

Robin A. Donatello

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Education

University of California, Los Angeles

DR. PUBLIC HEALTH IN BIOSTATISTICS

- Thesis: Sequential Bayesian Regression for Multiple Imputation and Conditional Editing

[Los Angeles](#)

2007 - 2013

University of California, Los Angeles

MASTERS OF SCIENCE IN BIOSTATISTICS

[Los Angeles](#)

2005 - 2007

California State University, Chico

BACHELORS OF SCIENCE

- Statistics
- Biology, Minor in Chemistry

[Chico](#)

2001 - 2005

Work Experience

Department of Mathematics and Statistics, California State University, Chico

FACULTY IN STATISTICS

- Associate Professor (2020-Present)
- Assistant Professor (2014-2020)
- Courses Taught: Intro Statistics (GE Freshmen), Applied Statistics I (mostly non-majors), II (mostly majors), Data Science

[Chico, CA](#)

2014 - Present

Keeping It Real LAC, Institute for Health Promotion and Disease Prevention Research, University of Southern California

DATABASE ADMINISTRATOR

- Jointly managed by – Los Angeles County Department of Public Health, HIV and STD Program Office

[Los Angeles, CA](#)

2012 - 2015

Project Connect, Health Research Association, University of Southern California

DATA ANALYST

[Los Angeles, CA](#)

2007 - 2012

Teaching Experience

{ In addition to teaching traditional courses, I occasionally teach reproducible research and data analysis skills using R at workshops. }

Tidy Time Series and Forecasting in R

TEACHING ASSISTANT

- Two day workshop with Rob Hyndman on forecasting using tidyverse workflows.

[rstudio::conf, San Francisco, California](#)

Jan. 2020

Interactive documents with Shiny

INSTRUCTOR

- Two day intermediate workshop on developing of shiny applications.

[CSIRO Canberra, Australia](#)

Nov. 2019

Data Wrangling

INSTRUCTOR

- A short workshop in the student ran 'R Workshops for Beginners' series on using tidyr and dplyr to wrangle data.

[Monash University Clayton, Australia](#)

Sep. 2019

Tidyverse developer day

HELPER

- A one day developer day where I helped R users resolve issues on tidyverse packages.

[RStudio, Toulouse France](#)

Jul. 2019

High-dimensional time series analysis

TEACHING ASSISTANT

- One day short course with Rob Hyndman for analysing and forecasting large collections of time series.

[ISI WSC, Kuala Lumpur, Malaysia](#)

Aug. 2019

The grammar of animation

INSTRUCTOR

- A short workshop for NUMBAT group on creating animated graphics in R with gganimate

[Monash University Clayton, Australia](#)

Mar. 2019

Master R Developer Workshop

TEACHING ASSISTANT

- A two day workshop with Hadley Wicham on programming with R and developing R packages.

[RStudio, Melbourne Australia](#)

Dec. 2016

Scholarly Works

BOOKS

1. Afifi, A, S May, R Donatello, and V Clark (2020). *Practical Multivariate Analysis*. 6th ed. Boca Raton, FL: Chapman and Hall/CRC.

