

Christopher Antoun

Contact Information

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University of Maryland
College Park, MD 20742
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Current Appointment

Assistant Research Professor, College of Information Studies (iSchool) and Joint Program in Survey Methodology (JPSM), University of Maryland, College Park

Education

Ph.D. 2015 University of Michigan. Survey Methodology
M.S. 2011 University of Michigan. Survey Methodology
B.A. 2004 University of Virginia. Economics; Political Theory
2002 Augsburg College. Multi-country study abroad in Central America

Professional Employment

2018 – present Assistant Research Professor, JPSM and iSchool, University of Maryland
2017 – 2018 Lecturer, JPSM and iSchool, University of Maryland
2015 – 2017 Postdoctoral Research Fellow, U.S. Census Bureau
2011 – 2015 Research Assistant, Institute for Social Research, University of Michigan
2009 – 2011 Research Assistant, Survey Research Operations, University of Michigan
2007 – 2009 Startup Operations Manager, Home Helpers, Richmond, VA
2005 – 2007 Peace Corps Volunteer, Sakon Nakhon, Thailand

Adjunct Appointments, Affiliations

2019 – present Faculty Associate, Maryland Population Research Center, University of Maryland, College Park
2017 – present Adjunct Research Assistant Professor, Institute for Social Research, University of Michigan, Ann Arbor

Grants - Active

2020, PI, “Modernizing NCSES Data Collection Approaches” in a collaboration with researchers from the University of Michigan (James Wagner and Brady West). NSF-NCSES, \$205,000.

2020, PI, “Establishing an International Network for Food Acquisition and Purchase Surveys”. USDA-Agricultural Research Service, \$150,000.

2020, Co-I, “Inclusive Public Transit Toolkit to Assess Quality of Service Across Socioeconomic Status in Baltimore City”, Vanessa Frias-Martinez, PI. NSF, Award No. 303376, \$5,072,078

2020, Co-I, “Collaborative Research: Impacts of Hard/Soft Skills on STEM Workforce Trajectories”, David Feldon, PI. NSF, Award No. 1956114, \$1,489,540

2018, PI, “Big Data in Immigration Research”. Collaborating with the University of Mannheim to teach a shared project-based graduate course. Global Classrooms Initiative Grant \$10,000

Grants - Completed

2018, “UMD Data Challenge: Data Integration and the Community”. UMD Year of Data Science Grant \$10,000

2018, “UMD-ASA DataFest DC Summit”. UMD Year of Data Science Grant \$3,000

2014, Daniel Katz Dissertation Fellowship in Psychology and Survey Methodology \$20,000

2014, Rackham Graduate Student Research Grant \$2000

2013, SEARCH Grant from the Institute for Social Research and James N. Morgan Fund for New Directions in Analysis of Complex Interactions \$15,000

2012, “Exploring the Dimensionality of Sensitive Survey Questions”, Rackham Graduate Student Research Grant \$1425

2006, President’s Emergency Plan for AIDS Relief (PEPFAR) Grant to conduct health trainings as Peace Corps Volunteer \$6300

Refereed Journal Articles and Book Chapters

Hubbard, F. A., Conrad, F. G., & **Antoun, C.**, (in press). Do the Benefits of Conversational Interviewing Depend on Who Asks the Questions and the Types of Questions They Ask. *Survey Research Methods*.

Falcone, B., **Antoun, C.**, Nichols, E., Olmsted-Hawala, E., Figueroa, I., Rivas, A., Feuer, S., & Wang, L. (2020). Typographic Cueing Facilitates Survey Completion on a Smartphone in Older Adults. *Survey Practice*.

Antoun, C. (2020). Open vs. Closed Survey Questions. *SAGE Research Methods Foundations: An Encyclopedia*. SAGE Publishing.

Schober, M. F., Conrad, F. G., **Antoun, C.**, Bowers, A. W., Hupp, A. L., & Yan, H. Y. (2020). Interacting with Interviewers in Text and Voice Interviews on Smartphones. In Interviewer Effects from a Total Survey Error Perspective.

