



Samuel Tomas Mamani Matemático

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Professional Profile

Degree in Mathematics (2014), Postgraduate Diploma in Higher Education (2016), Master's in Applied Statistics (2021), PhD candidate in Economics, with skills and knowledge in Neural Networks, Econometric Models, Lie Groups, Symplectic Geometry, and Applied Statistics in Business Management. Currently, I work as a full-time professor at Universidad Privada Boliviana (UPB) and am the founder of the Center for Research and Academic Advancement (CISA).

Education

2024	PhD Candidate in Economics <i>Universidad Privada Boliviana (UPB)</i>	Cochabamba, Bolivia
2021	Master's in Applied Statistics <i>Universidad Mayor de San Simón (UMSS)</i>	Cochabamba, Bolivia
2016	Postgraduate Diploma in Higher Education <i>Universidad Mayor de San Simón (UMSS)</i>	Cochabamba, Bolivia
2014	Bachelor's Degree in Mathematics <i>Universidad Mayor de San Simón (UMSS)</i>	Cochabamba, Bolivia

Additional Training

2024	Specialization in Modern Econometrics <i>National School of Public and Business Training (ENFOPE)</i>	Peru
2023	Machine Learning and Data Science <i>Universidad Privada Boliviana (UPB)</i>	Cochabamba, Bolivia
2022	Graduate Tutor Certification Program <i>Universidad Privada Boliviana (UPB)</i>	Cochabamba, Bolivia
2019	Virtual Tutoring Certification Program <i>Universidad Privada Boliviana (UPB)</i>	Cochabamba, Bolivia

Professional Experience

Current	Full-Time Professor <i>Universidad Privada Boliviana (UPB)</i>	Bolivia
2014-2019	Visiting Professor <i>Universidad Mayor de San Simón (UMSS)</i>	Bolivia
2019-2022	Founder <i>Center for Research and Academic Advancement (CISA)</i>	Bolivia
2015-2017	Founder <i>Mathematics Institute for Pure and Applied Sciences</i>	Bolivia
2011-2014	Teaching Assistant <i>Universidad Mayor de San Simón (UMSS)</i>	Bolivia

Publicaciones

1. Tomas, S., Saavedra, O. y Espinoza, I. Predicción del ciclo solar 25 mediante modelos ARIMA y redes neuronales LSTM. *Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales* 47, 400-411. https://raccefyn.co/index.php/raccefyn/article/view/prediccion_del_ciclo_solar_25_mediante_modelos_arima_y_redes_neu (abr. de 2023).
2. Tomás, S. *Criterio de Frobenius* en VII Workshop Internacional de Matemáticas (Tacna, Perú, 2015).
3. Tomás, S. *Proyección de la exportación de soya mediante Redes Neuronales Recurrentes LSTM* 2022.