

RAFAEL EDUARDO BENJUMEA HOYOS

Math Teacher

work experience

Assessment consultor.

Sep 2013 - Present

Colombian Institute for Educational Assessment (Icfes)

Bogotá, Colombia

- Design of reference frameworks for math-related tests.
- Development, validation and analysis of the items of Mathematics tests Saber 3, 5, 9 and 11, TyT and Pro.
- Development of theoretical framework and specifications of the Quantitative Reasoning Saber 11, TyT and Pro.
- Revision and national adaptation of the international tests PISA, PISA for Schools and ERCE.
- Lead the Inclusive test development project for students with disabilities.
- Design and evaluation of a Computerized Adaptive Test for the PreSaber Test.

Lecturer, associate category

06/2013 – 06/2017

Pontificia Universidad Javeriana

Courses of Basic Mathematics, Set theory, Logic, Linear Algebra, Calculus, Statistics.

- Developed and implemented lesson plans, administered tests and evaluations, and analyzed student performance.
- Conducted group and individual activities to further enhance learning.
- Developed extra class activities to promote scientific research.
- Worked closely with the dean of the department to structure new math courses.

Lecturer, associate category

01/2014–07/2014

Colegio Mayor de Nuestra Señora del Rosario.

Courses of Statistics

- Developed and implemented lesson plans, administered tests and evaluations, and analyzed student performance.
- Conducted group and individual activities to further enhance learning.

Lecturer, associate category

01/2013- 05/2013

University Corporation Santa Rosa de Cabal

Courses of Mathematics I and II

- Developed and implemented lesson plans, administered tests and evaluations, and analyzed student performance.
- Conducted group and individual activities to further enhance learning.
- Developed a project with students to create Macros for administration of a Coffee Cooperative.

- Developed and implemented lesson plans, administered tests and evaluations, and analyzed student performance.
- Conducted group and individual activities to further enhance learning.
- Developed extra class activities to promote scientific research.
- Developed a graduate diploma in teaching science.

Education

2008 - Deferred Ph. D candidate in Sciences mention Mathematics

Instituto Venezolano de Investigaciones Científicas

Dissertation in process.

2004- 2007 Master's in Mathematical Sciences

Universidad Nacional de Colombia sede Bogotá D.C.

Graduated with honours.

1998-2004 Mathematician

Universidad Nacional de Colombia, sede Bogotá D.C.

Graduated with honours.

2012 Diploma course in teaching.

Universidad Católica de Pereira

90 hours.

2011 Certification course in Learning Objects.

Ministry of National Education and Universidad de Antioquia.

Skills

- Native Language – Spanish
- Proficient Languages – English
- Programming in Python and Java
- Mastering of the platforms Exelearnig, Teams
- Advance knowledge in Microsoft Office resources
- Basic knowledge of data management in R
- Love continuous learning