

# Jaime J. Ramos, Ph.D.

## C.V.

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### CONTACT

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### EDUCATION

- Ph.D. Statistics, Rice University. Fall 2014  
Doctoral dissertation, [Robust Methods for Forecast Aggregation](#).  
Advisor: Dr. David W. Scott  
Committee: Dr. David Lane and Dr. James Thompson.
- M.A. Statistics, Rice University. Fall 2012
- B.S. Applied Mathematics, University of Texas at El Paso. Spring 2008  
Undergraduate Thesis, Rank Dependence.  
Advisor: Dr. Art Duval  
Committee: Dr. Emil D. Schwab and Dr. Keith Pannell

### RELEVANT EXPERIENCE

#### TEACHING:

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- University of North Texas at Dallas: 2022 - Present

- **Assistant Professor of Business Statistics**

Course Name	Term(s) (Class number)	Enrollment	Notes
DSCI 5030: Foundation of Business Statistics	Fall 24 (1914)	7	Graduate Class
BCIS 1305: Business Computer Applications	Fall 24 (1355) Fall 23 (1845)	30 30	

Course Name	Term(s) (Class number)	Enrollment	Notes
DSCI 2305: Business Statistics I	Fall 24 (1225, 1239, and 1503) Spring 24 (1240, 1925) Fall 23 (1299, 1322, and 1567) Spring 23 (1272) Fall 22 (1405, 1440, and 1964)	21, 19, and 29 respectively 24 23, 25, and 31 respectively 19 24, 20, and 11 respectively	1503: Online 1925: Online 1567: Online 1964: Online
DSCI 3305: Business Statistics II	Summer 24 (1083) Spring 24 (1594) Fall 23 (1668) Spring 23 (1605)	6 13 9 13	Online
DSCI 3380: Fundamentals of Business Analytics	Spring 24 (1357)	12	
DSCI 3870: Management Sciences	Summer 24 (1242) Spring 24 (1318) Spring 23 (1377 and 1885) Fall 22 (1449)	27 27 27 and 22 29	1242: Online

• Indiana University: 2016 - 2022

• **Director of Business Statistics (Fall 2020 - Spring 2022)**

This title has, among other duties and responsibilities, the coordination of resources allocated to the service class *Applied Statistical Methods for Business* for the Kelley School of Business by the department and the development of material and assessments to be used across our multiple sections. In a school year, for example Fall 2021- Spring 2022, we serve around 1,500 students (in 15 sections of 100 students each) while coordinating an average of 5 instructors and 9 TAs per semester.

Brief Description of Key Accomplishments: Developing of a new online class (advertised as OI, online interactive, 100 % asynchronous with exams in-person for resident students) along with course material to support their learning experience (ie. lecture videos, video quizzes, canvas discussions, learning-engagement material to pace their study, etc.)

- Lecturer (2017-2022)
- Visiting Assistant Professor (2016-2017)

Course Name	Term(s) (Class number)	Enrollment	Notes
IU STAT-S 620: Introduction to Statistical Theory	Spring 20 (5097) Spring 19 (5398) Spring 18 (6632) Spring 17 (10175)	13 18 31 23	
IU STAT-S 420: Introduction to Statistical Theory	Spring 19 (5048)	15	

