





Anthony Schmidt

PhD Student and Data Visualization Researcher

Curriculum Vitae

April 26, 2021

 anthonyschmidt.co
 aschmi11@utk.edu
 [@anthonyteacher](https://twitter.com/anthonyteacher)
 [acircleda](https://github.com/acircleda)

Education

- 2018 - present **PhD, Educational Psychology and Research** Knoxville, TN
University of Tennessee, Knoxville
■ Concentration: Evaluation, Statistics, and Measurement
- 2011 **MSEd, Language, Literacy, and Cultural Education** Bloomington, IN
Indiana University, Bloomington
■ Concentration: TESOL
- 2006 **BA, Anthropology** Tampa, FL
University of South Florida

Professional Appointments

- 2019 - present **Data Visualization Researcher** Knoxville, TN
College and University Professional Association for Human Resources (CUPA-HR)
- 2014-2019 **Teaching Associate** Knoxville, TN
English Language Institute, University of Tennessee
- 2012-2014 **English Language Instructor** Busan, South Korea
Department of English Language and Literature, Pukyong National University

Publications

Peer Reviewed Journal Articles

- Schmidt, A.** (2020). Are international students getting a bang for their buck? The relationship between expenditures and international student graduation rates. *Journal of International Students*, 10(3). <https://doi.org/10.32674/jis.v10i3.1279>

Pre-Prints and Unpublished Manuscripts

- Schmidt, A.** (2021). *University air travel and greenhouse gas mitigation: An analysis of higher education climate policies* [Under review]. EdArXiv. <https://doi.org/10.35542/osf.io/bmuas>
- Schmidt, A.** & Rocconi, L. (2021). *STARS and stripes: Political and institutional factors that affect higher education sustainability ratings* [Under review]. EdArXiv. <https://doi.org/10.35542/osf.io/d5bku>
- Schmidt, A.** (2021). *Comparing intensive English program (IEP) and directly-admitted international students' academic achievement* [Under review]. EdArXiv. <https://doi.org/10.35542/osf.io/vm37t>

Book Reviews

- Schmidt, A.** (2019). Review of the book *International students in first-year writing: A journey through socio-academic space*, by M. Siczek. *Journal of International Students*, 9(3). <https://doi.org/10.32674/jis.v0i0.907>

Technical Reports

- Pritchard, A. & **Schmidt, A.** (2020, July). *The Higher Ed HR Workforce* [Research report]. CUPA-HR. <https://www.cupahr.org/surveys/research-briefs/>
- Feusting, M. & **Schmidt, A.** (2020, May). *Faculty in the health professions: Growth, composition, and salaries* [Research report]. CUPA-HR. <https://www.cupahr.org/surveys/research-briefs/>
- Pritchard, A., Nadel-Hawthorne, S., **Schmidt, A.**, Fuesting, M., & Bichsel, J. (2020, April). *Administrators in higher education annual report: Key findings, trends, and comprehensive tables for the 2019-20 academic year* [Research report]. CUPA-HR. <https://www.cupahr.org/surveys/results/>
- Pritchard, A., Fuesting, M., Nadel-Hawthorne, S., **Schmidt, A.**, & Bichsel, J. (2020, March). *Faculty in higher education annual report: Key findings, trends, and comprehensive tables for tenure-track, non-tenure teaching, and non-tenure research faculty; academic department heads; and adjunct faculty for the 2019-20 academic year* [Research report]. CUPA-HR. <https://www.cupahr.org/surveys/results/>

- Bichsel, J., McChesney, J., & **Schmidt, A.** (2019). *Focus on psychology faculty: Salaries, pay equity, minority representation, and the growth of non-tenure-track faculty* [Research report]. CUPA-HR. <https://www.cupahr.org/surveys/research-briefs/>
- Nadel, S., **Schmidt, A.**, & Bichsel, J. (2019). *The impact of the FSLA overtime rule on higher education* [Research report]. CUPA-HR. <https://www.cupahr.org/surveys/research-briefs/>
- Schmidt, A.**, Rocconi, L., Morrow, J. A., Berry, B. (2019). *College of Architecture and Design's undergraduate advising 2019 report* [Research report]. Evaluation, Statistics, and Measurement (ESM) Program Research Group.
- Morrow, J. A., Rocconi, L., Butler, B., & **Schmidt, A.** (2019). *University of Tennessee's undergraduate advising 2019 evaluation end of year report* [Research report]. Evaluation, Statistics, and Measurement (ESM) Program Research Group.

Other Publications

- Pritchard, A., Bichsel, J., & **Schmidt, A.** (2020). *DataOnDemand how-to guide: Benchmarking for faculty and staff size*. CUPA-HR. <https://www.cupahr.org/wp-content/uploads/surveys/How-To-Benchmark-for-Faculty-and-Staff-Size.pdf>
- Schmidt, A.** (2016). Listening journals for extensive and intensive listening practice. *English Teaching Forum*, 54(2), 2–11.

