

Curriculum Vitae  
– October 4, 2018 –

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## EDUCATION

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**Ph.D., Social/Personality Psychology**, University of Texas at Austin, Dept. of Psychology, Austin, TX (2017)

- Advisor: James W. Pennebaker

**M.S., Social/Health Psychology**, North Dakota State University, Dept. of Psychology, Fargo, ND (2012)

- Advisor: Michael D. Robinson

**B.A., Psychology**, Indiana University–Purdue University Fort Wayne, Dept. of Psychology, Ft. Wayne, IN (2010)

- Advisor: Michelle Drouin

## POSITIONS

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**Postdoctoral Fellow / Researcher**, University of Texas at Austin (2017-present)

- Advisor: James W. Pennebaker
- Joint appointment – Dept. of Psychology / Project 2021

**Visiting Scholar / Researcher**

- Microsoft Research: Adaptive Systems and Interaction Group, Redmond, WA (Summer, 2018)
- Stony Brook University, Dept. of Computer Science (Summer, 2018)

## TEACHING EXPERIENCE

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**Lecturer**, North Dakota State University, Fargo, ND (Spring 2013)

- Introduction to Social Psychology

**Teaching Assistant**, North Dakota State University, Fargo, ND (Fall 2011)

- Personality Psychology (Course Instructor: Michael D. Robinson)

**Teaching Assistant**, Indiana University—Purdue University Fort Wayne, Ft. Wayne, IN, (2008-2009)

- Developmental Psychology (Course Instructor: Michelle Drouin)
- Introductory Psychology (Course Instructor: Darren H. Kaiser)

## **Methodological Workshops**

Boyd, R. L. (2018, June). *Foundations in Computerized Language Analysis Methods*. Invited workshop presented at The University of Alberta, Edmonton, Canada. Hosted by the 16<sup>th</sup> Annual International Conference on Language and Social Psychology.

Boyd, R. L. (2017, December). *Language Analysis in Action: How to Extract Psychological Insights from your Language Data*. Workshop presented at the University of Texas, El Paso. Hosted by the Department of Psychology and LAHDR.

Boyd, R. L., & Goodwin, M. S. (2016, May). *The Theory and Practice of Machine Learning in Psychology: The What, Why, and How of a Powerful Statistical Technique*. Workshop presented at the 28th Annual Conference for the Association for Psychological Science, Chicago, IL.

Boyd, R. L. (2014, October). *Language Analysis in Action: Theory and Practice in Content Coding, Topic Modeling, Machine Learning, and Big Data*. Hosted by the Leibniz-Institut für Wissensmedien at the University of Tübingen, Tübingen, Germany.

## **FUNDING, AWARDS, ETC.**

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### **Minor Awards / Funding**

- Honorarium, National Alliance on Mental Illness, 2016
- Machine Learning Sponsorship, Society of Multivariate Experimental Psychology, 2016
- Research Fellowship Award, The University of Texas at Austin, 2015
- Professional Development Scholarship, The University of Texas at Austin, 2015
- GS Travel Award, Society for Personality and Social Psychology, 2015

## **PRIMARY RESEARCH INTERESTS**

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### **Personality/Social Psychology**

- Social/Personality Processes
- Language and Personality
- Self, Self-regulation, and Self-concept
- Interpersonal Traits

### **Methods**

- Big Data and Psychology
- Automated Linguistic Analysis
- Statistics, Machine Learning, & Data Mining
- Psychological Forensics

## REPRESENTATIVE PUBLICATIONS

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- Boyd, R. L., & Pennebaker, J. W. (2017). Language-based personality: A new approach to personality in a digital world. *Current Opinion in Behavioral Sciences*, 18, 63-68.
- Stanton, A. M., Meston, C. M., & Boyd, R. L. (2017). Sexual self-schemas in the real world: Investigating the ecological validity of language-based markers of childhood sexual abuse. *Cyberpsychology, Behavior, and Social Networking*, 20(6), 382-388.
- Robinson, M. D., Boyd, R. L., & Persich, M. R. (2016). Dispositional anger and the resolution of the approach-avoidance conflict. *Emotion*, 16(6), 838-849.
- Boyd, R. L., & Pennebaker, J. W. (2015). Did Shakespeare write *Double Falsehood*? Identifying an individual's psychological signature with text analysis. *Psychological Science*, 26(5), 570-582.
- Boyd, R. L., Wilson, S. R., Pennebaker, J. W., Kosinski, M., Stillwell, D. J., & Mihalcea, R. (2015). Values in words: Using language to evaluate and understand personal values. *Proceedings of the Ninth International AAAI Conference on Web and Social Media*, 31-40.
- Fetterman, A. K., Boyd, R. L., & Robinson, M. D. (2015). Power versus affiliation in political ideology: Robust linguist evidence for distinct motivation-related signatures. *Personality and Social Psychology Bulletin*, 41(9), 1195-1206.

