



# VÍCTOR GARCÍA.

DATA SCIENTIST

Areas of interest:

**DATA SCIENCE** **FINANCES**  
**MACHINE LEARNING** **SAMPLING**

**Professional Summary:** Data scientist with research experience in interdisciplinary projects with interest in joining the data analysis area. Disciplined, fast learner and easily adaptable. With a willingness to work in a team and the ability to meet objectives with predefined times. Results-oriented.

## Professional experience

03/20-today



Data science projects developed on own initiative for public benefit.

- Capture of epidemiological data.
- Interactive visualization of georeferenced data.

01/20



Participation in the *Estimation of Future Property Insurance Cancellations* project within the framework of the **13o. Taller de Solución de Problemas Industriales** carried out at Centro de Investigación en Matemáticas.

- Data cleaning on different types of insurance customers.
- Design and comparison of different model proposals for the prediction of policy cancellation.
- Creation of a data viewer to identify actual cancellations and late payments.
- Presentation of the solution to the client.

08/18-11/18



Participation in the research project *Modelos espaciales predictivos para la obesidad, el síndrome metabólico, la diabetes tipo 2 y enfermedades cardiovasculares en México*.

- Data cleaning, detection and imputation of missing values.
- Descriptive model design.
- Data visualization.

06/18-07/18



Research in the *Sobre la luminosidad emitida por máseres de agua en función de otras variables* project, on statistics and astrochemistry, advised by researchers from the Astronomy Department from Universidad de Guanajuato (UG).

- Data cleaning, detection and imputation of missing values.
- Descriptive model design.
- Data visualization.

## Education

2018-2020



**Master's degree in Mathematics** with orientation to mathematical finance, pending. Registered to the Instituto de Investigaciones en Matemáticas Aplicadas, Universidad Nacional Autónoma de México. Working on the thesis *La volatilidad de un activo como movimiento Browniano fraccionario*.

2013-2018



**Bachelor of Mathematics** at Universidad de Guanajuato, with the thesis *Estimador por calibración: Problemas en su implementación y propuestas de soluciones*.

## Additional experience

01/19- today



Tutor of the mathematics area of the university admission course Unitips, providing advice to applicants to study at UNAM, IPN, UAM, among others.

09/15 - 06/18



Teacher assistant, responsible for carrying out the task evaluation, exams application and responsible for study sessions in different courses of the degrees in mathematics, computer science and chemistry, in addition to mining and chemical engineering. An improvement in the evaluations of the students of all the groups was achieved.

## Phone

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## Mail

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## Linkedin

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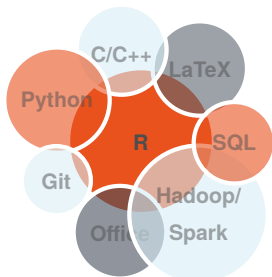
## Portfolio

victorgarciads.  
github.io

## Additional languages

C1 level English

## Software



## Competencies & Skills



**Operating Systems experience**  
 GNU/Linux★★★★★  
 Windows★★★★★  
 Mac OS★★★★★

## Certificates

 Microsoft  
 Competencias tecnológicas para la productividad, 2011.  
 UC DAVIS  
 UNIVERSITY OF CALIFORNIA  
 SQL for Data Science, 2020.  
 AUSTRAL  
 Estructuras de datos en Python, 2020.

## Courses

 Santander ie FOUNDATION  
 DATA SCIENCE, MACHINE LEARNING AND AI FOR BUSINESS, 2020.  
 CIMAT  
 Data Science Fin-ML/IVADO Workshop Montreal-Guanajuato, 2020.  
 UDLAP®  
 I Taller Inter-Institucional de Ciencia de Datos e Inteligencia Artificial, 2019.  
 INEGI  
 Seminario internacional sobre edición de datos, imputación y no respuesta, 2017.  
 Hollington INSTITUTE  
 Life Styles, Curso de Inglés, 2007-2009.

## Human capital formation



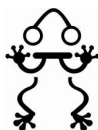
**Collaborator in Mexicanas del Futuro: Trazando Conciencias, Pensando en TI**, supporting activities in the organization of the workshop fair aimed at motivating the scientific vocation in high school girls, carried out in the IIMAS facility.



**Principal speaker and organizer** of the weekly seminar of Integration techniques.



2013-2015



**Speaker** of the Mathematics Olympiad coaches course for high school teachers with the topic "Number Theory".

**Coach of the preselection of the Guanajuato state**, in addition to the support in the elaboration, application and evaluation of the selective exams of each stage.

## Publications

García Sánchez, Víctor Miguel and Trinidad Hernández, Miguel Ángel  
**Sobre la luminosidad emitida por máseres de agua en función de otras variables**  
*20° Verano de la Ciencia Región Centro, Vol 4. Num. 7.*

## Recognition and rewards

2019

**Honorable mention in the Poster Session of the XVII Escuela de Probabilidad y Estadística** Poster competition

For the presentation of the poster "INLA como alternativa a MCMC y su uso en un modelo predictivo espacial".

2013

**First national place of the first stage**

Festival Académico 2013

Award obtained in the mathematics area of the contest organized by the Dirección General de Educación Tecnológica Industrial.

2012

**Bronze medal**

26 Olimpiada Mexicana de Matemáticas

Achived by score in the national stage of the 26 OMM held in Guanajuato, Gto., Being invited to carry out the studies of the Degree in Mathematics in the same city by staff of the Centro de Investigación en Matemáticas.

2011

**Honorable mention**

25 Olimpiada Mexicana de Matemáticas

Achived by score in the national stage of the 25 OMM held in San Luis Potosí, SLP.

2010

**First place in the Hidalgo state and participation in the national stage**

ExpoCiencias

Participating with research project about the number  $\pi$  (pi).

2008

**National selected**

12th Po Leung Kuk Primary Mathematics World Contest

Participation in the international Po Leung Kuk contest held in Hong Kong.

2006

**First state place in mathematics**

ENLACE exam

Best score in the ENLACE exam being invited to the awards ceremony at Los Pinos Official Presidential Residence.