



Romy Rodríguez-Ravines, PhD

Bridging Science, Strategy, and Innovation to Cyber Risk
Data-Driven Decision-Maker

About me

I am a seasoned expert in advanced analytics, data science, and statistical engineering, with 25+ years leading data-driven innovation across sectors such as cybersecurity, finance, risk, marketing, energy, and public health. My approach integrates deep technical expertise with strategic vision, enabling organizations to address complex challenges through rigorous, data-driven methodologies. I excel at translating sophisticated analytical models into actionable insights, engaging effectively with both technical teams and executive leadership.

As a PhD in Statistics, published researcher, and university professor, I bring a strong academic foundation and a commitment to advancing the field. I have held senior leadership roles including Head of Research and Modeling Strategies at DeNexus, Group Manager at Avanade, and Chief Knowledge Officer at Bayes Forecast. My international experience spans Spain, Brazil, and Peru, providing me with a multicultural perspective and fluency in Spanish, English, and Portuguese.

I thrive in environments that value innovation and am passionate about building high-impact data science capabilities that bridge academic rigor with real-world business value.

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Professional Experience in Spain

UAX

Head of Studies. Computer Engineering 2026–Now

DeNexus

Head of Research and Modeling Strategies 2021–2025

Avanade

Group Manager of Advanced Analytics 2019–2020

Innova-tsn

Senior Manager of Advanced Analytics 2017–2019

Bayes Forecast

Chief Knowledge Officer 2008–2017

Academic & Research Roles

Part-time Professor

Alfonso X El Sabio University. Business and Tech 2024–Now
Nebrija University. Economics and Business 2020–2023

Postdoctoral Fellow

Oswaldo Cruz Foundation. PMAGS & ENSP 2004–2007

Publications

12+ peer-reviewed papers in *Computers & Operations Research*, *Computational Statistics*, *Journal of Hydrology*, *Applied Stochastic Models to Business and Industry*, etc. 2006–Now

Education

Doctor of Philosophy, Statistics

UFRJ. Rio de Janeiro, Brazil 2003–2006

Master's Degree, Statistics

UFRJ. Rio de Janeiro, Brazil 2001–2003

Master's Degree, Systems Engineering

UNI. Lima, Peru 1994–1997

Bachelor's Degree, Statistics

UNALM. Lima, Peru 1989–1994

Highlights

Speaker at international cybersecurity and data analytics conferences
Principal Investigator in national innovation projects on cyber risk modeling
Recognized by ISBA and CNPq for research excellence in Bayesian statistics.

Romy Elena Rodríguez-Ravines PhD

Connecting People, Problems, and Possibilities Through Data

Who I am

I turn complexity into clarity. For over 25 years, I've helped organizations unlock the power of data to solve their toughest challenges and create measurable impact. My passion lies in designing AI-driven solutions that don't just optimize technology investments—they transform business outcomes.

With a Ph.D. in Statistics and experience leading innovation across cybersecurity, financial services, marketing, and industrial infrastructures, I bridge academic rigor with real-world execution. Recently, I spearheaded the development of a cyber risk quantification engine for OT networks, redefining how industrial organizations manage risk.

Fluent in Spanish, English, and Portuguese, I thrive in global environments and have led high-performing teams across Spain, Brazil, and Peru. I'm recognized for inspiring talent, fostering innovation, and building strategies that turn data into a competitive advantage.

Professional Experience

📍 Madrid, Spain

DeNexus

03/2021 – 10/2025

Head of Research and Modeling Strategies

DeNexus is the leading provider of **cyber risk quantification** solutions for ICS/OT organizations, global insurers, and (re)insurers. Its mission is to build the global standard of industrial cyber risk quantification for insurance agencies, shareholders, investors and boards.

As *Head of Research and Modeling Strategies*, I was responsible for proposing, building and maintaining the mathematical modeling system that quantifies cyber risk. DeRISK is the SaaS product offered by DeNexus, the modeling system is its engine. The modeling system combines expert knowledge elicitation, Bayesian inference, numerical simulation and optimal decisions under uncertainty.

