Mine Çetinkaya-Rundel

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(919) 684-5956 • mine@stat.duke.edu • www.stat.duke.edu/∼mc301

EDUCATION

University of California, Los Angeles, Department of Statistics

Ph.D. in Statistics, 2011
M.S. in Statistics, 2008

Dissertation: Estimating the impact of air pollution using small area estimation
Advisor: Jan de Leeuw

New York University, Leonard N. Stern School of Business

B.S. in Actuarial Science, Minor in Mathematics, 2004

ACADEMIC APPOINTMENTS

Associate Professor of the Practice   July 2016 - present
Duke University - Department of Statistical Science

Director of Undergraduate Studies   July 2015 - December 2018
Duke University - Department of Statistical Science

Assistant Professor of the Practice   July 2011 - July 2016
Duke University - Department of Statistical Science

Lecturer   June 2009 - June 2011
University of California, Los Angeles - Department of Statistics

PUBLICATIONS: BOOKS

1. Diez D.M., Barr C.D. & **Çetinkaya-Rundel M.** *OpenIntro: Statistics (Third Edition).* 2015. Releases at openintro.org.

2. Diez D.M., Barr C.D., **Çetinkaya-Rundel M.**, Dorazio, L. *OpenIntro: Advanced High School Statistics (First Edition).* 2015. Releases at openintro.org.

3. Diez D.M., Barr C.D. & **Çetinkaya-Rundel M.** *OpenIntro: Introductory Statistics with Randomization and Simulation (First Edition).* 2014. Releases at openintro.org.

PUBLICATIONS: PEER REVIEWED & INVITED PAPERS

(* indicates undergraduate students)

4. Robinson, J., Manturuk, K. R., **Çetinkaya-Rundel M.**, Canelas, D. A. Analysis of adult learner sense of community in online classes, Digital Universities: International Best Practices and Applications, 2018, 5 (1-2), 163-177.

5. **Çetinkaya-Rundel M.**, Rundel C. (2018) Infrastructure and tools for teaching computing throughout the statistical curriculum. The American Statistician, 72, 1.

6. Prakalapakorn S.G., Freedman S.F., Hutchinson A.K., Saehout, **Çetinkaya-Rundel M.**, Wallace D.K., and Kulvichit K. Real-world simulation of an alternative retinopathy of prematurity screening system: telemedicine grading of images obtained by a health care worker using a portable, non-contact digital fundus camera in Thailand: a pilot study. Journal of Pediatric Ophthalmology and Strabismus, just accepted (2017).

7. Shapiro H. B.*, Lee C. H.*, Roth N. E. W., Li K., **Çetinkaya-Rundel M.**, & Canelas D. A. (2017). Understanding the massive open online course (MOOC) student experience: An examination of attitudes, motivations, and barriers. Computers & Education, 110, 35-50.

8. Feldblum J. T., Wroblewski E. W., Rudicell R. S., Hahn B. H., Paiva T., **Çetinkaya-Rundel M.**, Pusey, A. E., & Gilby, I. C. (2014) *Sexually Coercive Male Chimpanzees Sire More Offspring.* Current Biology. 24(23).

9. Baumer B., **Çetinkaya-Rundel M.**, Bray A., Loi L., Horton N. (2014) *R Markdown: Integrating A Reproducible Analysis Tool into Introductory Statistics*. Technology Innovations in Statistics Education, 8(1).

10. **Çetinkaya-Rundel M.**, Diez D.M., Barr C.R. (2013) *OpenIntro Statistics: an Open-source Textbook.* Technology Innovations in Statistics Education 7.3.

11. **Çetinkaya-Rundel M.**, Diez D.M., Barr C.R. (2013) *Response: C-RDB.* Technology Innovations in Statistics Education 7.3.

12. Gould R., and **Çetinkaya-Rundel M.** *Teaching Statistical Thinking in the Data Deluge.* Mit Werkzeugen Mathematik und Stochastik lernenUsing Tools for Learning Mathematics and Statistics. Springer Fachmedien Wiesbaden, 2014. 377-391.