Antoun, C., Nichols, E., Olmsted-Hawala, E., & Wang, L. (2020). Using Buttons as Response Options in Mobile Web Surveys. *Survey Practice*. Available here: <https://www.surveypractice.org/article/11763-using-buttons-as-response-options-in-mobile-web-surveys>

Keusch, F., Struminskaya, B., **Antoun, C.**, Couper, M. P., & Kreuter, F. (2019). Willingness to Participate in Passive Mobile Data Collection. *Public Opinion Quarterly*.

Zhang, C., **Antoun, C.**, Yan, Y., & Conrad, F. G. (2019). Professional Respondents in Opt-in Online Panels: What Do We Really Know?. *Social Science Computer Review*.

Antoun, C., & Cernat, A. (2019). Factors Affecting Completion Times: A Comparative Analysis of Smartphone and PC Web Surveys. *Social Science Computer Review*.

Antoun, C., Conrad, F., Couper, M., & West, B. (2019). Simultaneous Estimation of Multiple Sources of Error in a Smartphone-based Survey. *Journal of Survey Statistics and Methodology*, 7(1), 93-117.

Parikh, S., Taubman, D., **Antoun, C.**, Cranford, J., Ewell Foster, C., Grambeau, M., Hunter, J., Jester, J., Konz, K., Meyer, T., Salazar, S., & Greden, J. (2018). The Michigan Peer-to-Peer Depression Awareness Program: School-Based Prevention to Address Depression Among Teens. *Psychiatric Services*, 69(4), 487-491.

Antoun, C., Katz, J., Argueta, J. & Wang L. (2017). Design Heuristics for Effective Smartphone Questionnaires. *Social Science Computer Review*, 36(5), 557-574.

Antoun, C., Couper, M.P., & Conrad, F. G. (2017). Effects of Mobile versus PC Web on Survey Response Quality: a Crossover Experiment in a Probability Web Panel. *Public Opinion Quarterly*. 81(S1), 280-306.

Conrad, F. G., Schober, M. F., **Antoun, C.**, Yan, H. Y., Hupp, A. L., Johnston, M., Ehlen, P., Vickers, L., & Zhang, C. (2017). Benefits of respondent mode choice in a smartphone survey. *Public Opinion Quarterly*. 81(S1), 307-337.

Couper, M.P., **Antoun, C.**, & Mavletova, A. (2017). Mobile Web Surveys: A Total Survey Error Perspective. In P. Biemer, S. Eckman, B. Edwards, E. de Leeuw, F. Kreuter, L. Lyberg, C. Tucker, and B. West (eds.), *Total Survey Error in Practice*. New York: Wiley, pp. 133-154.

- Conrad, F.G., Schober, M.F., **Antoun, C.** Hupp, A.L., & Yan, H. Y. (2017). Text Interviews on Mobile Devices. In P. Biemer, S. Eckman, B. Edwards, E. de Leeuw, F. Kreuter, L. Lyberg, C. Tucker, and B. West (eds.), *Total Survey Error in Practice*. New York: Wiley, pp. 299-318.
- Antoun, C.**, Zhang, C., Conrad, F.G., & Schober, M.F. (2016). Comparisons of Online Recruitment Strategies for Convenience Samples: Craigslist, Google AdWords, Facebook and Amazon Mechanical Turk. *Field Methods*. 28(3), 231-246.
- Antoun, C.** (2015). Who Are the Internet Users, Mobile Internet Users, and Mobile-Mostly Internet Users?: Demographic Differences across Internet-Use Subgroups in the U.S. In Toninelli, D *et al.* *Mobile Research Methods: Opportunities and challenges of mobile research methodologies*. London: Ubiquity Press. DOI: <http://dx.doi.org/10.5334/bar>
- Schober, M.F., Conrad, F.G., **Antoun, C.**, Ehlen, P., Fail, S. Hupp, A.L., Johnston, M., Vickers, L., Yan, H.Y., & Zhang, C. (2015). Precision and Disclosure in Text and Voice Interviews on Smartphones. *PLoS ONE* 10(6): e0128337.
doi:10.1371/journal.pone.0128337
- Guidelines for Best Practice in Cross-Cultural Surveys. (2010). Ann Arbor, MI: Survey Research Center, Institute for Social Research, University of Michigan. Retrieved from <http://www.ccsr.isr.umich.edu/>. (1) *Ethical Considerations in Surveys*. Alcer, K., **Antoun, C.**, Bowers, A., Clemens, J., & Lien C. (2) *Study, Organizational, and Operational Structure*. Orłowski, R. A. & **Antoun, C.**; and (3) *Tenders, Bids, and Contracts*. Orłowski, R. A. & **Antoun, C.**