I also lead data efforts such as finding, understanding and evaluating data sources, designing and building indicators for key concepts in collaboration with our cyber subject matter experts, designing and leading the building of dashboards and reports, participating in meetings with stakeholders, partners and investors.

Latest posts on the DeNexus' blog:

- 📄 [AI Agents in DeRISK for Industrial Cyber Risk Management.](#)
- 📄 [DeNexus Knowledge Center: The Richest Dataset for Cyber Risk Quantification and Management.](#)
- 📄 [How DeNexus Leverages the Power of AI and ML in Cyber Risk Quantification and Management platform, DeRISK.](#)

Avanade

09/2019 – 06/2020

Group Manager of Advanced Analytics

Avanade is an innovative leader in digital and cloud services, business solutions and design-led experiences via **Microsoft** technology.

As *Group Manager of Advanced Analytics* in the *Data and Artificial Intelligence Market Unit*, I was responsible for defining and developing solutions that create value for data-driven businesses using machine learning and artificial intelligence. The role includes defining hypothesis and analytical approaches, formulating models, interpreting results, and prescriptive recommendations for how to use the generated data and models to drive actionable business decisions.

Examples of led initiatives at Avanade:

- </> *Knowledge Mining and AI Builder using Cognitive Services, Azure Search & Power Apps: Knowledge Finder* for the automotive sector and innovation in the ventilation equipment industry.
- </> Document analysis with *Text Mining*: Supervised classification of incidents received in the inbox of a help desk and Unsupervised classification of incidents received in an insurer's call center.
- </> Preparation of Technical Proposals and Training Workshops about *Dynamics 365 Customer Insights*, the use and integration of *Azure Machine Learning Services* in other systems and *MLOps: Machine Learning Operations*.
- </> Preparing virtual event on Knowledge Mining with Microsoft Spain.

Innova-tsn

10/2017 – 08/2019

Senior Manager of Advanced Analytics

Innova-tsn pursues customized solutions to deliver new and innovative ideas with a clear goal: provide the Clients with competitive advantages to assist their decisions. In other words, *Innova-tsn* helps companies in their decision-making processes, to turn decisions into actions with a real impact on their results. *Innova-tsn* offers complete, goal-driven solutions in the areas of System Architecture, Data Engineering, Customer Intelligence, Business Discovery and Advanced Analytics.

As *Manager of Advanced Analytics* I collaborated with all departments at *Innova-tsn* in all the activities with an analytical component. Responsible for generating and leading best practices around the application of machine learning and modeling to different sectors and business problems. Responsible for building solutions, describing commercial proposals, providing guidelines to develop key projects, leading communication with clients, participating in marketing activities, personnel selection, supporting the professional growth of the team and collaborating with the Innovation Lab.

Examples of led initiatives at *Innova-tsn*:

- </> *Voice of Customer* and *Customer Experience* applying *Text Analytics* (Topic Modelling and Sentiment Analysis).
- </> Demand of Airline Transportation, Audience per Advertising Block in TV and Units of a drug required per hospital (Classification of Time Series, *Demand Forecasting* using Statistics and Machine Learning algorithms).
- </> *Customer Churn Predictive Models* (using Classification algorithms).
- </> Methodology for *diagnosing and monitoring predictive models*.
- </> Marketing and Business Development. Preparing documents on the application of advanced analytics to different sectors and describing the technical solution of the proposals and / or responses to RFPs. Some communications: [Big Data to Action 2018](#), [Smart Data Summit 2018](#)

Communications (in Spanish)

📺 [Big Data to Action 2018](#): "¿Qué es Big Data? Le preguntamos a Twitter"

📺 [Smart Data Summit 2018](#): "In-Scoring, Machine Learning y Big Data al servicio de la Puntuación Inteligente" [Slides]

📺 [MSMK 2019](#): "Mirar hacia atrás para impulsar el futuro. Analítica Avanzada y Previsión de Demanda"

Bayes Forecast

02/2008 – 09/2017

Chief Knowledge Officer

Bayes Forecast is specialist in data treatment and organization from various sources, as well as in the creation and development of modeling systems, which use business knowledge and provide accurate forecasts that have a huge impact on strategic decisions: they maximize the profitability of investments, minimize costs, optimize inventories, retain and win customers, create new products, etc.