13. Kosins A.M., Scholz T., **Çetinkaya M.**, Evans G.R. (2013). *Evidence-based value of subcutaneous surgical wound drainage: the largest systematic review and meta-analyses.* Plastic and reconstructive surgery. doi: 10.1097/PRS.0b013e3182958945.

14. de Bocanegra H.T., Rostovsteva D., **Çetinkaya M.**, Rundel C.W., Lewis C. (2011). *Quality of reproductive health services to limited English proficient patients*. Journal of Health Care for the Poor and Underserved, 22 (4), 1167 - 1178.

| PUBLICATIONS: PAPERS IN PREPARATION | (* indicates undergraduate students) |

15. **Çetinkaya-Rundel M.**, Ellison T. *A Fresh Look at Introductory Data Science.*

16. Feder B.*, **Çetinkaya-Rundel M.**, Ellison T. *Creativity in Open-Ended Data Analysis Projects and the Tidyverse.*

17. Baumer B., Hardin J., **Çetinkaya-Rundel M.**, Bray A. *Teaching Introductory Statistics with DataCamp.*

PUBLICATIONS: OTHER

18. Gould R., **Çetinkaya-Rundel M.**, Zieffler A. (2013 - present) Citizen-Statistician blog

19. **Çetinkaya-Rundel M.** (2017) DataFest Shows Spike in Growth, Provides Immersive Experience, STATtrak.

20. **Çetinkaya-Rundel M.**, Stangl D. (2017) An Interview with Mine Çetinkaya-Rundel, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 30, No. 2.

21. Rundel C., **Çetinkaya-Rundel M.**, (2016) *La Quinta is Spanish for "Next to Denny's"*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 29, No. 2.

22. Gould R., Baumer, B., **Çetinkaya-Rundel M.**, Bray A. (2014) *Big Data Goes to College*, AMSTAT News. Issue 444.

23. Behseta S., **Çetinkaya-Rundel M.** (2014) *Interview with Jim Berger*, Chance Magazine. Vol. 27, No. 2.

24. McClintock S., **Çetinkaya-Rundel M.**, Stangl D.K. (2014) *A Classroom Project for Generation Z*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 27, No. 4.

25. Bray A., **Çetinkaya-Rundel M.**, Stangl D.K. (2014) *Five Concrete Reasons Your Students Should Be Learning to Analyze Data in the Reproducible Paradigm*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 27, No. 3.

26. Morgan K.L., **Çetinkaya-Rundel M.**, Stangl D.K. (2014) *Speed Dating: Exploring Initial Romantic Attraction*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 27, No. 2.

27. McClintock S., **Çetinkaya-Rundel M.**, Stangl D.K. (2014) *The Real Secret to Genius? Reading Between the Lines*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 27, No. 1.

28. Schutt R., Stangl, D.K., **Çetinkaya-Rundel M.** (2013) *Embracing the Ambiguity and Potential of Data Science*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 26, No. 4.

29. **Çetinkaya-Rundel M.**, Stangl D.K. (2013) *A Celebration of Data*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 26, No. 3.

30. **Çetinkaya-Rundel M.**, Morgan K.L., Stangl D.K. (2013) *Looking Good on Course Evaluations*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 26, No. 2.

31. Morgan K.L., **Çetinkaya-Rundel M.**, Stangl D.K. (2013) *The American Community Survey*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 26, No. 1.

32. **Çetinkaya-Rundel M.**, Stangl, D.K., Morgan K.L. (2012) *Making the Old New Again*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 25, No. 4.

33. **Çetinkaya-Rundel M.**, Stangl, D.K., Morgan K.L. (2012) *Exploring Google's Transparency Report*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 25, No. 2.

