ELISA SÁNCHEZ BAHNSEN

DATA SCIENCE AND MATHEMATICS ENGINEERING

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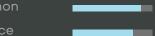
EDUCATION

Tecnológico de Monterrey, Campus Estado de México Data Science and Mathematics Engineering

August 2020 - Present.
Graduation date: June 2024

SOFTWARE

- Python
- Office

LANGUAGES

- English
- Spanish
- French

ABOUT ME

Data Science and Mathematics Engineering student. My main objective in this field is to perform statistical and trend analysis within an organization to improve its performance using programming tools and machine learning. I am a disciplined young woman, perseverant and optimistic when facing complicated situations with a special interest in artificial intelligence models for the generation of solutions and strategies that benefit a company or organization.

CO-CURRICULAR EXPERIENCE

Route optimization, COPPEL (Academic Project)   **Apr-May 2022**

Work with a database containing Coppel's delivery information to optimize their routes and maximize the number of deliveries made per day.
Learn about linear programming problems to be applied in tools such as GAMS to optimize Coppel's delivery routes. In addition, present a strategy to reduce the distance traveled by the delivery units given the characteristics of the database provided by Coppel.

QS University Rankings, TECNOLÓGICO DE MONTERREY (Academic Project)   **Feb-Mar 2022**

Work hand in hand with Tecnológico de Monterrey to seek strategies that position the university in higher positions within the world university rankings in order to improve the quality of education and job opportunities for students.
Identify the variables that influence the positioning of a university in rankings such as the QS World University Ranking, through the use of statistical libraries and artificial intelligence to analyze a large database.

Statistical modeling, Coca-Cola FEMSA, (Academic Project)   **Oct-Nov 2021**

Collaborate in a statistical analysis project for a database provided by Coca-Cola FEMSA about its beverage manufacturing and bottling process with the objective of reducing electrical energy consumption.
Perform a statistical analysis using programming tools (Python) to find through a database, possible patterns or information that indicate a high use of electrical energy in the industrial process of the company.

EXTRACURRICULAR INFORMATION

Ballet dancer, 2006 - 2013 y 2021 - 2022.

Figure skating representative of the association of the State of Mexico, November 2014 – September 2019.