Working positions held at *Bayes Forecast*:

- </> **Chief Knowledge Officer**: Managing the documentation and controlling the management of knowledge acquired over more than 25 years of experience. Specifically, managing the information and sources of all the Use Cases (projects implemented, proposals presented, etc.) and activities related to Bayes School (courses, talks, etc). In charge of the contents of the web page published in February, 2017.
- </> **Developer of the (commercial) channel Microsoft**: Managing and developing the relationship between Bayes and Microsoft. Preparing technical proposals for business opportunities identified by Microsoft. Addressing initiatives across ISVs launched by Microsoft and attending communications and activities organized by Microsoft for demand generation.
- </> **Academic Dean of Bayes School**. Organizing training actions both internal and requested by Clients. Designing contents adapted to Customer requirements. Developing and organizing theoretical and practical contents. Teaching. Evaluating professors and courses qualities with surveys.
- </> **Production Department Sub-Director**. Managing the allocation of human resources, monitoring the projects progress, controlling its profitability. Ensuring the coordination between different Departments: Systems Engineering, Modelling, Products, R&D, and Customer Service. Suggesting technological development (innovating) with the aim of increasing teams and processes efficiency.
- </> **Pre-Sales Director**. Link between the Commercial Department and the Production Department. Suggesting technical solutions that meet business issues described by each Customer to the Account manager. Preparing technical proposals and attending preparation meetings and defending them. Directing and executing Proofs of concept.

- </> **Quality and Communication Director.** Guaranteeing the quality of production: supervising the performed analyses and the applied techniques, as well as suggesting changes and innovations. Ensuring effective communication of project results by reviewing the correct use of the Customer business language. Advising Account and Project Managers in the communication of technical results and in the development of deliverables.
- </> **Account Manager.** Guaranteeing the correct development and quality of all projects of the Account. Detection of business opportunities in the Customer. Preparation and presentation of commercial proposals. Organizing meetings and communicating results, adapting ourselves to the different levels of the Customer organization.
- </> **Project Leader.** Leading modeling teams and coordinating them with technology ones. Managing times and human resources dedicated to the projects. Supervising data analysis and applying modeling techniques and algorithms. Controlling the quality of deliverables. Providing Customer Service: communicating the Project progress and risks, results and advice on the exploitation of the delivered systems.
- </> **Sr. Modeling Analyst.** Developing and interpreting statistical - dynamic and Bayesian - models with the aim of understanding and forecasting the demand. Advising Clients in the exploitation of their data and developing modeling systems for decision-making.

Examples of led initiatives at Bayes Forecast:

- </> Marketing Mix Models, Behavioral segmentation for customer loyalty (*Retail*), Customer propensity to complain, Forecasting demand for new products (*Telecommunications*), Cost-predictive modeling (*Technology*), Predictive models in retail banking, High-income customer churn, Risk of default in consumer credit, Acquisition of investment products, Probability of credit card fraud, Bank teller optimization, Debt collection, Increasing success rate for cross-selling activities (*Banking*)

Rio de Janeiro, Brazil

National School of Public Health (ENSP). **Oswaldo Cruz Foundation**

01/2007–12/2007

Postdoctoral Research Fellow

Project: *Forecasting the number of cases and modeling the transmission of dengue and leptospiroses*

Programa de Mudanças Ambientais Globais e Saúde (PMAGS). **Oswaldo Cruz Foundation**

06/2004–02/2006

Postdoctoral Research Fellow

- </> Research 1: Development of Complex Indicators for the Evaluation, Modeling, and Forecasting of the Impacts of Climate Change and Variability on Human Health."2004. Funded by the Inter-American Institute for Global Change Research (IAI)
- </> Research 2: Analysis of the Vulnerability of the Brazilian Population to the Health Impacts of Climate Change."2005. Funded by the Ministry of Science and Technology (MCT).
- </> Research 3: Comparative Study of Dengue Incidence Rates in Six Brazilian Capital Cities in 2006.