34. Stangl D.K., **Çetinkaya-Rundel M.**, Morgan K.L. (2012) *Uncounted Votes: A Case Study in Analyzing Aggregated Data*, Chance Magazine Statistics Education Column, Taking a Chance in the Classroom. Vol. 25, No. 1.

PUBLICATIONS: TECHNICAL REPORTS

All reports can be found at http://scc.stat.ucla.edu/publications.

35. Çetinkaya M. (2010). *Neonatal Candidiasis Risk Factors*.

36. Çetinkaya M. & Rundel C.W. (2010). *CVCB Antimicrobial Lock Therapy Study*.

37. Çetinkaya M. (2010). *Type 2 diabetes mellitus and melatonin levels*.

38. Çetinkaya M. (2010). *Carpinteria Childbearing Survey*.

39. Wilson B. & Çetinkaya M. (2009). *Surgery preference of orthopedic surgeons*.

40. Wilson B. & Çetinkaya M. (2009). *Thyroid cancer and iodine levels*.

41. Wilson B., Çetinkaya M. & Yajima M. (2009). *Executive Compensation*.

42. Çetinkaya M. & Rundel C.W. (2009). *Meta-analysis of the value of prophylactic drainage*.

HONORS & AWARDS

Harvard Pickard Award, 2018.

ASA Waller Education Award, 2016.

Best Paper Award JSM 2015 Section on Teaching Statistics in the Health Sciences.

David and Janet Vaughan Brooks Award for Teaching Excellence. Duke University, 2014.

Teaching Assistant of the Year Nominee. Department of Statistics, University of California, Los Angeles, 2008, 2009, 2010.

Graduated Cum Laude & Founders Day Honors Scholar. New York University, Leonard N. Stern School of Business, 2004.

GRANTS & FELLOWSHIPS

Howard Hughes Medical Institute. *The COMPASS PROJECT*. Role: Co Investigator. (2017 - 2019)

National Science Foundation. *Collaborative Research: Accelerating the Pace of Research and Implementation of Writing-to-Learn Pedagogies Across STEM Disciplines* Role: Role: Key Faculty. (2015 - 2020)

Duke University Intellectual Community Planning Grant for *Women in Quantitative Sciences Initiative.* (2016 - 2017). $4,000.

Duke University BASS Connections Education & Human Development Grant for *STEM For All.* (2015 - 2017). Role: Principal Investigator. Co-PI: Genna Miller (Department of Economics, Duke University). $15,000 each year.

TIER Faculty Fellowships 2015-16. Haverford College. $5,000.

Duke University BASS Connections Education & Human Development Grant for *Coursera and the Future of MOOCs.* (2013 - 2015). Role: Principal Investigator. Co-PI: Dorian Canelas (Department of Chemistry, Duke University). $10,000 each year.

Duke University CIT Grant for *Developing the MOOC: Data Analysis and Statistical Inference* (2013-2014). $10,000.

Duke Collaborative Center Grant for *Women and Increasing STEM-Efficacy (W-ISE) pilot project.* (2013) $20,000. Role: Principal Investigator. Co-PI: Genna Miller (Department of Economics, Duke University).

Team-Based Learning Course Design Fellowship. Center for Instructional Technology, Duke University, 2012. $1,000.

Collegium of University Teaching Fellowship. Office of Instructional Development, University of California, Los Angeles, 2009.

INVITED TALKS

1. **Çetinkaya-Rundel M.** *Let them eat cake (first)!.* Columbia University, Department of Biostatistics. New York, NY. Feb 2019.

2. **Çetinkaya-Rundel M.** *Let them eat cake (first)!.* Rice University, Department of Statistics. Houston, TX. Feb 2019.

3. **Çetinkaya-Rundel M.** *Start with Data Science.* IBM CSIG Weekly Update. Dec 2018.

4. **Çetinkaya-Rundel M.** *Let them eat cake (first)!.* Harvard Pickard Lecture. Boston, MA. Nov 2018.