Conference Papers and Presentations

International/National Conferences

- Schmidt, A.** (2020, November). *University air travel and GHG mitigation: Examining institutional policies through the lens of #flyingless* [Panel presentation]. Roundtable of Sustainable Academic Travel: Mapping Travel Policies in FHE.
- Schmidt, A.** (2020, September). *Principles and practices for great data visualization* [Conference session]. CUPA-HR Annual Conference.
- Schmidt, A.** (2019, October). *A comparison of direct admit and IEP student academic achievement* [Paper presentation]. TESOL International Conference, Atlanta, Georgia.
- Schmidt, A.** (2017, March). *Off course: A comparison of university and EAP coursebook writing tasks* [Paper presentation]. TESOL International Conference, Seattle, Washington.

Regional Conferences

- Rosenberg, J. M., Hodge, L., Aydeniz, M., **Schmidt, A.**, Lishinski, A., Rich, K., Longnecker, J., Mann, M., & Sadovnik, A. (2020, January). *A survey of teachers and administrators regarding the implementation of new K-8 computing education standards in Tennessee* [Paper presentation]. 14th Annual Tennessee STEM Education Research Conference, Cookeville, Tennessee.
- Schmidt, A.** (2016, October). *Academic reading circles* [Conference session]. Southeast TESOL Regional Conference, Louisville, Kentucky.
- Schmidt, A.** (2016, May). *Principled washback: Integrating test prep to foster academic skills* [Conference session]. Toronto TESOL Conference, Toronto, Canada.
- Schmidt, A.** (2016, February). *Academic reading circles and collaborative meaning construction* [Conference session]. GATESOL IEP Mini-Conference, Atlanta, Georgia.
- Schmidt, A.** (2015, October). *Audio diaries for improved spoken grammatical accuracy and pronunciation* [Conference session]. Southeast TESOL Regional Conference, New Orleans, Louisiana.

Poster Presentations

- Schmidt, A.** (2020, March). *Becoming "tidy" over time: Data visualization development in an online community of practice* [Poster presentation]. University of Tennessee, Knoxville College of Education, Health, and Human Sciences Graduate Research Colloquium.
- Schmidt, A.** (2019, March). *A comparison of direct-admit and IEP undergraduate international student achievement* [Poster presentation]. University of Tennessee, Knoxville College of Education, Health, and Human Sciences Graduate Research Colloquium.
- Schmidt, A.** & Chitty, E. (2018, May). *Making history: Supporting language through content in intensive English programs* [Poster presentation]. NAFSA Annual Conference, Philadelphia, Pennsylvania.

Campus & Department Talks

- Schmidt, A.** (2020, October). *University air travel and GHG mitigation: Examining institutional policies through the lens of #flyingless* [Invited presentation]. Committee for the Campus Environment, University of Tennessee, Knoxville.
- Schmidt, A.** & Chitty, E. (2018, March). *Teaching international students: Improving learning for all*. [Workshop]. Teaching and Learning Innovation, University of Tennessee, Knoxville.
- Schmidt, A.** (2016, November). *Intensive reading for learner engagement*. [Conference session]. Re-Imagine: Teaching and Learning Innovation Symposium, University of Tennessee, Knoxville.

Invited Talks

- Schmidt, A.** (2020, October). *University air travel and GHG mitigation: Examining institutional policies through the lens of #flyingless* [Invited presentation]. Committee for the Campus Environment, University of Tennessee, Knoxville.
- Schmidt, A.** (2018, March). *Two hot topics in OLL research: Corpus linguistics and telecollaboration* [Webinar]. OLLReN, Cambridge University Press.

Professional Workshops, Webinars, and Trainings

- Schmidt, A.** (2020, December). *Research Skills Lab: Data Visualization Basics* [Workshop]. CUPA-HR.
- Schmidt, A.** (2020, October). *Data Visualization in R* [Workshop]. Fall 2020 Evaluation, Statistics, and Measurement seminar, University of Tennessee, Knoxville.
- Pritchard, A. & **Schmidt, A.** (2020, September). *Snapshot of the higher ed HR workforce* [Webinar]. CUPA-HR.
- Schmidt, A.**, & Nadel-Hawthorne, S. (2020, April). *Research skills lab: DataOnDemand basics* [Webinar]. CUPA-HR.
- Schmidt, A.** (2020, April). *Tableau training: Building your first dashboard* [Workshop]. Spring 2020 Evaluation, Statistics, and Measurement seminar, University of Tennessee, Knoxville.

Software

- Schmidt, A.** & Kulma, K. (2020). *footprint: Calculate air travel emissions* [R package]. <https://cran.r-project.org/web/packages/footprint/index.html>