Peer-Reviewed Conference Proceedings

- Olmsted-Hawala, E., Nichols, E., Falcone, B., Figueroa, I., **Antoun, C.**, Wang, L. (2018). Optimal Data Entry Designs in Mobile Web Surveys for Older Adults. In *International Conference on Human Aspects of IT for the Aged Population*, pp. 335-354.
- Wang, L., **Antoun, C.**, Sanders, R., Nichols, E., Olmsted Hawala, E.L., Falcone, B., Figueroa, I., & Katz, J. (2017). Experimentation for developing evidence-based UI standards of mobile survey questionnaires. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems*, pp. 2998-3004.
- Johnston, M., Ehlen, P., Conrad, F.G., Schober, M.F., **Antoun, C.**, Fail, S., Hupp, A., Vickers, L., Yan, H., & Zhang, C. (2013). Spoken dialog systems for automated survey interviewing. In *Proceedings of the SIGDLAL 2013 Conference*, pp. 329-333.

Professional Presentations

- Antoun, C. & Presser, S. (2020). *Asking open questions: The impact of data collection mode*. Paper presented at the American Association of Public Opinion Research (AAPOR) annual conference, Online.
- Antoun, C. & Wenz, A. (2020). *Patterns of non-adherence in sensor measurement*. Paper presented at the American Association of Public Opinion Research (AAPOR) annual conference, Online.
- Antoun, C. & Keusch, F. (2019). *Mobile Web surveys. General overview and questionnaire design considerations*. Portal training session at the American Association of Public Opinion Research (AAPOR) annual conference, Toronto, Canada.
- Antoun, C. & Bapna, V. (2019). *Extracting meaning from passively collected app information*. Paper presented at the Mobile Apps and Sensors Symposium (MASS), Mannheim, Germany.
- Wang, L., Antoun, C., Sanders, R., Nichols, E., Olmsted-Hawala, E., Falcone, B., Figueroa, I., Katz, J., & Rivas, A. (2018). *Evidence-based standards and guidelines for mobile survey instrument design*. Paper presented at the Federal Committee on Statistical Methodology Conference, Washington, D.C.
- Broome, J., Antoun, C. & Evans, R. (2017). *Applying usability features of popular apps to mobile surveys*. Paper presented at the 7th Conference of the European Survey Research Association (ESRA), Lisbon, Portugal.
- Wang, L., Antoun, C., Sanders, R., Nichols, E., Olmsted-Hawala, E., Falcone, B. & Figueroa, I. (2017). *Development of standards and guidelines for mobile survey instruments*. Paper presented at the 7th Conference of the European Survey Research Association (ESRA), Lisbon, Portugal.
- Antoun, C., Bauman, K., File, T., & Miller, P. V. (2017). *Are those who misreport voting given more weight in nonresponse adjustments?*. Paper presented at the International Total Survey Error Workshop, Nuremberg, Germany.
- Antoun, C. (2017). *Designing response options for touch in mobile surveys*. Paper presented at the American Association of Public Opinion Research (AAPOR) annual conference, New Orleans, LA.
- Keusch, F., Antoun, C. Couper, M. P., Kreuter, F., & Struminskaya, B. (2017). *Willingness to participate in passive mobile data collection*. Paper presented at the AAPOR annual conference, New Orleans, LA.
- E. Olmsted-Hawala, C. Antoun, B. Falcone, R. Keegan, I. Figueroa, E. Nichols, J. Katz, M. Davis, & L. Wang. (2017). *Incorporating iterative usability evaluation into the lifecycle of designing and developing an online household survey*. Paper presented at the FedCASIC annual conference, Washington, D.C.