5. **Çetinkaya-Rundel M.** *Teaching Computing via Visualization.* Duke University, Visualization Fridays. Durham, NC. Sep 2018.

6. **Çetinkaya-Rundel M.** *Intro Stats and Data Science: Do we need both?.* JSM. Vancouver, BC. August 2018.

7. **Çetinkaya-Rundel M.** *Making your research reproducible: Documenting and automating your data analysis in R.* UNC. Chapel Hill, NC. April 2018.

8. **Çetinkaya-Rundel M.** Data Science as a Gateway to Statistics. ENAR. Atlanta, GA. Mar 2018.

9. **Çetinkaya-Rundel M.** We'll git there. SIGCSE. Baltimore, MD. Feb 2018.

10. **Çetinkaya-Rundel M.** R Markdown: 8 Ways. San Diego, SD. Jan 2018.

11. **Çetinkaya-Rundel M.** Data Science, from the ground up. New College of Florida. Sarasota, FL. Nov 2017.

12. White L., **Çetinkaya-Rundel M.**, Lasch P., Zychowicz M., Chambers J. The Future of Online Education at Duke. Duke University. Durham, NC. Nov 2017.

13. Bryan J., **Çetinkaya-Rundel M.**, D'Agostino McGowan L., de Queiroz G., Dogucu M., Scranton K., Thompson J. R-Ladies Panel: Improving gender diversity in a male-dominated community. WSDS. San Diego, CA. October 2017.

14. **Çetinkaya-Rundel M.** *A First-Year Undergraduate Data Science Course.* JSM. Baltimore, MD. August 2017.

15. **Çetinkaya-Rundel M.** *Teaching Data Science to new useRs.* useR. Brussels, Belgium. July 2017. (Keynote)

16. **Çetinkaya-Rundel M.** *Teaching Data Science and Statistical Computation to Undergraduates*. United States Conference On Teaching Statistics. State College, PA. May 2017. (Pleanary + Breakout session)

17. **Çetinkaya-Rundel M.** *Open Education Resources*. United States Conference On Teaching Statistics. State College, PA. May 2017.

18. **Çetinkaya-Rundel M.** *Integrating reproducibility into the undergraduate statistics curriculum*. Joint Statistical Meetings. Chicago, IL. August 2016.

19. **Çetinkaya-Rundel M.** *Bayesian baby steps*. OPRE, Washington, DC. April 2016.

20. **Çetinkaya-Rundel M.** *Incorporating visualization into statistics education*. Duke University. Durham, NC. March 2016.

21. **Çetinkaya-Rundel M.** *Making your research reproducible with Project TIER, R, and GitHub*. Duke University. Durham, NC. February 2016.

22. **Çetinkaya-Rundel M.** *Making your research reproducible: Documenting and automating your data analysis in R*. UNC L.L. Thurstone Psychometric Laboratory Methods Forum. Chapel Hill, NC. January 2016.

23. **Çetinkaya-Rundel M.** *Teaching to, and learning from, the masses*. Joint Statistical Meetings. Seattle, WA. August 2015.

24. **Çetinkaya-Rundel M.** *Expanding R Exposure through Early Introduction in the Undergraduate Curriculum*. R Summit & Workshop. Copenhagen, Denmark. June 2015.

25. **Çetinkaya-Rundel M.** *Coursera and the Future of MOOCs*. Duke Library's First Wednesday forum. Durham, NC. May 2015.

26. **Çetinkaya-Rundel M.**, van Ginhoven S. *Data Expedition: Exploring / Modeling / Predicting / Understanding Paintings in Paris*. iiD Data Science Series. Durham, NC. April 2015.

27. **Çetinkaya-Rundel M.** *Bayesian baby steps*. VA CSP Biostatistics Subdomain: April Methodology Call. April 2015.

28. **Çetinkaya-Rundel M.** *There and back again: Data Analysis and Statistical Inference*. CIT LTC. Durham, NC. March 2015.