Lima, Peru

Food and Agriculture Organization (FAO) of the United Nations (UN)

10/2010–12/2010

Short-term Consultant

Project: *Consultoría Nacional en Econometría para la Actualización del Mapa de Desnutrición Crónica Infantil a 2009*

- </> Book: *"Mapa de Desnutrición Crónica en Niñas y Niños Menores de Cinco Años a Nivel Provincial y Distrital, 2009 PDF*

Inter-American Development Bank (IDB)

08/2007–07/2009

Short-term Consultant

Project: *Mejoramiento de las Estadísticas para la Medición de las Condiciones de Vida ATN/OC-9256-RG*

- </> Research 1: *Estimación en Áreas Menores: Pobreza, 2005*
- </> Research 2: *Medición del Impacto de Programas Sociales: Evaluación Ex-ante de Juntos*
- </> Research 3: *Estimación en Áreas Menores: Desnutrición Crónica, 2007 PDF*

EU-CAN Cooperation Project on Statistics (ANDESTAD)

10/2007–12/2007

Short-term Consultant

Project: *ANDESTAD: Estudio Diagnóstico: Estadísticas de Pobreza. PDF1 PDF2*

Conducted comparative analysis of poverty measurement methods in the Andean Community, including Poverty Line, Unsatisfied Basic Needs, capability-based indices (HDI, HPI, etc.), and multidimensional approaches. Evaluated statistical indicators, assessed data reliability from household surveys, and contributed to the harmonization of poverty statistics across member countries.

Short-term Consultant

Project: Poverty Measurement with the ENAHO 2005

National Institute of Statistics (INEI)

03/2000–12/2000

Statistical Consultant

Project: *de Programas para el Procesamiento y Generación de Tabulados para la Medición de Pobreza y Condiciones de Vida en el Perú, 1999*

PER/98/008, Programa de Mejoramiento de las Encuestas y la Medición de Condiciones de Vida en el Perú, MECOVI-Perú

Processed data from the National Household Survey (ENAHO) for multiple research projects, including “Peru: Living Standards and Poverty, 1999” and “Apparent Nutrient Consumption in Peruvian Households.” Estimated panel data models and Logit-Probit models for the analysis of living standards from 1997 to 1999. Assessed the statistical consistency and reliability of estimates based on ENAHO 1999-Q4. Calculated poverty levels using the Poverty Line method and household per capita income on a quarterly basis starting in Q4 1997. Participated in workshops on demographic and economic indicator estimation for small areas and on social indicators related to living conditions and poverty in Peru.

National Institute of Statistics (INEI)

07/1999–02/2000

Statistical Consultant

Project: *Generación de Tabulados y Asesoría en Aspectos Estadísticos*

PER/98/008, Programa de Mejoramiento de las Encuestas y la Medición de Condiciones de Vida en el Perú (MECOVI)

Applied econometric models—linear and probit—to estimate household per capita expenditure and poverty rates at the district level using data from the Population and Housing Census. Processed information requests across multiple datasets, including ENAHO (1997–1999), the 1993 Population and Housing Census, and the 1996 University Census. Generated indicators and assessed the reliability of estimates for studies on “Educational Characteristics of the Population” and “Demand for Health Services in Peru,” based on ENAHO 1998-Q4.

Servicio Nacional de Sanidad Agraria del Perú (SENASA). Ministry of Agriculture

08/1998–12/2000

Statistics Specialist

Prepared experimental designs to estimate the economic impact of pests and diseases on national agricultural production. Conducted statistical analysis of experimental designs related to biological pest control. Processed foreign trade data from quarantine control stations to support agricultural health monitoring and policy evaluation.