- Antoun, C. & Cernat, A. (2016). *Exploring why Web surveys take longer to complete on smartphones than PCs: findings from a within-subjects experiment*. Paper presented at the AAPOR annual conference, Austin, TX.
- Bapna, V. & Antoun, C. (2016). *Embedding survey questions within non-research apps: A method for collecting high-quality data from smartphone users?* Paper presented at the AAPOR annual conference, Austin, TX.
- Antoun, C. (2015). *Decomposing mobile versus PC Web mode effects in a probability Web panel*. Paper presented at the Joint Statistical Meetings (JSM), Seattle, WA.
- Traugott, M. & Antoun, C. (2015). *An experiment in open end response quality in relation to text box length in a Web survey*. Paper presented at the 6th Conference of the European Survey Research Association (ESRA), Reykjavik, Iceland.
- Antoun, C. (2015). *Effects of mobile versus PC Web on survey response quality: a crossover experiment in a probability Web panel*. Paper presented at the AAPOR annual conference, Hollywood, FL. Presented at the 6th Conference of the European Survey Research Association (ESRA), Reykjavik, Iceland.
- Antoun, C., Couper, M. P., & Conrad, F. G. (2014). *Comparing errors from non-coverage to other errors in a mobile Web survey*. Paper presented at the 7th International Web Survey Workshop, Bolzano, Italy
- Antoun, C. & Couper, M. P. (2014). *Comparing errors from non-coverage to other errors in a mobile Web survey*. Paper presented at the 8th International Total Survey Error Workshop, Washington, D.C.
- Antoun, C. (2014). *Nonresponse in a mobile-Web survey: a first look at the causes and the performance of different predictive models*. Paper presented at the AAPOR annual conference, Anaheim, CA.
- Zhang, C., Antoun, C., Yan, H., Conrad, F.G., Tourangeau, R., & Couper, M.P. (2014). *Characteristics and behaviors of professional respondents in online opt-in panels*. Paper presented at the AAPOR annual conference, Anaheim, CA.
- Conrad, F.G., Schober, M.F., Antoun, C., Hupp, A.L., & Yan, H. (2014). *Interviewing by texting: costs, efficiency and data quality*. Paper presented at the AAPOR annual conference, Anaheim, CA.
- Antoun, C. (2014). *Predicting participation in a mobile-Web survey*. Poster presented at the 7th Michigan Student Symposium for Interdisciplinary Statistical Sciences, Ann Arbor, MI.
- Antoun, C. & Couper, M. P. (2013). *Mobile-mostly Internet users and selection bias in traditional Web surveys*. Paper presented at the Midwestern Association for Public Opinion Research Conference, Chicago, IL.

- Antoun, C. (2013). *Identifying the dimensions of question sensitivity: A multidimensional scaling study*. Paper presented at the AAPOR annual conference, Boston, MA.
- Conrad, F.G., Schober, M.F., Zhang, C., Yan, H., Vickers, L., Johnston, M., Hupp, A. L., Hemingway, L., Fail, S., Ehlen, P., & Antoun, C. (2013). *Mode choice on an iPhone increases survey data quality*. Paper presented at the AAPOR annual conference, Boston, MA.
- Schober, M.F., Conrad, F.G., Antoun, C., Bowers, A., Hupp, A., & Yan Y. (2013). *Conversational interaction and survey data quality in SMS text*. Paper presented at the AAPOR annual conference, Boston, MA.
- Antoun, C., Zhang, C., Conrad, F.G., & Schober, M.F. (2013). *Comparisons of online recruitment strategies: Craigslist, Google Ads and Amazon's Mechanical Turk*. Poster Presented at the AAPOR annual conference, Boston, MA.
- Johnston M., Ehlen, P., Conrad, F.G., Schober, M.F., Antoun, C., Fail, S., Hupp, A., Vickers, L., Yan, H., & Zhang, C. (2013). *Reducing survey error in a mobile speech-IVR system*. Methodological Brief Presented at the AAPOR annual conference, Boston, MA.
- Antoun, C. (2012). *Exploring the dimensionality of sensitive survey questions*. Paper presented at the Midwestern Association for Public Opinion Research Conference, Chicago, IL.
- Hubbard, F., Antoun, C., & Conrad, F.G. (2012) *Conversational interviewing and the comprehension of opinion questions*. Paper presented at the RC33 Conference on Social Science Methodology, Sydney, Australia.
- Antoun, C. (2012). *The utility of interviewer ratings about survey data quality*. Paper presented at the AAPOR annual conference, Orlando, FL.
- Schober, M.F., Conrad, F.G., Antoun, C., Carroll, D., Ehlen, P., Fail, S., Hupp, A.L., Johnston, M., Kellner, C., Nichols, K., Percifield, L., Vickers, L., Yan, H., & Zhang, C. (2012). *Disclosure and quality of answers in text and voice interviews on iPhones*. Paper presented at the AAPOR annual conference, Orlando, FL.
- Hubbard, F., Antoun, C., & Conrad, F.G. (2012) *Conversational interviewing and the comprehension of opinion questions*. Paper presented at the AAPOR annual conference, Orlando, FL.
- Antoun, C. (2011). *Interviewer ratings of respondents who changed their answers about sex partners*. Paper presented at the Midwestern Association for Public Opinion Research Conference, Chicago, IL.
- Bowers, A., Orłowski, R. A., Lee, H. J., & Antoun, C. (2010). *Understanding the effect of job satisfaction moderated by job involvement on interviewer turnover*. Paper presented at the Joint Statistical Meetings in Vancouver, British Columbia.