29. **Çetinkaya-Rundel M.**, van Ginhoven S. *Data Expedition: Exploring / Modeling / Predicting / Understanding Paintings in Paris*. Duke Media Arts + Sciences Rendezvous. Durham, NC. January 2015.

30. **Çetinkaya-Rundel M.** *Teaching data analysis through the lens of reproducibility*. Reproducible Science Hackathon: Curriculum & Workflow Development. NESCENT. Durham, NC. December 2014.

31. **Çetinkaya-Rundel M.** *See you / see me: An interactive real-time online course*. Duke University CIT Showcase. Durham, NC. October 2014.

32. **Çetinkaya-Rundel M.** *Panel on Teaching from Big Data*. eCOTS. May 2014.

33. **Çetinkaya-Rundel M.** *Increasing the Visibility of Women in Statistics*. Women In Statistics Conference. Cary, NC. May 2014.

34. **Çetinkaya-Rundel M.** *Statistical Modeling*. Duke University, guest lecture in Focus Mathematical Modeling course. Durham, NC. March 2014.

35. **Çetinkaya-Rundel M.** *See you / see me: An interactive real-time online course*. Duke University CIT. Durham, NC. October 2013.

36. **Çetinkaya-Rundel M.** *Statisticians work with the hottest models*. FOCUS Cluster Dinner Series at Duke University: What If? Explaining the Past/Predicting the Future. Durham, NC. October 2013.

37. **Çetinkaya-Rundel M.**, Murphy K. *Classroom Response Systems at Duke*. CIT Showcase at Duke University. Durham, NC. April 2013.

38. Vidra R., **Çetinkaya-Rundel M.**, Gauthier D. *Integrating Team-Based Learning Across Disciplines: Ideas and Challenges*. CIT Showcase at Duke University. Durham, NC. April 2013.

1. **Çetinkaya-Rundel M.** Computing Infrastructure and Curriculum Design for Introductory Data Science. SIGCSE 2019. Minneapolis, MN. Feb 2019. (Workshop)

2. **Çetinkaya-Rundel M.** Train-the-trainer: Shiny. rstudio::conf. Austin, TX. Jan 2019. (Workshop)

3. **Çetinkaya-Rundel M.** Version Control with git and R. R-Ladies LA. Los Angeles, CA. Dec 2018. (Workshop)

4. **Çetinkaya-Rundel M.** Dashboards and Apps with Shiny. R-Ladies Philadelphia. Philadelphia, PA. Oct 2018. (Workshop)

5. **Çetinkaya-Rundel M.** Build > Improve > Share: Apps and Dashboards with Shiny. WSDS 2018. Cincinnati, OH. Oct 2018. (Short course)

6. **Çetinkaya-Rundel M.** *Shiny Essentials*. JSM 2018. Vancouver, BC. Aug 2018. (Short course)

7. **Çetinkaya-Rundel M.**, Chance B., Rossman A., Horton N., Genschel U. *Preparing for Careers in Teaching Statistics and Data Science*. JSM 2018. Vancouver, BC. (Workshop)

8. **Çetinkaya-Rundel M.**, Rundel C. *Teaching Data Science, Reproducibly*. ICOTS 2018. Kyoto, Japan. July 2018. (Workshop)

9. **Çetinkaya-Rundel M.**, Rundel C. *Reproducible Computing*. ISBA 2018. Edinburgh, Scotland. June 2018. (Short course)

10. **Çetinkaya-Rundel M.** *Tech Talk: Frictionless onboarding to data science with RStudio Cloud*. eCOTS 2018. May 2018.

11. **Çetinkaya-Rundel M.** *Shiny Essentials*. SDSS 2018. Reston, VA. (Short course)

12. Teal T., Michonneau F., **Çetinkaya-Rundel M.** *Data Carpentry: Teaching Reproducible Data Driven Discovery*. useR 2017. Belgium, Brussels. July 2017.