Ministry of Education

07/1997–10/1998

Statistical Consultant

Project: *Consultoría Local en Estadística para el Censo Nacional de Educación Tecnológica y Pedagógica 1997. Programa para el Mejoramiento de la Educación Peruana (MECEP)*

United Nations Development Programme (UNDP)

01/1997–04/1997

Statistical and IT Consultant

Project: *PER/96/033 Informe de Desarrollo Humano del Perú*

Calculated the Human Development Index (HDI) for the years 1991, 1993, and 1995 at national and departmental levels. Estimated complementary indices including the Gender-related Development Index, Gender Empowerment Measure, and Capability Poverty Index. Produced a full set of human development indicators covering deprivation, urban-rural disparities, women's status and participation, child survival and development, health, education, employment, poverty, access to social programs, GDP trends, urbanization, demographic profiles, and internal migration. Processed data from ENAHO (1995-Q4), ENAPROM (1994), and ENSECO (1991). Assessed the reliability and precision of all calculated indicators.

National Institute of Statistics (INEI)

01/1996–12/1996

Research assistant

</> Research 1: *Los Ciclos Económicos en el Perú: 1950-1995*. [PDF](#)

</> Research 2: *Elasticidad de la Demanda de los Principales Bienes y Servicios Consumidos por las Familias de Lima Metropolitana*. [PDF](#)

</> Research 3: *Desestacionalización de Series de Tiempo Económicas*. [PDF](#)

</> Research 4: *Encuesta para Centros Educativos Ocupacionales e Institutos Superiores Tecnológicos*

</> Research 5: *Medición de los Niveles de Vida y Pobreza de los Hogares del Perú, 1995*. [PDF](#)

Teaching and Lectures

2024–2026	Alfonso X el Sabio University (UAX) Part-time Professor BD in Business Analytics and BD in Computing and Artificial Intelligence Business Statistics I, Business Statistics II and Fundamentals of Data Science
2020–2023	Antonio de Nebrija University Part-time Professor BD in Economics and International Business Econometrics I (English) and Econometrics II
2019–2022	Carlos III University (UC3M) Guest Lecturer Master in Statistics for Data Science Statistics for Data Science from the business perspective in 2019, Business and Data Science, Challenges ahead, Cybersecurity Challenges Calling for Statistical Solutions
2017–2019	Rey Juan Carlos University (URJC) Guest Lecturer Master in Data Science Marketing and Advanced Analytics, Predictiva Analytics and Bayes' Theorem
2016–2017	International Center for Financial Education (CIFE) in Alcalá de Henares University (UAH) Part-time Professor Master in Big Data and Business Analytics (Specializations of Finance and Marketing) Bayesian and Dynamic Models: applications to marketing
2017	EAE Business School Part-time Professor Master in Business Intelligence and Technology Innovation Data Analytics & Visualizations II
2014	Universitat Politècnica de Catalunya (UPC) Guest Lecturer Master's degree in Statistics and Operations Research Big Data and Statistics
2001–2004	Federal University of Rio de Janeiro (UFRJ) Graduate Teaching Assistant Institute of Mathematics. Bachelor's and Master's degrees Time Series Modeling, Probability Calculation and Bayesian Hierarchical Models, Econometric

Education

2003–2006	Doctor of Philosophy (PhD), Statistics Federal University of Rio de Janeiro (UFRJ) , Brazil Institute of Mathematics <i>PhD validated by the University of Vigo (Spain). Nov, 2007</i> <i>Thesis: Um Esquema Eficiente de Amostragem em Modelos Dinâmicos Generalizados com Aplicações em Funções de Transferência (in Portuguese)</i> <i>Abstract: We propose a multiple sampling algorithm for the state vector parameters of non-linear state-space models for univariate time series with non-Gaussian observations. Our proposal combines the Conjugate Updating approach for GLM with the Backward Sampling used in Normal dynamic models.</i>
2001–2003	Master's Degree, Statistics Federal University of Rio de Janeiro (UFRJ) , Brazil Institute of Mathematics <i>Dissertation: Estimacão de Modelos Hierárquicos com Dados de Pesquisa por Amostragem Informativa (in Portuguese)</i> <i>Abstract: We propose an approach for using Bayesian inference in generalized hierarchical models for data obtained from informative sampling.</i>
1994–1997	Studying for M.Sc. in Systems Engineering National University of Engineering (UNI) , Lima - Peru Graduate School. Faculty of Industrial and Systems Engineering

