MARCO CAÑAS

Summary

A Mathematic professor. I use my expertise in mathematics and physics education, along with my research experience in mathematics didactics and data science education, to foster scientific communication, computational thinking, and open science policies among students and the wider academic community.

Experience

2015-current
 Full time Mathematic professor. Universidad de Antioquia, Colombia
  - Conduct lectures and seminars in mathematics and physics courses for undergraduate students.
  - Lead research projects on mathematics didactics and data science education with Python.
  - Taught various courses in mathematics and physics to undergraduate students.
  - Developed course materials and assessments to enhance student learning.
  - Conducted research on effective teaching strategies and pedagogical innovations in STEM education.

2015-current
Researcher. Universidad de Antioquia, Colombia.

-Research background in mathematics education and data science.
-Write reflection articles and publish about use of technology and innovation for Mathematic teaching
-Active participation in an interdisciplinary research group called GIBACC
- Collaborative research work about meteorology data.
-Research about use of Machine learning to teach data science skill to my students.

Education

- Master of Science in Mathematical Sciences, Universidad Nacional de Colombia, 2014
- Bachelor of Science in Mathematics and Physics, Universidad de Antioquia, 2010

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https://scienti.minciencias.gov.co/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0001500487

SKILLS
- Proficient in Python programming for data analysis and scientific computing.
- Experienced in curriculum development and instructional design.
- Strong research background in mathematics education and data science.
- Excellent communication and interpersonal skills.
- Familiarity with UNESCO guidelines for promoting open science and scientific communication.