PEER-REVIEWED MANUSCRIPTS

1. Nissen, J, R Donatello, and B Van Dusen (July 2019). Missing data and bias in physics education research: A case for using multiple imputation. *Phys. Rev. Phys. Educ. Res.* **15** (2), 020106.
2. Rohrbach, LA, RA Donatello, BD Moulton, AA Afifi, KI Meyer, and CJD Rosa (2019). Effectiveness Evaluation of It's Your Game: Keep It Real, a Middle School HIV/Sexually Transmitted Infection/Pregnancy Prevention Program. *Journal of Adolescent Health* **64**(3), 382–389.
3. Fleming, EJ, T Woyke, RA Donatello, MMM Kuypers, A Sczyrba, S Littmann, and D Emerson (2018). Insights into the Fundamental Physiology of the Uncultured Fe-Oxidizing Bacterium *Leptothrix ochracea*. *Applied and Environmental Microbiology* **84**(9). Ed. by HL Drake. eprint: <https://aem.asm.org/content/84/9/e02239-17.full.pdf>.
4. Donatello, RA, CJD Rosa, BD Moulton, EQ Chung, R Viola, LA Rohrbach, and AA Afifi (2017). Patterns of Sexual Experience Among Urban Latino and African American Ninth Grade Students. *The Journal of Sex Research* **54**(4-5). PMID: 27135138, 619–630.
5. Dittus, PJ, CJ De Rosa, RA Jeffries, AA Afifi, WG Cumberland, EQ Chung, E Martinez, PR Kerndt, and KA Ethier (2014). The Project Connect Health Systems Intervention: Linking sexually experienced youth to sexual and reproductive health care. *Journal of Adolescent Health* **55**(4), 528–534.
6. Gorbach, PM, H Pines, M Javanbakht, RE Weiss, R Jeffries, RD Cranston, EJ Fuchs, M Hezerah, S Brown, A Voskanian, et al. (2014). Order of Orifices: Sequence of Condom Use and Ejaculation by Orifice During Anal Intercourse Among Women: Implications for HIV Transmission. *JAIDS Journal of Acquired Immune Deficiency Syndromes* **67**(4), 424–429.
7. Dittus, P, R Jeffries, C De Rosa, P Loosier, and K Ethier (2013). Sexual Behavior and Receipt of Sexual and Reproductive Healthcare Among Sexually Experienced Sexual Minority Youth: The Role of Parenting Behaviors. *Journal of Adolescent Health* **52**(2), S13–S14.
8. Logan, J, D Finley, N Kroeger, R Jeffries, A Afifi, J Said, F Kabbinavar, A Beldegrun, and A Pantuck (2013). EXPRESSION PATTERNS OF SEVEN MOLECULAR MARKERS IN CHROMOPHOBE RENAL CELL CARCINOMA WITH DISTINCT EXPRESSION CHANGES IDENTIFIED IN HIGH-GRADE LESIONS. *The Journal of Urology* **4**(189), e193.
9. De Rosa, CJ, RA Jeffries, AA Afifi, WG Cumberland, EQ Chung, PR Kerndt, KA Ethier, E Martinez, RV Loya, and PJ Dittus (2012). Improving the Implementation of a Condom Availability Program in Urban High Schools. *Journal of Adolescent Health* **51**(6), 572–579.
10. Gorbach, PM, RE Weiss, E Fuchs, RA Jeffries, M Hezerah, S Brown, A Voskanian, E Robbie, P Anton, and RD Cranston (2012). The slippery slope: lubricant use and rectal sexually transmitted infections: a newly identified risk. *Sexually transmitted diseases* **39**(1), 59.
11. Jyrala, A, RE Weiss, RA Jeffries, and GL Kay (2012). Is Hypothyroidism Overlooked in Cardiac Surgery Patients? *Open Journal of Thoracic Surgery* **2**(02), 29.
12. Dittus, P, C De Rosa, R Jeffries, A Afifi, W Cumberland, K Ethier, E Chung, E Martinez, R Loya, and P Kerndt (2011). Employing school nurses as a healthcare point of contact for male high school students: a school-based intervention to prevent STD, HIV, and teen pregnancy. *Sexually Transmitted Infections* **87**(Suppl 1), A88–A89.
13. Dittus, P, C De Rosa, R Jeffries, A Afifi, W Cumberland, P Loosier, K Ethier, E Chung, E Martinez, and P Kerndt (2011). The project connect health systems intervention: STD screening and HIV testing outcomes for female adolescents. *Sexually Transmitted Infections* **87**(Suppl 1), A56–A56.
14. Dittus, P, P Loosier, C DeRosa, K Ethier, R Jeffries, A Afifi, W Cumberland, E Chung, E Martinez, and P Kerndt (2011). The Project Connect Health Systems Intervention: Sexual and Reproductive Health Outcomes for Sexually Active Youth. *Journal of Adolescent Health* **48**(2), S9.
15. Finley, DS, B Shuch, JW Said, G Galliano, RA Jeffries, AA Afifi, B Castor, C Magyar, A Sadaat, FF Kabbinavar, et al. (2011). The chromophobe tumor grading system is the preferred grading scheme for chromophobe renal cell carcinoma. *The Journal of urology* **186**(6), 2168–2174.
16. Gorbach, PM, RE Weiss, R Jeffries, M Javanbakht, LN Drumright, ES Daar, and SJ Little (2011). Behaviors of recently HIV-infected men who have sex with men in the year post-diagnosis: effects of drug use and partner types. *Journal of acquired immune deficiency syndromes (1999)* **56**(2), 176.
17. Jyrala, A, RE Weiss, RA Jeffries, and GL Kay (2010). Effect of mild renal dysfunction (s-crea 1.2–2.2 mg/dl) on presentation characteristics and short- and long-term outcomes of on-pump cardiac surgery patients. *Interactive cardiovascular and thoracic surgery* **10**(5), 777–782.
18. Micheletti, RG, GA Fishbein, MC Fishbein, EJ Singer, RE Weiss, RA Jeffries, and JS Currier (2009). Coronary atherosclerotic lesions in human immunodeficiency virus-infected patients: a histopathologic study. *Cardiovascular Pathology* **18**(1), 28–36.

PRESENTATIONS

1. De Rosa, C, R Jeffries, E Chung, S Walker, and B Moulton (2014). Implementing an evidence-based sexual health education curriculum in middle schools: Implementation fidelity and teacher reporting over two implementation years. In: *SEXUALLY TRANSMITTED DISEASES*. Vol. 41. LIPPINCOTT WILLIAMS & WILKINS TWO COMMERCE SQ, 2001 MARKET ST, PHILADELPHIA, PA 19103 USA, pp.S112–S112.
2. Jeffries, R (2013). Patterns of sexual experience among an urban sample of Latino and African-American 9th grade students. In: *141st APHA Annual Meeting (November 2-November 6, 2013)*. APHA.
3. Jeffries, R (2012). Early Adolescents' Expectations about Future Sexual Behavior and Sexual Initiation One Year Later. In: *2012 National STD Prevention Conference*. CDC.
4. Gorbach, P, R Weiss, R Jeffries, E Fuchs, M Hezerah, S Brown, et al. (2010). Rectal lubricant use and risk for rectal STI. In: *2010 International Microbicides Conference*.