Research and Evaluation Experience

- | | |
|--------------|--|
| 2021-present | <p>Sustainable Energy Working Group
Office of Sustainability, University of Tennessee, Knoxville</p> <ul style="list-style-type: none"> ■ Leading a working group to assess student, faculty, and staff perceptions of sustainable energy project on campus ■ Advisor: Jay Price, Michael McKinney |
| 2020-present | <p>Applied Statistics III
University of Tennessee, Knoxville</p> <ul style="list-style-type: none"> ■ Develop materials to teach and learn R for data cleaning, data analysis, and advanced statistics for an advanced statistics course. Offer R office hours to help students learn and troubleshoot R ■ Advisor: Dr. Louis Rocconi, Educational Psychology and Counseling |
| 2020-present | <p>Twitter and Data Visualization
University of Tennessee, Knoxville</p> <ul style="list-style-type: none"> ■ Text mining, Twitter analytics, and survey project assessing data visualization skill development via the #TidyTuesday twitter hashtag/community. ■ Advisor: Dr. Joshua Rosenberg, Theory and Practice in Teacher Education |
| 2021-present | <p>Air Travel Research
Office of Sustainability, University of Tennessee, Knoxville</p> <ul style="list-style-type: none"> ■ Analyzing air travel footprint of faculty and staff. Previously examined how university climate policies mitigate air travel greenhouse gas emissions. ■ Advisor: Jay Price |
| 2020 Summer | <p>R Handbook for ESM Students
University of Tennessee, Knoxville</p> <ul style="list-style-type: none"> ■ Developed handbook to learn R, tailored to evaluation, statistics and measurement students. Available at https://bookdown.org/aschmi11/RESMHandbook/ ■ Advisor: Dr. Jennifer Ann Morrow, Educational Psychology and Counseling |
| 2019-2020 | <p>Planting the Seeds for Computer Science
University of Tennessee, Knoxville</p> <ul style="list-style-type: none"> ■ Needs analysis for the creation of professional development sessions to introduce new K-8 computer science standards. Work included survey design, analysis, and reporting. ■ Advisor: Dr. Joshua Rosenberg, Theory and Practice in Teacher Education |

Teaching Experience

2021 Spring	University of Tennessee, Knoxville Graduate Teaching Assistant	Knoxville, TN
	■ Design materials and teach R for Applied Statistics III	
2014-2019	English Language Institute, University of Tennessee Teaching Associate	Knoxville, TN
	■ Courses (non-credit): Grammar, Reading, Writing, Listening/Speaking	
	■ Levels: Beginner to Advanced	
2012-2014	Department of English Language and Literature, Pukyong National University English Language Instructor	Busan, South Korea
	■ Undergraduate (3-credit): Intermediate Composition, Advanced Composition, Lower-Intermediate Conversation, Upper-Intermediate Conversation	
	■ Graduate (2-credit): TESOL Methodology, Pronunciation for TESOL Teachers	

Other Teaching Experience

2018 (Summer)	Southeast University Visiting Instructor, Department of Foreign Languages	Nanjing, China
	■ Course: Cross-Cultural Communication (1 credit, undergraduate)	
2012-2014	Samsung Electronics/Pukyong National University English Language Instructor	Busan, South Korea
	■ Course: English Communication (3 credits, Intercultural Communication Undergraduate Program)	
2010-2012	Yangun Middle School English Teacher	Busan, South Korea
2009	Tsukuno Junior High School English Teacher	Osaka, Japan
2007-2009	Daicheong Middle School English Teacher	Busan, South Korea

Teacher Training Experience

2012	Pukyong National University In-Service Secondary School Teacher Trainer	Busan, South Korea
	■ National English Ability Test (NEAT) Writing Composition Training Program	
2010-2012	Busan Education Training Institute In-Service Primary School Teacher Trainer	Busan, South Korea

Awards and Honors

2020	Friends of Educational Psychology and Counseling Research Grant University of Tennessee	\$400
2020	Graduate Student Colloquium Travel Award for Best Poster University of Tennessee	\$250
2019	Graduate Student Senate Travel Award University of Tennessee	\$780
2018	Diversity Professional Development Fund for Staff University of Tennessee	\$1,000
2018	Travel Fund Tennessee Association of International Educators	\$500
2017	Travel Grant for IEP Instructors University of Pittsburgh	\$1,500
2012	Teaching Excellence Award Pukyong National University, Department of Humanities	\$300

Current Memberships

- Roundtable of Sustainable Academic Travel
- Association for the Advancement of Sustainability in Higher Education
- American Statistical Society
- American Educational Research Association
- Data Visualization Society
- Tableau Users Group - Knoxville
- The Umbrella Academy

Skills

Data Science Tools	R, R Markdown, Github, SPSS, Stata, SQL (basic), NVivo, VS Code
Data Visualization	R, Tableau, Adobe Illustrator
Survey Research	Qualtrics, QuestionPro, SurveyGizmo
Quantitative Research	T-tests, ANOVA/MANOVA, OLS, Logistic Regression, Multilevel Modelling, PCA/FA, Equivalence Testing, Text Mining, Instrumental Variables, Propensity Score Matching
Qualitative Research	Document Analysis, Content Analysis, Thematic Analysis
Psychometrics	CTT, EFA, CFA, G Theory, IRT
Teaching Tools	Canvas, Blackboard, Quizlet, Kahoot, Quizizz, EdPuzzle, Padlet
Computer Languages	R, HTML, CSS, Javascript (basic)
Natural Languages	English (native), French (intermediate), Korean (basic)
Other	Audacity (audio editing), Corpus Linguistics (BYU, Antconc, tidytext), Webscraping, Wordpress

Notes

This CV is reproducible. All the source code behind this CV is available on [my Github repo](#).