

JULIANA GÓMEZ CONSUEGRA

Biologist



SUMMARY

Industry leader in educational consulting. Master's degree in biological sciences with 10 years' experience in data science. Expertise in data-driven solutions in the education sector; data science life cycle, machine learning algorithms, and programming languages, including R and Python. Creative problem solver, good listener, and open to new challenges.

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[Juliana Gomez Consuegra](#)



WORK EXPERIENCE

2014 - Present

CEO / chief data analyst / cofounder

ÉCCOLE!

Bogotá, Colombia

- o Designed a US \$ 3.2 million college scholarship fund for underprivileged students in Colombia, financed by the Colombian Ministries of Education, Commerce and Labor.
- o Assisted 5 single-gender K-12 schools in making an informed decision on whether to switch to co-ed, using machine learning algorithms.
- o Guided 1000 families in finding the right school for their children through data-driven solutions run on in-house software based on the R programming language.
- o Employed K-means clustering to aid an educational consortium in deciding where best to locate their next campus.

2013-2014

High school head of academic affairs

Colegio Tilitá

La Calera, Colombia

- o Lead a team of 29 teachers in curriculum writing, evaluation, and revision, as well as class planning.
- o Modified curriculum based on data, with emphasis on academic rigour, while still allowing space for personal development.



EDUCATION

2006-2008

Universidad de los Andes

Master's in Biological Sciences

- Recipient of teaching assistant scholarship
- Earned "Proyecto Semilla" scholarship to finance fieldwork
- 5/5 score in all three final exams

2000-2006

Universidad de los Andes

Bachelor of Science in Biology



PROGRAMMING



PYTHON



R



SQL



LANGUAGES

Spanish



English



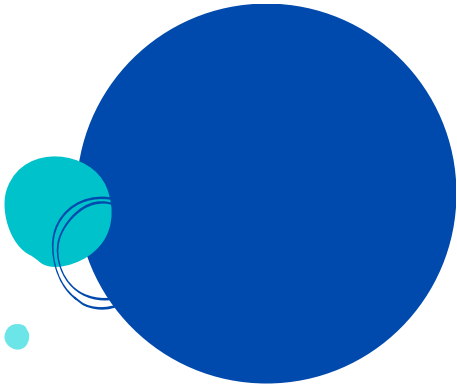
French



Italian



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ONLINE COURSES

- Data visualization and information design: create a visual model (Domestika) 2022
- Intro to Time Series Analysis in R (Coursera) 2021
- IBM Data Science Specialization (Coursera) 2020



PUBLICATIONS

- *In Prep*: Gómez-Consuegra J., Amézquita A. Ecological and behavioral correlates of homing performance in the poison frog *Oophaga (Dendrobates) histrionica*.



WORK EXPERIENCE

2011-2014

Head of the science department

Colegio Tilatá

La Calera, Colombia

- Lead a team of 12 teachers in curriculum design, class planning, evaluation practices and the scientific method.
- Analyzed students' academic data and suggested modifications to curriculum based on results.
- Oversaw improvement in 12th grader's national standardized test scores by 10 percentage points.
- Coordinated a yearly Science Fair where elementary school students employed the scientific method by devising age-appropriate experiments.
- Managed resources and supplies for the Science Department.
- Hired new teachers.



ADDITIONAL EXPERIENCE

- K-12 Science Teacher
 - Colegio Tilatá (2007 - 2014)
- Teaching Assistant
 - Universidad De Los Andes (2006 - 2007)
- Freelance Translator (2002 - 2014)
- Online Journalist
 - Construdata (2002)

