Anthony Schmidt

PhD Student and Data Visualization Researcher

## Curriculum Vitae

April 26, 2021

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# Education

2018 - present **PhD, Educational Psychology and Research** Knoxville, TN

University of Tennessee, Knoxville

I Concentration: Evaluation, Statistics, and Measurement

2011 **MSEd, Language, Literacy, and Cultural Education** Bloomington, IN

Indiana University, Bloomington

I Concentration: TESOL

2006 **BA, Anthropology** Tampa, FL

University of South Florida

# Professional Appointments

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

**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.](https://doi.org/10.32674/jis.v10i3.1279)

[v10i3.1279](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## Pre-Prints and Unpublished Manuscripts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 educationclimate 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 sustain- ability 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/](https://www.cupahr.org/surveys/research-briefs/) [surveys/research-briefs/](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 an- nual 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/>

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Bichsel, J., McChesney, J., & **Schmidt, A.** (2019). *Focus on psychology faculty: Salaries, pay equity, minority representa-*

*tion, and the growth of non-tenure-track faculty* [Research report]. CUPA-HR. [https://www.cupahr.org/surveys/](https://www.cupahr.org/surveys/research-briefs/) [research-briefs/](https://www.cupahr.org/surveys/research-briefs/)

Nadel, S., **Schmidt, A.**, & Bichesel, 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 eval- uation 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-](https://www.cupahr.org/wp-content/uploads/surveys/How-To-Benchmark-for-Faculty-and-Staff-Size.pdf) [Size.pdf](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 “tidyr” over time: Data visualization development in an online community of prac- tice* [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 semi- nar, 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/](https://cran.r-project.org/web/packages/footprint/index.html) [packages/footprint/index.html](https://cran.r-project.org/web/packages/footprint/index.html)

# Research and Evaluation Experience

2021-present **Sustainable Energy Working Group**

Office of Sustainability, University of Tennessee, Knoxville

I Leading a working group to assess student, faculty, and staff perceptions of sustainable energy project on campus

I Advisor: Jay Price, Michael McKinney

2020-present **Applied Statistics III**

University of Tennessee, Knoxville

I Develop materials to teach and learn R for data cleaning, data analysis, and advanced statistics for an advanced statistics cousrse. Offer R office hours to help students learn and troubleshoot R

I Advisor: Dr. Louis Rocconi, Educational Psychology and Counseling

2020-present **Twitter and Data Visualiuzation**

University of Tennessee, Knoxville

I Text mining, Twitter analytics, and survey project assessing data visualization skill development via the #TidyTuesday twitter hashtag/community.

I Advisor: Dr. Joshua Rosenberg, Theory and Practice in Teacher Education

2021-present **Air Travel Research**

Office of Sustainability, University of Tennessee, Knoxville

I Analyzing air travel footprint of faculty and staff. Previously examined how university climate policies mitigate air travel greenhouse gas emissions.

I Advisor: Jay Price

2020 Summer **R Handbook for ESM Students**

University of Tennessee, Knoxville

I Developed handbook to learn R, tailored to evaluation, statistics and measure- ment students. Available at https://bookdown.org/aschmi11/RESMHandbook/

I Advisor: Dr. Jennifer Ann Morrow, Educational Pyschology and Counseling

2019-2020 **Planting the Seeds for Computer Science**

University of Tennessee, Knoxville

I Needs analysis for the creation of professional development sessions to in- troduce new K-8 computer science standards. Work included survey design, analysis, and reporting.

I Advisor: Dr. Joshua Rosenberg, Theory and Practice in Teacher Education

# Teaching Experience

2021 Spring **University of Tennessee, Knoxville** Knoxville, TN

Graduate Teaching Assistant

I Design materials and teach R for Applied Statistics III

2014-2019 **English Language Institute, University of Tennessee** Knoxville, TN

Teaching Associate

I Courses (non-credit): Grammar, Reading, Writing, Listening/Speaking

I Levels: Beginner to Advanced

2012-2014 **Department of English Language and Literature, Pukyong National University** Busan, South Korea

English Language Instructor

I Undergraduate (3-credit): Intermediate Composition, Advanced Composition, Lower-Intermediate Conversation, Upper-Intermediate Conversation

I Graduate (2-credit): TESOL Methodology, Pronunciation for TESOL Teachers

# Other Teaching Experience

2018 (Summer) **Southeast University** Nanjing, China

Visiting Instructor, Department of Foreign Languages

I Course: Cross-Cultural Communication (1 credit, undergraduate)

2012-2014 **Samsung Electronics/Pukyong National University** Busan, South Korea

English Language Instructor

I Course: English Communication (3 credits, Intercultural Communication Under- graduate Program)

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| 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** Busan, South Korea

In-Service Secondary School Teacher Trainer

I National English Ability Test (NEAT) Writing Composition Training Program

2010-2012 **Busan Education Training Institute** Busan, South Korea

In-Service Primary School Teacher Trainer

# Awards and Honors

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| 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**

I Roundtable of Sustainable Academic Travel

I Association for the Advancement of Sustainability in Higher Education

I American Statistical Society

I American Educational Research Association

I Data Visualization Society

I Tableau Users Group - Knoxville

I 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](https://github.com/acircleda/CV).