

Dominic Dayta

dominicdayta.com

Statistician. Web Developer. Writer.

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EXPERTISE / FIELDS OF INTEREST

Statistics + Data Science

Statistical quality control. Nonparametric and semiparametric modeling. Natural language processing. Stochastic processes and queueing theory. Functional analysis.

Web + Software Development

Javascript. Python. PHP. Object-oriented programming. API/Backend Development. NodeJS. Django. CodeIgniter. Robotic Process Automation.

ORGANIZATIONAL AFFILIATIONS

International Association for Statistical Computing (IASC)

Asia Regional Chapter

Regular Member

2021 - Present

Institute of Mathematical Statistics (IMStat)

Regular Member

2021 - Present

EDUCATION

University of the Philippines

Master of Science, Statistics

Adviser: Ernie B. Barrios, Ph. D.

Thesis: "Semiparametric Latent Topic Modelling On Consumer Generated Corpora"

Diliman, Quezon City, PH

2017 - 2021

Bachelor of Science, Statistics

Magna Cum Laude

Best Undergraduate Paper (see Awards)

2013 - 2017

WORK AND EMPLOYMENT

University of the Philippines – School of Statistics **Quezon City, PH**
Assistant Professor 2021 – Present

**De La Salle University – Br. Alfred Shields Ocean
Research (SHORE) Center** **Offsite**
Project Staff / Consultant 2021-2022
“Project ExPERT: Examination of Possible Eutrophication of
Reefs in Tubbataha”

Jollibee Worldwide Services **Pasig City, PH**
Knowledge Management Head 2019 – 2021
Quality Management Officer

Knowledge Management 2017 – 2019
Quality Management Specialist

HONORS AND AWARDS RECEIVED

- 2018 **First Place for Breakthrough Idea, Accenture Data Challenge**
For the presentation, “Using Dynamic Simulations on MRT Passenger Traffic Data
to Optimize Service Performance”
Accenture Philippines
- 2017 **Best Undergraduate Paper Award**
Conferred by the School of Statistics, University of the Philippines, Diliman
For the paper, “Exploring the Performance of Classical Linear Regression in
Key Driver Analysis for Likert-Response Variables: A Simulation Study”
Co-authors: Benabaye, I; Donato, P; Cabral, A
School of Statistics, University of the Philippines – Diliman
- Amelia Lapena Bonifacio Literary Prize**
Conferred by the Department of English and Comparative Literature (DECL),
University of the Philippines, Diliman
First Prize for Short Fiction: “A Firsthand Account of the End of the World”
(see Literary Works)
Second Prize for Short Fiction: “The Process”
- 2016 **Gawad Rogelio Sicat**
Conferred by the Kolehiyo ng Wikang Filipino, University of the Philippines,
Diliman
First Prize for Short Fiction: “Mga Kalapating Papel” (see Literary Works)
- 2015 **Amelia Lapena Bonifacio Literary Prize**
Conferred by the Department of English and Comparative Literature (DECL),
University of the Philippines, Diliman
Second Prize for Short Fiction: “Photograph” (see Literary Works)
- 2013 **World War II True Stories Contest**
Conferred jointly by the Philippine Daily Inquirer and Philippine Veterans
Bank
Second Prize: “An Amazona In Manila” (see Literary Works)

ACADEMIC PUBLICATIONS / CONFERENCE CONTRIBUTIONS

- 2021 Semiparametric Latent Topic Modeling On Consumer Generated Corpora
Co-authors: Barrios, ErnieL
Preprint (arXiv): arXiv:2107.10651 [cs.CL]
- 2018 Data Visualization for the New Age: An Experimental Study Exploring
the Merits of Human Perception on Visualization Techniques for
Improved Statistical Communication
Co-authors: Benabaye, I; Donato, P; Escalante, S
Invited Paper, International Conference on the Teaching of Statistics (ICOTS)
2018. Organized by the International Association for Statistics Education
(IASE).
Kyoto, Japan.

LITERARY WORKS

(The following list has been reduced to conserve space.)

- 2021 Wednesday Girl
Short Fiction
Quarterly Literary Review Singapore
- 2019 Mga Kalapating Papel
Short Fiction
Liwayway
Recipient of the Gawad Rogelio Sicat (2016)
- A Firsthand Account of the End Of The World
Short Fiction
The Brasilia Review
Recipient of the Amelia Lapena Bonifacio Literary Prize (2017)
- A Flowchart for the Queen
Short Fiction
Quarterly Literary Review Singapore
- 2017 My Youth's Soundtrack
Personal Essay
Part of the anthology "Young Blood 6".
Edited by RS De Vera, RA Garcellano, P Pastor & JVD Rufino.
A reprint of the original essay appearing in the Philippine Daily Inquirer,
Young Blood section (2015).
- 2015 Floyd And Meredith Forever
Short Fiction
The Brasilia Review
Recipient (under the original title "Photograph") of the Amelia Lapena
Bonifacio Literary Prize (2015)
- Time: From The Perspective of a Wristwatch
Short Fiction
Panorama Magazine, Manila Bulletin
- 2013 An Amazona In Manila
Nonfiction
Philippine Daily Inquirer
Awarded second prize in the Philippine Daily Inquirer World War II True
Stories Contest

SPEECHES / SEMINARS

- 2019 Topic Modelling on Consumer Generated Corpora
National Conference on Statistics (NCS) 2019. Organized by the Philippine
Statistical System.
Crowne Plaza Manila Galleria, Quezon City, Metro Manila
- 2018 Data Storytelling and Visualization: Making Engaging Reports Without
Losing Sight of the Facts
29th National Quality Forum. Organized by the Philippine Society for Quality
(PSQ).
Okada Manila, Paranaque, Metro Manila

[Updated: 1 September, 2021]