- 1997–1997 **Studying for a Diploma in Computing**
National Agrarian University (UNALM), Lima - Peru
Department of Statistics and Informatics
- 1989–1994 **Bachelor's Degree, Statistics**
National Agrarian University (UNALM), Lima - Peru
Department of Statistics and Informatics
Dissertation: Análisis y Diseño de un Sistema de Facturación para la empresa CETCO S.A. (in Spanish)
Abstract: We propose an information system for the complete billing cycle of a company, including a dashboard with statistical indicators.

Research Grants and Awards

- 2008 **Postdoctoral Research Grant – Awarded but declined**
Fundação de Amparo à Pesquisa do Estado do Rio de Janeiro (FAPERJ)
- 2007 **Postdoctoral Fellowship**
Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)
- 2007 **Postdoctoral Fellowship**
Fundação de Apoio à Pesquisa e à Extensão (FAPEX) '
- 2006 **Visiting Scholar at Universidad Rey Juan Carlos (Madrid, Spain) for a 6-month research stay.**
Coordenação de Aperfeiçoamento de Pessoal de Nivel Superior (CAPES)
- 2005 **WNAR / COBAL 2 Award for Best Poster Presentation: Transfer functions and Spatial models applied to the rainfall-runoff problem**
Western North American Region of the International Biometric Society/ISBA
- 2003 – 2006 **Academic Scholarship – Financial aid covering two years of master's studies**
Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)
- 2001 – 2003 **Academic Scholarship – Financial aid covering four years of doctoral studies.**
Coordenação de Aperfeiçoamento de Pessoal de Nivel Superior (CAPES)

Publications

Scientific Papers

- 2016 **7. Impact of Environment and Social Gradient on Leptospira Infection in Urban Slums**
Reis, Ribeiro, Felzemburgh, Santana, Mohr, Melendez, Queiroz, Romy R Ravines, et.al.
Slum Health: From the Cell to the Street: Edited by Jason Corburn and Lee Riley. Berkeley: University of California Press, pp. 118-133
doi: 10.1525/9780520962798-012
- 2014 **An Effective Heuristic for Multistage Linear Programming with a Stochastic Right-Hand Side**
C.Beltran-Royo, L.F.Escudero, J.F.Monge, Romy R Ravines.
Computers & Operations Research: Volume 51. Pages 237-250.
doi:10.1016/j.cor.2014.06.010
- 2014 **Prospective Study of Leptospirosis Transmission in an Urban Slum Community: Role of Poor Environment in Repeated Exposures to the Leptospira Agent**
Felzemburgh, Ribeiro, Romy Rodríguez-Ravines, et.al
PLOS Neglected Tropical Diseases: Volume 8. Issue 5, e2927.
doi: 10.1371/journal.pntd.0002927
- 2013 **An efficient sampling scheme for dynamic generalized models**
Helio S. Migon, Alexandra M. Schmidt, Romy R Ravines
Computational Statistics: Volume 28, Issue 5, pp 2267-2293.
doi: 10.1007/s00180-013-0406-9

- 2009 **Public health vulnerability to climate change in Brazil**
Ulises Confalonieri, Diana P. Marinho, Romy R Ravines
Climate Research: 40(2-3):175-186.
[doi: 10.3354/cr00808](https://doi.org/10.3354/cr00808)
- 2008 **A joint model for rainfall-runoff: the case of Rio Grande Basin**
Romy R Ravines, Alexandra M. Schmidt, Helio S. Migon
Journal of Hydrology: Volume 353, Number 1, pp 189-200. ISSN 0022-1694
[doi: 10.1016/j.jhydrol.2008.02.008](https://doi.org/10.1016/j.jhydrol.2008.02.008)
- 2008 **Impact of Environment and Social Gradient on Leptospira Infection in Urban Slums**
Reis, Ribeiro, Felzemburgh, Santana, Romy R. Ravines, et.al
PLOS Neglected Tropical Diseases: Volume 2. Issue 5, e228.
[doi: 10.1371/journal.pntd.0000228](https://doi.org/10.1371/journal.pntd.0000228)
- 2006 **Revisiting Distributed Lag Models Through a Bayesian Perspective**
Romy R Ravines, Alexandra M. Schmidt, Helio S. Migon
Applied Stochastic Models to Business and Industry: Volume 22, Issue 2. pp 193-210
[doi: 10.1002/asmb.628](https://doi.org/10.1002/asmb.628)