## FURTHER PUBLICATIONS

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- Ikizer, E. G. Ramirez-Esparza, N. & Boyd, R. L. (in press). #sendeanlat (#tellyourstory): Text analyses of tweets about sexual harassment experiences. *Sexuality Research and Social Policy*.
- Kilimnik, C. D., Boyd, R. L., Stanton, A. M., & Meston, C. M. (in press). Identification of nonconsensual sexual experiences and the sexual self-schemas of women: Implications for sexual functioning. *Archives of Sexual Behavior*.
- Caplan, J. E., Adams, K., & Boyd, R. L. (in press). Language and personality. In V. Zeigler-Hill & T. K. Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences (1st Edition, Vol. 1)*. Springer International Publishing.
- Boyd, R. L. (2018). Mental profile mapping: A psychological single-candidate authorship attribution method. *PLOS ONE*, 13(7), e0200588. <https://doi.org/10.1371/journal.pone.0200588>
- Blackburn, K. G., Yilmaz, G., & Boyd, R. L. (2018). Food for thought: Exploring how people think and talk about food online. *Appetite*, 123, 390-401.
- Drouin, M., Boyd, R. L., & Romanelli, M. G. (2018). Predicting recidivism among internet child sex sting offenders using psychological language analysis. *Cyberpsychology, Behavior, and Social Networking*, 21(2), 78-83.
- Boyd, R. L. (2017). Psychological text analysis in the digital humanities. In S. Hai-Jew (Ed.), *Data analytics in digital humanities* (pp. 161-189). New York: Springer International Publishing.

- Conway, L. G., III, Boyd, R. L., Dennehy, T. C., Mills, D. J., & Repke, M. A. (2017). Political behavior inside and outside the lab: Bringing political research to the real world. *Translational Issues in Psychological Science*, 3(3), 227-230.
- Drouin, M., Boyd, R. L., Hancock, J. T., & James, A. (2017). Linguistic analysis of chat transcripts from child predator undercover sex stings. *Journal of Forensic Psychiatry and Psychology*, 28(4), 437-457.
- Hawkins, R. C. II, & Boyd, R. L. (2017). Such stuff as dreams are made on: Dream language, LIWC norms, and personality correlates. *Dreaming*, 27(2), 102-121.
- Obschonka, M., Fisch, C., & Boyd, R. (2017). Using digital footprints in entrepreneurship research: A Twitter-based personality analysis of superstar entrepreneurs and managers. *Journal of Business Venturing Insights*, 8, 13-23.
- Penzel, I. B., Persich, M. R., Boyd, R. L., & Robinson, M. D. (2017). Linguistic evidence for the failure mindset as a predictor of lifespan longevity. *Annals of Behavioral Medicine*, 51(3), 348-355.
- Pulverman, C. S., Boyd, R. L., Stanton, A. M., & Meston, C. M. (2017). Changes in the sexual self-schema of women with a history of childhood sexual abuse following expressive writing treatment. *Psychological Trauma: Theory, Research, Practice, and Policy*, 9(2), 181-188.
- Robinson, M. D., Boyd, R. L., Fetterman, A. K., & Persich, M. R. (2017): The mind versus the body in political (and non-political) discourse: Linguistic evidence for an ideological signature in United States politics. *Journal of Language and Social Psychology*, 36(4), 438-461.
- Rodríguez-Arauz, G., Ramírez-Esparza, N., Pérez-Brena, N., & Boyd, R. L. (2017). Hablo Inglés y Español: Cultural self-schemas as a function of language. *Frontiers in Psychology*, 8:885, 1-15.
- Wendlandt, L., Mihalcea, R., Boyd, R. L., & Pennebaker, J. W. (2017). Multimodal analysis and prediction of latent user dimensions. In G. L. Ciampaglia, A. Mashhadi, & T. Yasseri (Eds.), *Social Informatics: 9th International Conference, SocInfo 2017*, Oxford, UK, September 13-15, 2017, Proceedings, Part I (pp. 323–340). Cham: Springer International Publishing.
- Wilson, S., Mihalcea, R., Boyd, R. L., & Pennebaker, J. (2016). Cultural influences on the measurement of personal values through words. *Proceedings of the 2016 AAAI Spring Symposium Series*, 314–317.
- Wilson, S. R., Mihalcea, R., Boyd, R. L., & Pennebaker, J. W. (2016). Disentangling topic models: A cross-cultural analysis of personal values through words. *Proceedings of 2016 EMNLP Workshop on Natural Language Processing and Computational Social Science*, 146-152.
- Boyd, R. L., & Pennebaker, J. W. (2015). A way with words: Using language for psychological science in the modern era. In C. Dimofte, C. Haugtvedt, & R. Yalch (Eds.), *Consumer psychology in a social media world* (pp. 222-236). New York City, NY, US: Routledge Publishers.
- Boyd, R. L., & Robinson, M. D. (2015). Not sugar and spice and everything nice: Name letter preferences as a predictor of daily antisocial behavior. *Self and Identity*, 14(2), 147-156.
- LeFebvre, L., LeFebvre, L., Blackburn, K., & Boyd, R. L. (2015). Student estimates of public speaking competency: The Meaning Extraction Method and video self-evaluation. *Communication Education*, 1-20. <http://dx.doi.org/10.1080/03634523.2015.1014384>
- Poldrack, R. A., Laumann, T., Frick, L., Koyejo, O., Gregory, B., ... Boyd, R. L., et al. (2015). Long-term neural, behavioral, and physiological phenotyping of a single human: The MyConnectome Project. *Nature Communications*, 6:8885. doi:10.1038/ncomms9885