Invited Presentations and Panels

Webinar for the Association for Public Opinion Research. *Design Considerations for Mobile Web Surveys*. November 19, 2020.

Panel Discussion hosted by the University of Maryland Alumni Association. *Understanding Election Polling*. October 7, 2020.

Led roundtable discussion at the Joint Statistical Meetings. *Let Scaling Up Smartphone Data Collection: Can It Work?* August 6, 2020.

Mobile web surveys: General overview and questionnaire design considerations. Presented at the Weekly Research Seminar for Junior Fellows in the Joint Program in Survey Methodology (JPSM), College Park, MD. June, 2019.

Panel Discussion at a Measurement and Methods Meeting hosted by the Poverty Action Lab, Northwestern University, Evanston, IL. March, 2019.

Total Survey Error Framework. Lecture to Delegation from National Bureau of Statistics of China (NBS) hosted by the United States-China Exchange Council (USCEC), College Park, MD. September, 2018.

Questionnaire design considerations for smartphone surveys. Presented at the Weekly Research Seminar for Junior Fellows in the Joint Program in Survey Methodology (JPSM), College Park, MD. July 2018.

Voting misreporting and nonresponse weighting adjustments. Current Population Survey (CPS) Forum on Measuring Voter Turnout, U.S. Census Bureau, Washington, DC. July, 2018.

Effects of mobile versus PC Web on survey response quality: A crossover experiment in a probability web panel. DC-AAPOR Public Opinion Quarterly Special Issue Conference, Washington, DC. March, 2018.

Error considerations in mobile Web surveys. Pew Research Center, Washington, DC. February, 2016.

A look at the causes of nonresponse in a mobile-Web survey. WebDataNet Conference on Mobile Research, Larnaca, Cyprus. March, 2014.

General Interviewing Techniques. Henry Ford Health System Interviewer Workshop, Detroit, MI. November 2013.

Mobile-Web surveys: a first look at noncoverage, nonresponse, and measurement error. Sponsor's Executive Briefing for Michigan Program in Survey Methodology, Ann Arbor, MI. October, 2013.

Honors and Awards

2015	AAPOR Seymour Sudman Student Paper Competition Winner
2014	Student Travel Award, International Total Survey Error Workshop
2015, 2014, 2013, 2011	Rackham Travel Grant, conference travel expenses
2014	Best Poster Award from the Michigan Student Symposium for Interdisciplinary Statistical Sciences
2014, 2013, 2012	Program in Survey Methodology Travel Award, conference expenses
2013	“Nonresponse and Measurement Error in Mobile Web Surveys,” <i>CentERdata Institute for Data Collection, Tilburg University, Netherlands</i> (Approved research proposal)
2011 – 2012	Angus Campbell Graduate Fellowship for doctoral study at the University of Michigan, full tuition and stipend
2011	Student Paper Award from the Midwestern Association for Public Opinion Research (Honorable Mention)
2009 – 2011	Survey Research Operations Traineeship for Master’s coursework at the University of Michigan, full tuition and stipend for two years

Teaching Experience

(UMD = University of Maryland; U-M = University of Michigan; * = graduate course)

Instructor:

Fundamentals of Data Collection I* (Fall 2019; Fall 2020; UMD/U-M joint course)

Fundamentals of Data Collection II* (Spring 2020; UMD/U-M joint course)

Design and Implementation of Web Surveys (Spring 2020; UMD/U-M joint course)

Total Survey Error/Quality* (Fall 2017, Fall 2018, Fall 2019; Fall 2020; UMD/U-M joint course)

Data Analytics for Information Scientists* (Spring 2018; UMD)

Data Collection Methods* (Fall 2017, Fall 2018; UMD Online)

Decision Making for Information Science (Fall 2017, Spring 2018; UMD. Fall 2018; Spring 2019, Fall 2019, Spring 2020; Fall 2020; UMD Online)

Big Data in Immigration Research* (Spring 2019, Spring 2020; UMD)

Teaching Assistant:

Inference from Experimental & Non-Experimental Research Studies* (Summer 2015; U-M)

Introduction to Statistical Principles and Data Analysis* (Summer 2014, Summer 2015; U-M)

Questionnaire Design* (Summer 2011, Summer 2012; U-M)

Data Collection Methods* (Summer 2014, U-M)

Data Collection: Online, Telephone and Face-to-face (Fall 2016 – Spring 2017, Coursera)

Consulting

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| 2013 – 2014 | Questionnaire design for study to assess effectiveness of Peer to Peer Depression Awareness Campaign, conducted by the University of Michigan Depression Center |
| 2012 – 2013 | Questionnaire design for study on dental appointment noncompliance, conducted by University of Michigan (Public Policy Practicum) & University of Detroit-Mercy (School of Dentistry) |
| 2012 | Web survey programming in Qualtrics for study on M-Cubed Program, University of Michigan, Ann Arbor, MI |

Professional Service

Editorial Activities

Associate Editor, Journal of Survey Statistics and Methodology, 2020 – present

Offices and Committees Memberships for Professional Organizations:

Advisory Board for International Program in Survey and Data Science, 2018 – present

Chair of Website Subcommittee for AAPOR, 2018 – 2020

Communications Committee for AAPOR, 2017 – 2020

Campus Service

Director of Graduate Studies for JSPM, 2020 – present

Graduate Admissions Committee for JSPM, 2018 – present

Social Data Science Center Committee for UMD iSchool, 2019 – 2020

Steering Committee for UMD Year of Data Science, 2017 – 2019

Diversity Committee for UMD iSchool, 2018 – 2019

Bachelor of Science in Information Science (BSIS) Undergraduate Committee for UMD iSchool, 2017 – 2018

Manuscript reviewer:

Behavior Research Methods

Educational and Psychological Measurement

The European Journal of Social Science Research

Field Methods
International Journal of Public Opinion Research
Journal of Official Statistics
Journal of Survey Statistics and Methodology
Methods, Data, Analyses
Population and Environment
Public Opinion Quarterly
Social Science Computer Review
Statistical Journal of the IAOS
Survey Methodology
Survey Research Methods: Insights from the Field

Abstract reviewer:

AAPOR conference (2015, 2019, 2020)
General Online Research (GOR) conference (2018, 2019)

Conference moderator/discussant:

AAPOR conference (2014, 2016, 2020)
MAPOR conference (2013)

Other service

Volunteer, BSOS Buddies program, 2020 – present
Conversation Circles group leader, English Language Institute, University of Michigan, 2013
Volunteer, Big Brothers Big Sisters, Richmond, VA, 2008
Founder, Students Promoting Fair Trade, University of Virginia, 2003

Professional Organizations/Affiliations

2020 – present	Associate in UMD Social Data Science (SoDa) Center
2018 – present	Global Classrooms Initiative Fellow for UMD Office of International Affairs
2016 – present	DC Association for Public Opinion Research (member)
2014 – present	European Survey Research Association (member)
2013 – present	American Statistical Association (member)
2009 – present	American Association for Public Opinion Research (member)

2009 – 2015 Midwestern Association for Public Opinion Research (member)

Professional Training

Research Mentoring Course – University of Maryland, College of Behavioral and Social Sciences, 2018

Online Course Design – Faculty Learning Community, Teaching and Learning Transformation Center, University of Maryland, 2018