Conference Proceedings and Scientific Divulcation

- Nov, 2025 **Using LLM Agents for Data Integration in Cybersecurity Incidents**
Madrueno, N., Rueda, J., García-Ochoa, J., Fernández-Isabel, A., Martín de Diego, I., R. Ravines, R.
In: Martínez, L., et al. Intelligent Data Engineering and Automated Learning – IDEAL 2025. IDEAL 2025. Lecture Notes in Computer Science, vol 16238. Springer, Cham: 358--370
[DOI](#)
- Jun, 2025 **Defining the Basal Attractiveness Concept for Cybercriminals**
García-Ochoa, Javier; Fernandez-Isabel, Alberto; de Diego, Isaac Martín; Contreras, Clara; Ravines, Romy R.; Lopez, Ovidio
X Jornadas Nacionales de Investigación en Ciberseguridad: 517–521
[PDF](#)
- Jun, 2025 **Dynamic Industrial Cyber risk Modelling based on Evidence (DICYME)**
Fernández-Isabel; de Diego; Cano; Fernández, García-Ochoa; Romy R Ravines; López; Puigbó
X Jornadas Nacionales de Investigación en Ciberseguridad: 64–67
[PDF](#)
- 2019 **Mirar hacia atrás para impulsar el futuro. Analítica Avanzada y Previsión de Demanda**
Romy R Ravines
Big Data Analytics. Una Mirada Multisectorial. Madrid School of Marketing: 64–67
[PDF](#)
- Feb, 2009 **Dinâmica da Transmissão da Leptospirose Urbana: um estudo de Coorte Prospectiva Em uma Comunidade de Alto Risco em Salvador-Bahia**
Reis; Felzemburgh; Ribeiro; Costa; Fraga; Santos; Romy R Ravines; Carvalho; Reis; Ko; Santos
Congresso da Sociedade Brasileira de Medicina Tropical: 45
[URL](#)
- Nov, 2007 **Estudio de Diagnóstico Pobreza Monetaria a través de las Encuestas a Hogares**
Romy R Ravines
Instituto Nacional de Estadística e Informática (INEI): 93 pages
- Jun, 2007 **Integrating Data for The Assessment of National Vulnerabilities to the Health Impacts of Climate Changes: A Novel Methodological Approach and a Case Study from Brazil**
U.E.C. Confalonieri, D.P. Marinho and Romy R Ravines
Proceedings IPCC / TGICA Expert Meeting on Integrating Analysis of Regional Climate Change & Response Options: 189–196
[PDF](#)
- Aug, 1997 **Informe sobre el Desarrollo Humano del Perú: índices e indicadores**
Romy R Ravines
United Nations Development Programme (UNDP Perú) and Instituto Nacional de Estadística e Informática (INEI Perú): ISBN 9972-612-03-1. 93 pages

Nov, 1996	Desestacionalización de Series de Tiempo Económicas Marcos Robles and Romy R Ravines <i>Instituto Nacional de Estadística e Informática (INEI Perú)</i> : 234 pages PDF
May, 1996	Elasticidad de la Demanda de los Principales Bienes y Servicios Consumidos por las Familias de Lima Metropolitana Marcos Robles and Romy R Ravines <i>Instituto Nacional de Estadística e Informática (INEI Perú)</i> : 115 pages PDF
May, 1996	Los Ciclos Económicos en el Perú Marcos Robles and Romy R Ravines <i>Instituto Nacional de Estadística e Informática (INEI Perú)</i> : 136 pages PDF