Course Name	Term(s) (Class number)	Enrollment	Notes
IU COLL-X 311 Experimental Topics	Winter Intersession 20	24	Putting Statistics to Data
IU STAT-S 303 : Statistics for life Sciences	Spring 18 (9404)	9	Statistics for Speech and Hearing Sciences
IU STAT-S 303 : Statistics for life Sciences	Fall 19 (8679) Fall 17 (9680) Fall 16	51 58 18	
IU STAT-S 301 : Business Statistics	Spring 22 (6063 and 6298) Fall 21 (22432, 16831, and 16830) Summer 21(5999, 6476) Spring 21 (7367) Fall 20 (6001, 9720, and 32258) Summer 20 (6499) Spring 20 (7972 and 9352) Fall 19 (10505) Spring 19 (8568) Fall 18 (10064 and 10065) Summer 18 (6725) Spring 18 (12384) Fall 17 (35658) Summer 17 (7077) Spring 17 (11595 and 14698) Fall 16 (13484)	99 (6063) and 99 (6298) 100 (22432), 118 (16831) and 34 (16830) 56 (5999) and 56 (6476) 100 100 (6001), 100 (9720), and 96 (32258) 59 100 (7972) and 69 (9352) 98 100 99 (10064) and 99 (10065) 24 100 98 20 99 (11595) and 92 (14698) 98	Spring 22: Online Interactive with complementary in-person meetings  Fall 21: One class on each modality: in-person, online asynchronous, and hybrid distant.  Spring 20 (second half of semester)- Summer 21: Hybrid distant
IU STAT-S 100 : Statistical Literacy	Fall 17 (6775)	22	

• The Ohio State University.

2014 - 2016

• Visiting Assistant Professor

Course Name	Term(s) (Class number)	Enrollment	Special Topic
OSU STAT 6201 : Mathematical Statistics	Fall 14 (25095)	31	

Course Name	Term(s) (Class number)	Enrollment	Special Topic
OSU STAT 6193 : Individual Studies in Foundational Graduate Topics in Statistics	Spring 15 (24469)	1	Beta distribution, approximations and applications
OSU STAT 5302 : Intermediate Data Analysis II	Spring 15 (24372 / 24373)	27	
OSU STAT 5301 : Intermediate Data Analysis I	Spring 16 (34239 / 43240)	57	
OSU STAT 3470 : Introduction to Probability and Statistics for Engineers	Spring 16 (24177 and 24300) Fall 15 (21098 and 25342) Spring 15 (24362 and 24489) Fall 14 (25935)	158 (24177) and 72 (24300) 217 (21098) and 59 (25342) 153 (24362) and 82 (24489) 204	

- Teaching Assistant, RStudio Workshop at February 17-20, 2014  
The Canadian Department of Agriculture.  
Instructor: Dr. Garrett Grolemond  
T.A. : Jaime Ramos  
Topics: Introduction to R
- Rice University Summer Institute of Statistics, RUSIS. Summer 2010  
Instructor: Dr. Javier Rojo  
T.A. : Jaime Ramos  
Topics: Intro. to Mathematical Statistics and Probability,  
Computational Statistics using R and Mathematica, and LaTeX.
- Rice University Summer Institute of Statistics, RUSIS 2009. Summer 2009  
Instructor: Dr. Javier Rojo  
T.A. : David Kahle and Jaime Ramos  
Topics: Intro. to Mathematical Statistics and Probability,  
Computational Statistics using R and Mathematica, and LaTeX.
- Teaching Assistant at Rice University. 2008 - 2010  
Course: STAT 541 - Multivariate Data Analysis  
Instructor: Dr. David W. Scott  
  
Course: STAT 331 - Applied Probability  
Instructor: Dr. Javier Rojo

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Course: STAT 410 - Introduction to Regression and Statistical Computing

Instructor: Dr. Kamal Hamidieh

Course: STAT 280 - Elementary Applied Statistics

Instructor: Dr. Loren Raun

- Supplemental Instructor, University of Texas at El Paso UTEP 2006 - 2008  
P.I. : Dr. Emil Daniel Schwab  
Course: Calculus I.

#### DATA SCIENTIST:

- Consulting Internship, Civitas Learning, Austin Texas Summer 2013  
Develop academic/learning descriptive and predictive analytics and data visualization to help schools and students to achieve graduation goals.

### INTEREST AND RESEARCH

- Forecast Aggregation
- The analysis and understanding of (Big) data.
- Multivariate probability density estimation.
- Computational statistics and Visualization.
- Statistics education.

