

Andrés E. Arguedas L.

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EDUCATION

UNIVERSITY OF COSTA RICA

ACADEMIC MASTER'S DEGREE IN

STATISTICS

2018 - present

BACHELOR'S DEGREE IN STATISTICS

2014 - 2017

2nd best weighted average of the Bachelor's Degree in Statistics in 2015.

- Academic Excellence Scholarship.
- Winner of a contest to attend the "ASA Symposium on Statistical Inference" in 2017.
- Honor graduation with a weighted average of 9.07/10.

SKILLS

PROGRAMMING

Programming languages:

R • \LaTeX • Python • SQL

Software knowledge:

SPSS • Excel • CSharp • QGIS • PostgreSQL

Knowledge of:

Databases • Geographical information systems • Shiny • Interactive plots using plotly and highcharts • Artificial intelligence algorithms

EXPERIENCE

YORKIN SCHOOL | MATH OLYMPIADS TEACHER

March - November 2016

Worked as a teacher for the school's Mathematics Olympics club, for 10th and 11th grade students, in preparation for the Costa Rican Mathematics Olympiad (OLCOMA). The 5 students from the club made it to the second round and one of them was a finalist.

UNIVERSITY OF COSTA RICA | TEACHING ASSISTANT

August 2016 - July 2018

Assistant in the courses of "Discrete Probabilistic Models", "Continuous Probabilistic Models" and "Statistical Theory" for second and third year students of the Bachelor's Degree in Statistics, providing consultation hours to the students, reviewing homeworks and short evaluations and supporting the teacher in some classes.

UNIVERSITY OF COSTA RICA | PROFESSIONAL INTERNSHIP

February - December 2018

As part of the professional internship required for the Bachelor's Degree, I did my internship by helping in two research projects, with tasks related to text mining, and processing of non structured data in one project and building and analyzing data from a data base in the other.

CENTRALAMERICAN POPULATION CENTER (CCP) | RESEARCH ASSISTANT

March 2018 - present

Analysis of data based on the Sexual and Reproductive Health Surveys of Costa Rica from 1976 to 2015 with the objective of tracking the evolution of sterilization in the country's women, through survival analysis using pseudocohorts.

SCHOOL OF STATISTICS, UNIVERSITY OF COSTA RICA | PROFESSOR

August 2018 - present

Professor of the courses of "Continuous Probabilistic Models", a mathematical statistics course corresponding to the second year of the Bachelor's Degree in Statistics, and of the course "Statistics for Biology I", a course in the second year of the Bachelors Degree in Biology, in which basic topics of statistics are covered, from graphs and tables, to tests of hypothesis and regression, with an emphasis in applications to biology.

CONFERENCES AND CONGRESSES

XXXI INTERNATIONAL FORUM ON STATISTICS (FIE) | POSTER

October 2016 | Texcoco, Mexico

Presented a poster, as part of a group from the School of Statistics of the University of Costa Rica, during the thirty first International Forum in Statistics (FIE), organized by the Mexican Association of Statistics, covering a simulation project done as part of a course on experimental design. The title of the project was '**The effect of using a an incomplete and unbalanced block design on the power of the tests**'.

ASA SYMPOSIUM ON STATISTICAL INFERENCE | PARTICIPANT

October 11 - 13, 2017 | Bethesda, Maryland, Estados Unidos

Participated, as part of a group from the School of Statistics of the University of Costa Rica, in the **Symposium on Statistical Inference**, organized by the American Statistical Association. The group was formed after a contest was held between undergraduate students, organized by the School of Statistics, which resulted in two winners.

AWARDS

2018	Honor	Bachelor in Statistics from the University of Costa Rica
2013	#31	Admission for the University of Costa Rica - 2014
2013	#15	Admission for the Technological Institute of Costa Rica - 2014
2013	Honor	High school graduation
2013	Bronze	Level 3 - Costarican Mathematical Olympiad (OLCOMA)
2012	Bronze	Nivel B - Costarican Mathematical Olympiad (OLCOMA)
2012	Bronze	Junior - Mathematical Kangaroo Costa Rica
2010	Bronze	Nivel A - Costarican Mathematical Olympiad (OLCOMA)
2008	Bronze	Costarican Mathematical Olympiad for Primary Education (OMCEP)
2007	Bronze	Costarican Mathematical Olympiad for Primary Education (OMCEP)