- Robinson, M. D., Cassidy, D. M., Boyd, R. L., & Fetterman, A. K. (2015). The politics of time: Conservatives differentially reference the past and liberals differentially reference the future. *Journal of Applied Social Psychology, 45*(7), 391-399.
- Stanton, A. M., Boyd, R. L., Pulverman, C. S., & Meston, C. M. (2015). Determining women's sexual self-schemas through advanced computerized text analysis. *Child Abuse & Neglect, 46*, 78-88.
- Robinson, M. D., Boyd, R. L., & Fetterman, A. K. (2014). An emotional signature of political ideology: Evidence from two linguistic content-coding studies. *Personality and Individual Differences, 71*, 98-102.
- Robinson, M. D., Zabelina, D. L., Boyd, R. L., Bresin, K., & Ode, S. (2014). The self's symbolic role in implicit approach/avoidance: Movement time evidence. *The Journal of Social Psychology, 15*(4), 311-322.
- Boyd, R. L., Bresin, K., Ode, S., & Robinson, M. D. (2013). Cognitive egocentrism differentiates warm and cold people. *Journal of Research in Personality, 47*(1), 90-96.
- Bresin, K., Boyd, R. L., Ode, S., & Robinson, M. D. (2013). Egocentric perceptions of the environment in primary, but not secondary, psychopathy. *Cognitive Therapy and Research, 37*, 412-418.
- Robinson, M. D., Boyd, R. L., & Liu, T. (2013). Understanding personality and predicting outcomes: The utility of cognitive-behavioral probes of approach and avoidance motivation. *Emotion Review, 5*(3), 1-5.
- Robinson, M. D., Moeller, S. K., Buchholz, M. M., Boyd, R. L., & Troop-Gordon W. (2012). The regulatory benefits of high levels of affect perception accuracy: A process analysis of reactions to stressors in daily life. *Emotion, 12*(4), 785-795.
- Boyd, R. L., Robinson, M. D., & Fetterman, A. K. (2011). Miller (1944) revisited: Movement times in relation to approach and avoidance conflicts. *Journal of Experimental Social Psychology, 47*, 1192-1197.

### **Select Whitepapers / Technical Reports**

- Boyd, R. L., Spangher, A., Fourney, A., Nushi, B., Ranade, G., Pennebaker, J., & Horvitz, E. (2018). Characterizing the Internet Research Agency's social media operations during the 2016 U.S. presidential election using linguistic analyses. PsyArXiv. <https://doi.org/10.31234/osf.io/ajh2q>
- Boyd, R. L., & Pennebaker, J. W. (2016). Building a Personalized College Major Selection Web Page. *PsyArXiv*. <https://doi.org/10.31234/osf.io/grf9x>

## **SPEAKING AND PRESENTING**

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### **Chaired Symposia, etc.**

Boyd, R. L., & Pennebaker, J. W. (2019, February). The Psychology of Language. Preconference to be held at the annual meeting of the Society for Personality and Social Psychology, Portland, OR.

Boyd, R. L., & Pennebaker, J. W. (2018, March). The Psychology of Language. Preconference held at the annual meeting of the Society for Personality and Social Psychology, Atlanta, GA.