### RESEARCH EXPERIENCE

- Graduate Research Assistant, Rice University. Develop forecast aggregation methods and data visualization techniques. 2011 - 2014
- Graduate Research Assistant, Rice University. Research power grid reliability under stress conditions. 2010 - 2011
- Undergraduate Thesis, University of Texas at El Paso. Research on the construction of median graphs of networks. 2007 - 2008

### PUBLICATIONS AND PRESENTATIONS

#### JOURNAL PUBLICATION:

- Cross D, **Ramos J**, Mellers B, Tetlock PE, Scott DW (2017) "Robust Forecast Aggregation: Fourier L2E Regression," *Journal of Forecasting*, October 1099-131X <http://dx.doi.org/10.1002/for.2489>
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- Mellers B, Ungar L, Baron J, **Ramos J**, Gurcay B, Fincher K, Scott SE, Moore D, Atanasov P, Swift SA, Murray T, Stone E, Tetlock PE (2014) "Psychological strategies for winning a geopolitical forecasting tournament," *Psychological Science*, May 1;25(5):1106-15 <http://pss.sagepub.com/content/25/5/1106.long>

#### CONFERENCE PAPER:

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- Ungar L, Mellers B, Satopaa V, Baron J, Tetlock PE, **Ramos, J**, Swift S (2012) "The Good Judgment Project: A Large Scale Test of Different Methods of Combining Expert Predictions," *AAAI Fall Symposium Series : Machine Aggregation of Human Judgment*. <https://www.aaai.org/ocs/index.php/FSS/FSS12/paper/view/5570/5871>

#### PRESENTATIONS:

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- The 2024 Institute of Business Intelligence Innovation (IBII) International Conference on Education and Social Development (ICESD), Thursday, March 28, 2024, Surroundings of a Minority Serving Institution (MSI): A Comparative Socioeconomic Analysis (Co-presenter with Dr. Shikhar Acharya, and Professor Yonas Lemma)
  - University of North Texas at Dallas, School of Business, Tuesday, January 18, 2022, Class presentation on The Central Limit Theorem.
  - New Mexico State University, College of Business Economics, Applied Statistics & International Business, Monday, June 11, 2018, Robust Methods for Forecast Aggregation and Normalization.
  - Indiana University, Fall 2016 Seminars, Robust Forecast Aggregation.
  - Texas Tech University, Thursday, February 24, 2016, Robust Methods for Forecast Aggregation.
  - The Ohio State University, Autumn 2015 Seminars, Robust Methods for Forecast Aggregation.
  - Rice University, May 2014, Robust Methods for Forecast Aggregation.
  - [Screech : Graduate Elevator Pitch Competition](#), Rice University, Fall 2012, [Video \(minute 9:25/11:03\)](#) **Best Screech in the Department of Statistics**
  - [Joint Statistical Meetings, JSM 2012](#), Robust Methods for Forecast Aggregation. **Ramos**, Scott.
  - [Rice University, Spring 2012 Seminars](#), Robust Methods for Forecast Aggregation.
  - [SACNAS 2009, Undergraduate and Graduate Student Poster Session](#), Linkage Analysis with Sib-Pair Data.
  - [Univeristy of Texas at El Paso, Department of Mathematical Sciences Colloquium 2008](#), Electrical Network Mixed Problems.
  - [Southwestern Undergraduate Mathematics Research Conference at Arizona State University, SUnMaRC 2008](#), Electrical Network Mixed Problems.
  - [University of Washington Research Experience for Undergraduates Summer 2007 Inverse Problems](#), Mixed Problems.
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- Rice University Summer Institute of Statistics, RUSIS 2006, Linkage Analysis with Sib-Pair Data.

#### PANELS:

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- The graduate experiences in (Bio)statistics panel, "Fostering Diversity in Biostatistics" workshop at [the Eastern North American Region \(ENAR\)](#) of the International Biometric Society on Sunday, March 20, 2011 in Miami, FL.

