Roberto Vasquez Martinez

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Education 📖

2022–on	**MSc in Probability and Statistics**, Research Center in Mathematics (CIMAT), Mexico.	
	Currently studying 2nd Semester.	Current GPA: **9.80/10**
2017–2022	**BSc in Mathematics**, University of Guanajuato, Mexico.	GPA: **9.80/10**

Academic Events ♣

07/20	**12th Summer in Statistics and Modeling in Infectious Diseases** (Washington, USA)
	Participated in the course Stochastic Epidemic Models with Inference.
07/20	**25th Summer Institute in Statistical Genetics** (Washington, USA)
	Participated in the course Genetic Epidemiology and the course Multivariate Analysis for Genetic Data.
11/22	**Workshop: Mathematical Applications in Biological Data Problems** (Morelia, Mexico)
	Application of Topological Data Analysis on false positive detection of *Clavibacter* metagenome. ○

Teaching 🎓

08/20 – 12/20		**Teaching assistant of course: Extreme Value Theory in Finance.** Course of MSc in Probability and Statistics, CIMAT.
08/22 – 12/22		**Teaching assistant of course: Statistical Inference.** Course of MSc in Computational Statistics, CIMAT, Monterrey.
01/23 – on		**Teaching assistant of course: Statistical Models.** Course of MSc in Probability and Statistics, CIMAT.

Awards and Scholarships 🏆

2022	**University of Guanajuato.** Awarded best student of 2017's generation. (Guanajuato, Mexico)
	Mexican Mathematical Olympiad. Awarded with a bronze (2015) and silver (2016) medal in National Contest.

Talks 📈

04/22	**Gompertz Mixture with covariables for modeling COVID-19 pandemic.** CIMAT's summer school. Joint work with Dra. Graciela Gonzalez Farias ⓘ .
08/22	**Passing times of Cramer-Lundberg's model and Logistic Stochastic Model.** University of Guanajuato's Junior Seminar.

Publications 📄

2023	Gonzalez Farias, G, **Vasquez Martinez, R**, Marquez Urbina, J U& Ramos Quiroga, R. A Gompertz Mixture Approach for Modeling the Evolution of the COVID-19 Dynamics. *Revista de Matemática: Teoría y Aplicaciones.* doi:10.15517/rmta.v30i1.50927. ○ Repository
2022	**Vasquez Martinez, R**, Villarreal Haro, K, Sanchez Leon, C A, Ortiz Arana, E I, Cardenas Treviño, J A& Martin, Gonzalez, E M. Conditional Passing Times for Cramer-Lundberg Risk Model. *Jovenes en la Ciencia 16*. 🔖 Print

Other Qualifications ◎

Languages: Spanish (Mother Tongue) | English (87/120 iBT TOEFL Score)
Programming: LaTeX ★★★★☆ | Python ★★★★☆ | R ★★★☆☆ | C/C++ ★★★☆☆ | Bash ★★★☆☆ | SQL ★★★☆☆
Interests: Stochastic Calculus, Statistical Modeling, Computational Statistics, Biomathematics.