized statistical programming software packages. His interest and expertise is to create and evaluating research questions using standard and novel data analysis techniques from surveys and administrative data. For example, Ryan recently completed a conceptualization of creating complete federal criminal justice system experiences using data from existing federal justice data systems, used successfully to evaluate differences in federal sentencing since 2006. Ryan has also described the experiences of offenders entering federal probation using administrative data from the U.S Courts and plain-text criminal history data. Ryan has also been estimated correlates and impacts of a large number of diverse programs, such as trends in drug use and testing of recent arrestees, a needle-exchange program to abate the spread of HIV in northern Vietnam, and a CMS demonstration program for bonus payments for activities related to certain types of emergency room admissions.
Kris-Stella Trump is a political psychologist with a research agenda focused on the behavioral and attitudinal consequences of public policy. She received her Ph.D. in Political Science from Harvard University in 2013, and also holds an M.Phil in European Politics from Oxford University and a B.A. in Social and Political Sciences from Cambridge University. In her research, she explores the relationship between public attitudes and variables like public policy, income inequality, and public spending. Her work has appeared in journals including The Journal of Politics and the British Journal of Political Science. At OES, Kris-Stella leads a suite of projects on vaccine uptake. Developed in collaboration with the National Vaccine Program Office, and implemented together with field partners, these projects test communications intended to increase immunization rates. Prior to joining OES, Kris-Stella was a College Fellow in political psychology at Harvard University, and worked as a research associate at IMPAQ, Int.