#### JOURNAL REFEREE:

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- WIREs Computational Statistics

#### SERVICE

- Undergraduate Admissions Holistic Review Committee: Fall 2023 - Today. Chair: M.S. Luis Franco.
- School of Business Curriculum Committee: Fall 2023 - Today. Chair: Assoc. Professor Stephanie Mongiello
- Session Chair at The 2024 IBII - ICESD (see presentations above).
- Recruitment and Marketing Committee: School of Business: Spring 2023 - Today. Chair: Gary Holmes.
- Business Profiles (School of) point of contact.
- Director of Business Statistics: Department of Statistics, Indiana University: Fall 2020 - Summer 2022.
- TA Committee: Department of Statistics, Indiana University: Fall 2020 - Summer 2022.
- S301 TA Coordinator (unofficial title): Department of Statistics, Indiana University: Fall 2018 - Fall 2020.
- Visiting Assistant Professor Search Committee. Department of Statistics, Indiana University: Spring 2018 for academic year 2018-2019.
- Teaching Assistant Search Committee. Department of Statistics, Indiana University:  
Fall 2020 - Summer 2022  
Fall 2017 for Spring 2018 semester.  
Summer 2017 for Fall 2017 semester.

#### RELEVANT SKILLS

- Bilingual: English and Spanish.
  - Programs/Languages: R, HTML/JavaScript, Mathematica, MATLAB.
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- Applications: Microsoft Office, Apple iWork.

## WORK EXPERIENCE

- University of North Texas at Dallas. August 2022 - Present  
School of Business  
Assistant Professor
- Indiana University 2016 - Julio 2022  
Department of Statistics  
Director of Business Statistics  
Lecturer  
Visiting Assistant Professor
- The Ohio State University 2014 - 2016  
Department of Statistics  
Visiting Assistant Professor
- RStudio February 17-20, 2014  
Workshop  
Teaching Assistant
- Rice University 2008 - 2014  
Department of Statistics  
Research Assistant  
Teaching Assistant
- Civitas Learning Summer 2013  
Internship  
Data Scientist
- Rice University Summer Institute of Statistics, RUSIS Summer 2010  
Department of Statistics: Dr. Javier Rojo's REU Summer 2009  
Teaching Assistant
- University of Texas at El Paso, UTEP 2008 - 2010  
Department of Mathematical Sciences  
Supplemental Instructor

## HONORS AND ACTIVITIES

- Outstanding Service to Students Award (Faculty) nominee 2023 - 2024
  - Teacher's Excellence award from the Professional Fraternity, Alpha Kappa Psi. Beta Game, for outstanding presentation and student mentorship 2022
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- Rice University Fellowship for Graduate Studies. 2008 - 2014
- Rice-Alliance for Graduate Education and the Professoriate (AGEP). 2008 - 2014
- Best [Screech : Graduate Elevator Pitch Competition](#) in the Department of Statistics, Rice University. 2012
- Minority Access to Research Careers (MARC) scholarship (NIH grant). 2006 - 2008
- NSF scholarship. 2006 - 2007
- Mexican Mathematical Olympiad, 3rd place national level. 2001
- Memberships: ASA, SIAM, SACNAS.

## MEDIA

- National Public Radio, NPR, April 02, 2014  
[“So You Think You're Smarter Than A CIA Agent”](#).
- New York Times, March 21, 2013  
[“Forecasting Fox”](#).
- UTEP MAXIMA: News and Highlights from the Department of Mathematical Sciences. Fall 2007  
[Winning the pi-digits-from-memory contest with 240 digits](#).

## STUDENTS

- Sameer Kanase  
 Independent Studies in Foundational Graduate Topics in Statistics  
 (Spring 2015 : OSU : STAT 6193)

## RELEVANT COURSEWORK

- Multivariate Data Analysis (Dr. David W. Scott)
- Nonparametric Density Estimation (Dr. David W. Scott)
- Statistical Computing and Graphics (Dr. Hadley Wickham)
- Survival Analysis II (Dr. Javier Rojo)

## REFERENCES

- Available upon request.