13. **Çetinkaya-Rundel M.**, Rundel C., Michonneau F. *Data Carpentry: Open and Reproducible Research with R*. useR 2017. Belgium, Brussels. July 2017. (Workshop)

14. **Çetinkaya-Rundel M.**, McVey E. *R-Ladies RTP: Functional programming with `purrr`*. Transloc. RTP, NC. October 2017. (Workshop)

15. **Çetinkaya-Rundel M.** *SSNAP Workshop: (1) Introduction to Data, (2) Statistical Inference, (3) Reproducible Computing*. Duke University. Durham, NC. May 2017. (Workshop)

16. **Çetinkaya-Rundel M.** *R-Ladies RTP: R / git / GitHub*. Duke University. Durham, NC. Feb 2017. (Workshop)

17. **Çetinkaya-Rundel M.** *R-Ladies RTP: Everything R Markdown*. Duke University. Durham, NC. Dec 2016. (Workshop)

18. **Çetinkaya-Rundel M.** *R-Ladies RTP: Data Manipulation*. Duke University. Durham, NC. September 2016. (Workshop)

19. **Çetinkaya-Rundel M.** *A first-year undergraduate data science course*. useR 2016. Palo Alto, CA. July 2016.

20. **Çetinkaya-Rundel M.** *Using R, RStudio, and Docker for introductory statistics*. useR 2015. Aalborg, Denmark. July 2015.

21. Bray A., **Çetinkaya-Rundel M.** *Collaborative statistics education through OpenIntro and GitHub*. useR 2015. Aalborg, Denmark. July 2015. (Poster)

22. **Çetinkaya-Rundel M.**, Horton N. *Connecting data, analysis, and results using a reproducible framework*. United States Conference On Teaching Statistics. State College, PA. May 2015.

23. **Çetinkaya-Rundel M.** *Raising better scientists.* Duke Tech Expo 2015. Durham, NC. April 2015.

24. **Çetinkaya-Rundel M.** *Interactivity online and on-campus: Data Analysis and Statistical Inference.* Coursera Partners Conference. Orange County, CA. March 2015. (Poster)

25. **Çetinkaya-Rundel M.** *Data-driven pedagogy.* Coursera Partners Conference. Orange County, CA. March 2015.

26. **Çetinkaya-Rundel M.** *DataFest - A Celebration of Data.* Analytics Forward Unconference. Durham, NC. March 2015.

27. **Çetinkaya-Rundel M.** *Teaching to the Masses.* Joint Statistical Meetings. Boston, MA. August 2014.

28. **Çetinkaya-Rundel M.**, Bray A. *Teaching data analysis in R through the lens of reproducibility.* useR. Los Angeles, CA. June 2014. (Poster)

29. **Çetinkaya-Rundel M.**, Bray A. *Planting Seeds of Reproducibility in the Introductory Statistics Course with R Markdown.* eCOTS. May 2014.

30. **Çetinkaya-Rundel M.** *Teaching data analysis in R through the lens of reproducibility.* JSM 2013. Montreal, QC. August 2013.

31. Stangl D. **Çetinkaya-Rundel M.** *Transforming Introductory Statistics Education: A Flipped Classroom with Deliberate Practice and Team-Based Learning.* United States Conference On Teaching Statistics. Raleigh, NC. May 2013.

32. Vidra R., **Çetinkaya-Rundel M.**, Gauthier D. *Integrating Team-Based Learning Across Disciplines: Ideas and Challenges.* Lilly Conference on College and University Teaching. Greensboro, NC. February 2013.

33. **Çetinkaya-Rundel M.**, Bray A. *Integrating R into Introductory Statistics.* Joint Statistical Meetings. San Diego, CA. August 2012.

34. **Çetinkaya-Rundel M.**, Bray A. *Integrating R into Introductory Statistics.* useR. Nashville, TN. June 2012.

35. **Çetinkaya-Rundel M.** *Getting involved with OpenIntro.* Joint Statistical Meetings. Miami, FL. August 2011.

