COLOMBIA POTENCIA DE LA VIDA

TIC

BOOTCAM

ENGLISH CODE

INTEGRADOR - Módulo 2

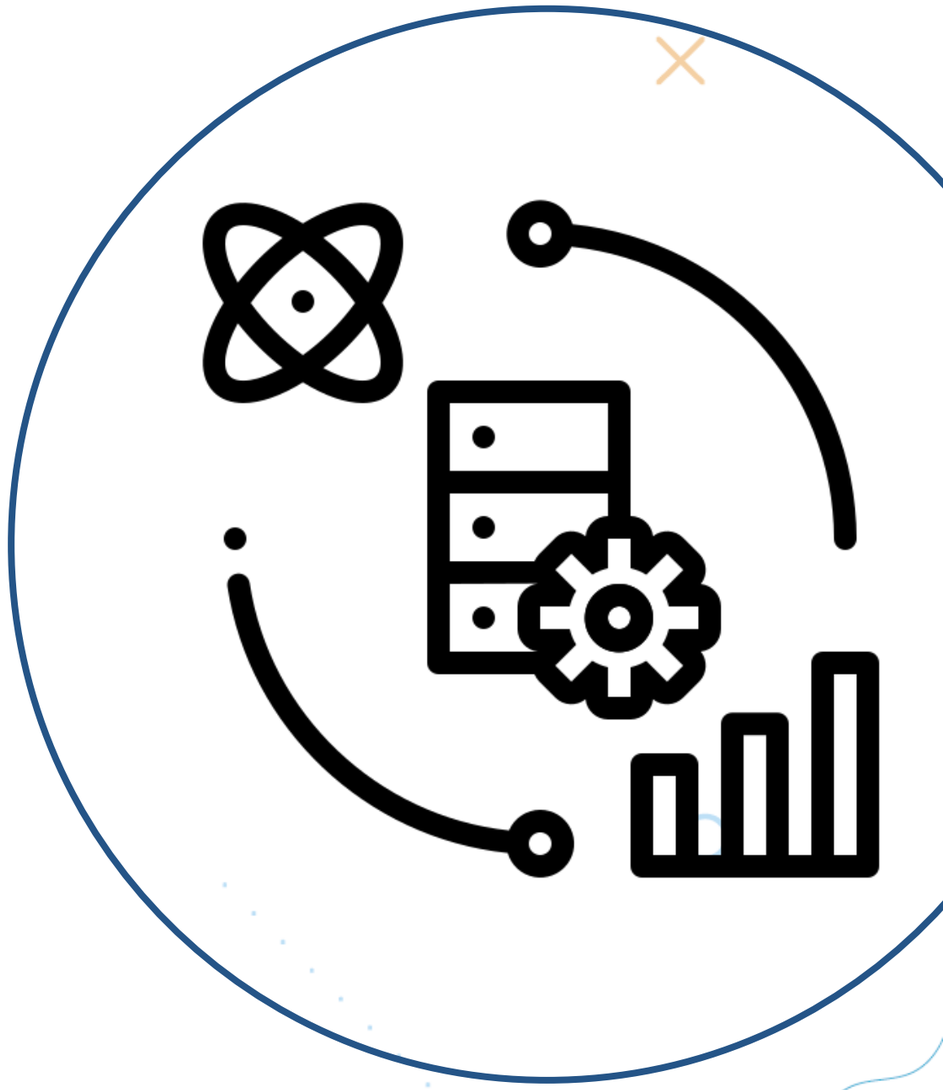
TALENTO TECH

AZ | PROYECTOS EDUCATIVOS

UTP Universidad Tecnológica de Pereira

Contextualización de mis aprendizajes

In this module, learners will embark on a comprehensive exploration of Exploratory Data Analysis (EDA) and the fundamental principles of Machine Learning. The course starts by introducing key concepts, establishing a foundation for understanding the intricate world of data analysis. As we progress, the focus shifts to the basics of Machine Learning, providing insights into Classification and Regression Algorithms, and equipping learners with the knowledge to evaluate and select appropriate models. The journey extends into the domains of Text Analysis and Data Mining, where participants will develop skills to extract valuable insights from text-based data. Throughout the course, a strong emphasis is placed on enhancing reading comprehension and expanding vocabulary. By doing so, learners not only grasp essential terminology but also cultivate a deeper understanding of the concepts integral to the field of data analysis. This module sets the stage for a holistic learning experience, empowering individuals to navigate the dynamic landscape of data with confidence and proficiency.



Objetivo general

UNIDAD 1	
• Provide a comprehensive understanding of Exploratory Data Analysis, Machine Learning basics, including Classification and Regression Algorithms, as well as skills in Text Analysis and Data Mining. • Equip learners with the essential knowledge and proficiency for effective data analysis, emphasizing reading comprehension and vocabulary expansion.	
Competencias a desarrollar	
• Linguistic competence. • Pragmatic competence. • Sociolinguistic competence. • Topical Competence.	**Linguistic Competence:** Demonstrate linguistic competence by effectively utilizing domain-specific vocabulary and technical **language in written and verbal communication within the context of data analysis and machine learning.** **Pragmatic Competence:** Exhibit pragmatic competence through the application of effective communication and negotiation skills in real-world scenarios encountered during data analysis tasks.

Competencias a desarrollar	
	Sociolinguistic Competence: Develop sociolinguistic competence by understanding and adapting language use to varying sociocultural contexts within the field of data analysis. **Topical Competence:** Attain topical competence by demonstrating in-depth knowledge and effective communication skills related to specific data analysis topics.

Activación de saberes previos

Tiempo de ejecución: 4 horas

PLANTEAMIENTO DE LA SESIÓN	MATERIALES
1) Socialize the technology idiom of the day. 2) Explain what the scanning strategy is. 3) Socialize key words about: "What are machine learning basics?" 4) Reading comprehension: "What are machine learning basics?" 5) Kahoot activity 6) Before the reading activity: inference reading comprehension 7) Socialize key words about: "Alan Turing: The Pioneer of Computing" 8) Reading comprehension: "Alan Turing: The Pioneer of Computing" 9) Inference multiple choice activity. 10) True/False activity. 11) Socialize key words about: "Machine Learning —Fundamentals" 12) Reading comprehension: "Machine Learning —Fundamentals"	• Reading: "What are machine learning basics?" • Kahoot: https://create.kahoot.it/details/b69ae92d-4d49-470b-92f2-6cd0d6a93ebf • Reading: "Alan Turing: The Pioneer of Computing"

Activación de saberes previos

Tiempo de ejecución: 4 horas

PLANTEAMIENTO DE LA SESIÓN	MATERIALES
13) Fill in the blank activity. 14) Socialize key words about: "Machine Learning Principles Explained" 15) Reading comprehension: "Machine Learning Principles Explained" 16) Matching heading definition.	• Reading: "Machine Learning —Fundamentals" • Reading: "Machine Learning Principles Explained"

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