Jordan, K. N., & Boyd, R. L. (2017, May). When You're Wrong: The Current Science on How Opinions Change. Symposium held at the 29th Annual Conference for the Association for Psychological Science, Boston, MA.

Wang, W., & Boyd, R. L. (2016, April). Making Big Data Smart: Challenges in Measurement, Analysis, and Validity. Symposium held at the annual meeting of the Society for Industrial and Organizational Psychology, Anaheim, CA.

Lucas, G. M., & Boyd, R. L. (2016, January). Computational Mental Health. Symposium held at the annual meeting of the Society for Personality and Social Psychology, San Diego, CA.

### **Presentations Given at Conferences / Symposia**

- Association for Psychology Science
- Society of Experimental Social Psychology
- Society for Personality and Social Psychology
- Society for Industrial and Organizational Psychology
- AAAI Conference on Web and Social Media
- Interdisciplinary Network for Group Research
- Southwestern Psychological Association
- Strategic Management Society
- Annual International Conference on Computational Social Science
- International Society for the Study of Women's Sexual Health
- International Society for Traumatic Stress Studies
- International Communication Association
- AAAI Spring Symposium Series
- International Congress of Cognitive Psychotherapy
- Schizophrenia International Research Society

## **Invited Talks, Lectures, & Other Presentations**

- SPSP Psychology of Media and Technology Preconference, Invited Talk (2019)
- Federal Law Enforcement Training Center (FLETC), Glynco, GA, Invited Talk (2018)
- University of Zurich, Dept. of Psychology, Invited Colloquium Talk (2018)
- Complexity Science Hub, Vienna, Invited Research Talk (2018)
- University of Connecticut, Dept. of Psychology, Guest Lecture (2018)
- University of Texas at El Paso, Dept. of Psychology, Invited Colloquium Talk (2017)
- University of Utah, Dept. of Psychology, Guest Lecture (2017)
- SIOP Methods, Invited Talk (2017)
- University of Connecticut, Dept. of Psychology, Guest Lecture (2016)
- University of Michigan, Language and Information Technologies Lab, Invited Talk (2016)
- SPSP New Methods Preconference, Invited Talk (2016)
- SXSW, Austin Data, Invited Talk (2016)
- University of Southern California, SAIL Lab (Dept. of Computer Science), Invited Talk (2015)
- Northwestern University, SONIC Lab (Eng. & Comm.), Invited Colloquium Talk (2015)
- United States Army Research Institute, Fort Belvoir, VA, Research Talk (2014)
- University of California Los Angeles, Double Falsehood Conference, Invited Talk (2014)

## **PSYCHOLOGICAL SOFTWARE DEVELOPMENT**

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### **Major Software Releases**

Boyd, R. L. (2018). Transmogrieffier: Automated text translation (v0.85) [Software]. Available from <https://translate.ryanb.cc>

Boyd, R. L. (2018). EZPZTXT (v1.15) [Software]. Available from <https://ezpztxt.ryanb.cc>

Boyd, R. L. (2018). RIOTLite (v1.02) [Software]. Available from <https://riotlite.ryanb.cc>

Boyd, R. L. (2018). WELP: Word Embedding Likeness Perusal (v1.03) [Software]. Available from <https://welp.ryanb.cc>

Boyd, R. L. (2018). Contextualizer (Version 1.06) [Software]. Available from <https://context.ryanb.cc>

Boyd, R. L. (2018). TAPA: Textual Affective Properties Analyzer (v1.0.12) [Software]. Available from <https://tapa.ryanb.cc>

Boyd, R. L. (2018). MEH: Meaning Extraction Helper (Version 2.0.10) [Software]. Available from <https://meh.ryanb.cc>

Boyd, R. L. (2017). ConversSplitter Plus! (v1.01) [Software]. Available from <https://converssplitter.ryanb.cc>

Boyd, R. L. (2017). Repeatalizer (Version 1.03) [Software]. Available from <https://repeat.ryanb.cc>

Boyd, R. L. (2016). RIOT Scan: Recursive Inspection of Text Scanner (Version 2.0.21) [Software]. Available from <https://riot.ryanb.cc>

Pennebaker, J. W., Booth, R. J., Boyd, R. L., & Francis, M. E. (2015). Linguistic Inquiry and Word Count: LIWC2015. Austin, TX: Pennebaker Conglomerates ([www.LIWC.net](http://www.LIWC.net))

Boyd, R. L., Pennebaker, J. W., Blackburn, K., Ferrell, J. D., Malin, J. J., Cannava, K., & Seih, Y. (2014). DOCTR: Discovery of Conversational Text Redundance (Version 1.2.8) [Software]. Available from <https://doctr.ryanb.cc>