36. **Çetinkaya-Rundel M.** *Small area estimation approach to estimating the association between traffic-generated air pollution and early childhood respiratory problems.* Joint Statistical Meetings. Vancouver, BC. August 2010.

TEACHING

Duke University

1. STA 101 - Data Analysis and Statistical Inference Spring 2016, Fall 2015, Spring 2015, Fall 2014, Fall 2013, Spring 2013, Fall 2012, Spring 2012, Fall 2011

2. STA 102 - Introduction to Biostatitics Summer 2016

3. STA 104 - Data Analysis and Statistical Inference (Online) Summer 2015, Summer 2014, Summer 2013

4. STA 112FS - Better Living Through Data Science Fall 2018, Fall 2017, Fall 2015, Fall 2014

5. STA 199 - Introduction to Data Science and Statistical Thinking Spring 2018

6. FOCUS 195FS - Special Topics in Focus Fall 2015, Fall 2015, Fall 2014

7. STA 498 - Research Seminar in Statistical Science Spring 2014

8. STA 470/851 - Intro Statistical Consulting Fall 2013, Spring 2013, Fall 2012

9. STA 582 - DataFest Spring 2016

10. STA 771S - Teaching Statistics Fall 2018, Spring 2016

11. ARTSCI 101 - From Data to Insight Summer 2016

DataCamp
12. Introduction to Data
13. Inference for Numerical Data
14. Building Web Applications in R with Shiny

Coursera
15. Statistics with R Specialization, available on demand, including the following courses: Introduction to Probability and Data, Inferential Statistics, Linear Regression and Modeling, Bayesian Statistics, Statistics Capstone Project
16. Data Analysis and Statistical Inference   September 2014, February 2014, March 2015, September 2015
17. Teaching Statistical Thinking, Part 1   October 2014
18. Specialization in Reasoning, Data Analysis and Writing   January 2015

University of California, Los Angeles
19. Stats 10 - Introduction to Statistical Reasoning Spring 2011, Winter 2011 (Extension), Fall 2010 (Extension), Summer 2010, Summer 2009
20. Stats 112 - Statistical Methods for Social Sciences   Winter 2011
21. Stats 98T - More Doctors Smoke Camels (Seminar)   Spring 2010
22. AP Readiness - Statistics   September 2009 - May 2011
23. Statistical Consulting Center Mini-courses   April 2009 - June 2011

SOFTWARE

1. **Çetinkaya-Rundel, M.**, (2017) `thesisdowndss`: An updated R Markdown thesis template using the bookdown package to create undergraduate theses for Duke Statistical Science.
2. Bray A., Baumer B., Ismay C., **Çetinkaya-Rundel, M.** (2017) `infer`: An R package for tidyverse-friendly statistical inference.
3. Bray A., **Çetinkaya-Rundel, M.**, Kim A., Baumer B., Ismay C. (2016) `oilabs`: R Package Companion to OpenIntro Labs.
4. **Çetinkaya-Rundel, M.**, Cohen, B. (2014) Applets for statistics education.
5. Diez, D.M., Barr, C.D. & **Çetinkaya-Rundel, M.** (2012). `openintro`: Open Intro data sets and supplement functions. R package version 1.4.

SERVICE TO PROFESSION

ASA Section on Statistical Education, Chair, 2019

ASA Data Science Education Working Group, Chair, 2018-2019

Two-Year College Data Science Summit Participant, 2018

ASA Section on Statistical Education, Chair-Elect, 2018

R-Ladies RTP Organizer, 2016 - present

rOpenSci Reproducible Research Fellowship Review, 2017

ASA Council of Sections Representative for the Section on Statistical Computing, 2016 - 2018

ASA Statistical Commons Committee, 2015 - present

ASA DataFest Steering Committee, 2014 - present

AP Statistics Test Development Committee, June 2015 - present

ScienceOpen Editorial Board Member, 2014 - present

Local organizer for the inaugural Women In Statistics conference

Journal Reviews: PeerJ, Statistics, Politics, and Policy, The American Statistician, Journal of Statistical Education