Innovation and Technology Transfer Projects

2022 – 2025	Dynamic Industrial Cyber Risk Modeling based on Evidence (DICYME) Principal Investigators: Romy R Ravines (DeNexus) and Marta Beltrán (URJC) Funding Entity: Ministerio de Ciencia, Innovación y Universidades (Spanish Government). Proyectos en Colaboración Público Privada CPP2021-009025. URL .
2021 – 2022	Modelización del riesgo unitario y acumulación de riesgo derivado de la ciberseguridad Principal Investigators: Romy R Ravines (DeNexus) and David Rios-Insua (ICMAT, CSIC) Funding Entity: DeNexus Tech S.L. URL .
2021 – 2022	Research on quantitative OT cyber risk analysis Principal Investigators: Romy R Ravines (DeNexus) and Marta Beltrán (URJC) Funding Entity: DeNexus Tech S.L. .
2021 – 2021	Estudio actuarial sobre la cuantificación del riesgo asociado a ciberseguridad en infraestructuras críticas y la viabilidad de un Ciberseguro para ellas Principal Investigators: Romy R Ravines (DeNexus) and Alejandro Balbas de la Corte (UC3M) Funding Entity: DeNexus Tech S.L. URL .
2022 – 2022	Construcción de un modelo de evaluación de los precios de los coches en España Principal Investigators: Romy R Ravines (Nebrija University) and Stefano Cabras (UC3M) Funding Entity: Kroll Advisory, S.L.. URL .

Selected Talks

Oct, 2025	Mesa Redonda: Empresa y ciberseguridad <i>Congreso Internacional de Ciberseguridad: Empresa, Investigación y Sociedad</i> Alfonso X El Sabio University and Oviedo University Madrid. URL
Oct, 2025	Leveraging Data and AI for Cyber Risk Management <i>III Semana de la Ciberseguridad UAX</i> Alfonso X El Sabio University (UAX) Madrid. URL
Sep, 2022	Modeling of Catastrophic Cyber Events in Industrial Environments. Impact on Portfolio Risk Accumulation <i>19 Congreso Internacional de Ciberseguridad Industrial.</i> Industrial Cybersecurity Center (CCI) Madrid. URL  XIX Congreso Internacional de Ciberseguridad Industrial Europeo 2022: “Modeling of Catastrophic Cyber Events in Industrial Environments. Impact on Portfolio Risk Accumulation” [Slides]

Feb, 2022	Cyber Risk: From the Control Room to the Board Room <i>Hack On</i> Rey Juan Carlos University (URJC) Madrid. URL
Dec, 2020	Bayesian Topic Modeling: Clustering for High-Dimensional Categorical Data applied to Text Analytics <i>III Conferencia Internacional en Procesos Estocásticos, Fenómenos Aleatorios y sus Aplicaciones (CIPEFA)</i> Universidad Nacional de Ingeniería (UNI) Lima. URL  Cipefa 2020: "Bayesian Topic Modelling: Clustering for High-Dimensional Categorical Data applied to Text Analytics"
Feb, 2019	Conociendo mejor la Experiencia de Cliente mediante Text Analytics <i>Semana del Seguro</i> INESE Madrid. URL
Jun, 2018	In-Scoring, Machine Learning y Big Data al servicio de la Puntuación Inteligente <i>Smart Data Spain Summit</i> Madrid School of Marketing Madrid. URL  Smart Data Summit 2018: "In-Scoring, Machine Learning y Big Data al servicio de la Puntuación Inteligente"
Mar, 2018	¿Qué es Big Data? Le preguntamos a Twitter <i>Big Data to Action</i> Madrid School of Marketing Madrid. URL  Big Data to Action 2018: "¿Qué es Big Data? Le preguntamos a Twitter"

Languages

Spanish	Native
English	Professional working proficiency
Portuguese	Professional working proficiency

24 de agosto de 2026