Elena Villalobos Nolasco

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National Autonomous University of Mexico (UNAM)

Mexico City.

Research Interests

Decision models, choice behavior, applied behavioral sciences, intertemporal choice, behavioral economics, Bayesian cognitive modeling, Bayesian inference, data analysis, learning models, behavior measurement, risky behaviors.

Education

2018 - 2019

Applied Statistics Specialist
Thesis Project: Bayesian Evaluation of intertemporal choice models.
Research Institute in Applied Mathematics and Systems, UNAM.

2012 - 2016

Bachelor's degree with honors in Psychology
Thesis Project: Studies in intertemporal choice.
Concentration area: Behavioral and Cognitive Sciences.
School of Psychology, UNAM.

Academic & Professional Experience

Autumn, 2019 - present

Trainer
Global Project Training with the Common Cents Lab: Improving financial decisions for low -to moderate- income households using behavioral science knowledge.
Center for Advanced Hindsight, Duke University - Proyecto ICCE, UNAM.

Autumn, 2018

Project Manager
Project of Processes Assessment and Documentation of the 'Construye T" program: Evaluating institutional efforts to promote and to develop social emotional skills in junior students.
UNAM / United Nations Development Programme / Secretary of Public Education.

Spring, 2018

Research Assistant
Project of Integration of Behavioral Sciences and Economics (Proyecto ICCE).
Perception, cognition and behavioral economics Laboratory, UNAM.

2015 - 2019

Lab Manager / Research Assitant
· Project of Application of probabilistic models in the study of cognitive processes and the design of algorithms for service robots.
· Project of Virtual Tools Development to teach Cognitive and Behavioral Sciences.
· Project of Adaptive Learning in Dynamical Environments.
Adaptive Behavior Laboratory (Lab25), UNAM.

Publications

Journal Articles

2017

Chávez, M. E., Villalobos, E., Baroja, J. L., & Bouzas, A. (2017). *Hierarchical Bayesian modeling of intertemporal choice.* Judgment and Decision Making, 12(1), 19-28.
http://journal.sjdm.org/16/16906/jdm16906.pdf

SYMPOSIA

2017	Villalobos, E., & Bouzas, A. (October). *Interval effects and intransitivity in intertermporal choice and risky choice.* Symposium conducted at the VI International Seminar about Behaviour and Applications, Tlaxcala, Tlaxcala.
2015	Villalobos, E., Chávez, M. & Bouzas, A. (October). *Bayesian Mixture Models for Intertemporal Choice.* Symposium conducted at the V International Seminar about Behaviour and Applications, Mexico City.

POSTERS

2019	Ruiz, A., Villalobos, E., Yáñez, N., & Palafox, G. (November). *Persistence and sunk cost effect in humans: Adjustment to probability distributions of earnings.* Presented at the VII International Seminar about Behaviour and Applications, Guadalajara, Jalisco.
2019	Niño, J.M., Villalobos, E., Villareal, J., Chávez, A.F., & Lira, R. (November). *Transitivity in gains and losses.* Presented at the 40th Annual Conference of the Society for Judgment and Decision Making, Montreal, Canada.
2018	Baroja, J.L., Villalobos, E., & Bouzas, A. (November). *Pigeon adaptation to unsigned changes in the rates of reward of VI-VI concurrent schedules.* Presented at the XIX Biennial Meeting of the International Society for Comparative Psychology, Los Angeles, CA.
2016	Villalobos, E., & Bouzas, A. (November). *Intransitivity in Intertemporal and Risky Choice.* Presented at the 37th Annual Conference of the Society for Judgment and Decision Making, Boston.
2015	Chávez, M. E., Villalobos, E., & Bouzas, A. (November). *Bayesian Mixture Models for Intertemporal Choice.* Presented at the 37th Annual Conference of the Society for Judgment and Decision Making, Chicago, IL.
2015	Villalobos, E., & Bouzas, A. (September). *Variance in cost and task delay.* Presented at the XXV Annual Conference of the Mexican Seminar of Behavioural Analysis, Xalapa, Veracruz.

Scholarships

2018-2019	Project: *Application of probabilistic models in the study of cognitive processes and the design of algorithms for service robots*; (PAPIIT: IG120118).
2017	Project: *Virtual Tools Development to teach Cognitive and Behavioral Sciences*; (PAPIME: PE310016).
2015-2016	Project: *Adaptive Learning in Dynamical Environments*; (PAPIIT IN307212).
2015	Proyecta 100 mil: Summer english program. California State University, Northridge.

Courses

2017	*Introduction to the use of Psychometric models.* National Institute of Educational Evaluation.
2016	*Statistical Inference Models.* School of Psychology , UNAM.
2015	*Game Theory Introduction.* School of Psychology, UNAM.
2014	*Probabilistic Inference.* School of Psychology, UNAM.

Technical Skills

Data Management and Statistical Analysis: **R, RStudio, JAGS, Python, Excel.**
Experimental Frameworks: **PsychoPy**.
Typesetting: **LaTeX, knitr, Markdown**.
Version Control: **Git/GitHub**.
Websites programming languages: **html, CSS, Jekyll**.

Languages: **English (IELTS, C1 - February, 2017), Spanish (First Language).**

Updated: April, 2020.