Book Reviews: Cambridge University Press, Chapman & Hill

UNIVERSITY & DEPARTMENT SERVICE	ASA DataFest@Duke Organizer, 2012 - present

ASA DataFest@Duke Organizer, 2012 - present

Library Council, 2017 - present

Females Excelling More in Math, Engineering, & Science (FEMMES) Capstone, 2012 - present (Annually)

Provost's Advisory Committee on Online Education, 2017 - present

Ad Hoc Committee on Faculty Rank Distribution, 2017 - 2018

Duke StatSci Honor's Thesis Advising, 2017 - 2018

Faculty Advisor for the Statistical Science Undergraduate Majors Union, 2013 - 2018

StatSci Graduate Orientation: Computing Bootcamp, 2015 - 2018

StatSci Graduate Orientation: Teaching Assistant Training, 2012 - 2018

StatSci TA of the Year Award Committee, 2013 - 2018

Arts & Sciences Council Representative, 2016

Online Learning Advisory Committee, 2012 - 2013

MENTORING

Undergraduate thesis advisees:

1. Ben Feder, 2018 - 2019
2. Anne Driscoll, 2017 - 2018
3. Meghan Scanlon, 2014 - 2015
4. Avi Moondra, 2014 - 2015
5. Ted Li, 2012 - 2013

Doctoral thesis committee:

1. Kelly Moran, 2019
2. Lindsay Berry, 2019
3. Ksenia Kyzyurova, 2013 - 2017
4. Lan Wei, 2016
5. Thais Paiva, 2012 - 2014
6. Maria Terres, 2012 - 2014

Independent study:

1. Sibora Seranaj, 2019
2. Revogatus Tesha, 2019
3. Eidan Jacob, 2018
4. Matt Tribby, 2018
5. Elizabeth Ratliff, 2018
6. Jennifer Ling, 2016 - 2018
7. Brigid Burroughs, 2016 - 2018
8. Kameron Sedigh, 2017 - 2018
9. Aarthi Sridhar, 2017 - 2018
10. Amanda Levenberg, 2016 - 2017
11. Magdalena Perez Vicente, 2015 - 2016
12. Srinivas Emandi, 2015 - 2016
13. Kshipra Hemal, 2014 - 2015
14. Anthony Weishampel, 2013 - 2015
15. Heather Shapiro, 2013 - 2015
16. Brittany Cohen, 2013 - 2014

Major advising, 2012 - present (40 StatSci majors in the 2017-2018 academic year)
Minor advising, 2015 - present (30 StatSci minors in the 2017-2018 academic year)
Pre-major Advising, 2012 - present (21 students)

ACADEMIC &
PROFESSIONAL
EXPERIENCE

Data Scientist and Professional Educator   July 2016 - present
RStudio

> Developing educational materials for the interactive data visualization R package Shiny as
> well as other RStudio products.

Senior Statistical Consultant   March 2009 - June 2011
Statistical Consulting Center, UCLA

> Provided statistical consulting to academic researchers, graduate students, non-profit organizations and companies in addition to developing and teaching mini-courses.

Graduate Student Researcher   June 2008 - September 2009
School of Public Health, UCLA

> Helped refine the underlying micro-simulation models for health forecasting, contributed
> to health impact analyses and provided statistical consulting within the research group.

Actuarial Associate   June 2004 - August 2006
Buck Consultants, New York, NY

> Prepared actuarial valuations, benefit calculations and cost estimates, worked on mergers
> and acquisitions, early retirement windows, benefit plan strategy and design, plan terminations, regulatory compliance and non-discrimination testing.

PROFESSIONAL
AFFILIATIONS

American Statistical Association
Mathematical Association of America
International Society for Bayesian Analysis
Royal Statistical Society