### **Minor Software Releases**

Boyd, R. L. (2018). POSTModern Part of Speech Tagger (Version 0.990) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). Senti-Gent: CoreNLP Sentiment Analysis (Version 0.85) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). VADER-Tots Sentiment Analysis (Version 0.92) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). TranscodeTXT (Version 1.01) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). ExamineTXT (Version 1.00) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). TextEmend (Version 1.00) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). KoToken: Korean Text Tokenizer (Version 0.91) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). ZhToken: Chinese Text Tokenizer (Version 0.65) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). Plug N Chug (Version 1.01) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2018). SlimCSV (Version 1.04) [Software]. Available from <https://toolbox.ryanb.cc>

Boyd, R. L. (2014). 2-Level MLM Generator for R (Version 1.1.7) [Software]. Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2014). Ye Olde Token Converter (Version 0.2.5) [Software]. Available from <http://riot.ryanb.cc/other-tools>

Boyd, R. L. (2013). LME Generator for R (Version 0.3.0 alpha) [Software]. Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2013). Multiple Linear Regression Generator for R (Version 1.0.0) [Software]. Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2013). Personality Scrubber (Version 1.4.2) [Software]. Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2013). SAS Multiple Regression Generator (Version 0.1.0 beta) [Software]. Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2013). StringSmooosh: An RGCALC Data Preparation Tool (Version 0.2 alpha) [Software]. Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2012). ConverSplitter. (Version 0.8.0 open beta) [Software]. Available from <http://riot.ryanb.cc/other-tools>

Boyd, R. L. (2012). Guided Write. (Version 1.1.0) [Software]. Available from <http://riot.ryanb.cc/other-tools>

Boyd, R. L. (2012). SAS MLM Generator (Version 0.7.0 beta) [Software]. Available from Available from <http://toolbox.ryanb.cc>

Boyd, R. L. (2012). SAS Repeated-Measures GLM Generator (Version 0.0.4 beta) [Software]. Available from <http://toolbox.ryanb.cc>

## **PROFESSIONAL COMMUNITY INVOLVEMENT**

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### **Professional Affiliations**

- American Psychological Association
- Society for Personality and Social Psychology
- Association for Psychological Science
- The Honor Society of Phi Kappa Phi
- Psi Chi, National Psychology Honor Society
- International Association of Language and Social Psychology
- SIGDAT

### **Committee Memberships**

- Empirical Methods in Natural Language Processing + Computational Social Science (EMNLP+CSS)
  - Programming Committee, 2017, 2018
- Conference and Labs of the Evaluation Forum: Early Risk Prediction on the Internet (CLEF eRisk)
  - Steering Committee, 2017
- International Conference on Computational Social Science (IC2S2)
  - Programming Committee, 2017
- Computational Mental Health Research Initiative
  - Committee Member, 2016

### **Publishing Community**

- **Editorial Work**
  - PLOS ONE
    - Academic Editor (2018-present)
  - Frontiers in Artificial Intelligence: Language and Computation
    - Review Editor (2018-present)

- Manning Publications
  - Technical Development Editor (2013-present)
  - Technical Proofer (2013-present)
  - Reviewer (2012, 2013)
  
- Translational Issues in Psychological Science
  - Associate Editor (2017)
  
- **Reviewer / Referee** (may not be up to date; see also: <https://publons.com/a/1414215/>)
  - Psychological Science
  - Nature Human Behavior
  - Journal of Personality and Social Psychology
  - Journal of Experimental Psychology: General
  - New Media & Society
  - Behavior Research Methods
  - Journal of Personality
  - Health Psychology
  - Computers in Human Behavior
  - IEEE Transactions on Affective Computing
  - PLOS ONE
  - Psychiatry Research
  - Personality and Social Psychology Bulletin
  - Journal of Research in Personality
  - Journal of the Association for Information Science and Technology
  - Journal of Experimental Social Psychology
  - Personality and Individual Differences
  - European Journal of Social Psychology
  - Social Psychological and Personality Science
  - Experimental Psychology
  - Journal of Language and Social Psychology
  - Journal of Applied Social Psychology
  - Journal of Individual Differences
  - Analyses of Social Issues & Public Policy
  - Small Business Economics
  - Empirical Studies of the Arts
  - Clinical Psychological Science
  - Information
  - International Conference on Computational Social Science
  - Translational Issues in Psychological Science
  - Current Opinion in Behavioral Sciences
  - Dutch Journal of Applied Linguistics
  - Human-Animal Interaction Bulletin
  - Journal of Medical Internet Research
  - Journal of Community and Applied Social Psychology
  - Small Group Research