MÓDULO 1 NIVEL EXPLORADOR

TIC

TALENTO TECH

UTP | faceIT
Universidad Tecnológica de Pereira

Contextualización de mis aprendizajes

This module offers an engaging introduction to the world of cloud computing. Designed to enhance reading and writing skills by introducing participants to fundamental concepts and vocabulary in cloud technology. Topics include an overview of cloud computing, exploration of cloud architecture patterns, and insights into designing change-tolerant software. The module combines practical reading and writing exercises with basic theoretical knowledge, making it an ideal starting point for those new to both cloud technology and English language learning in a technical context.
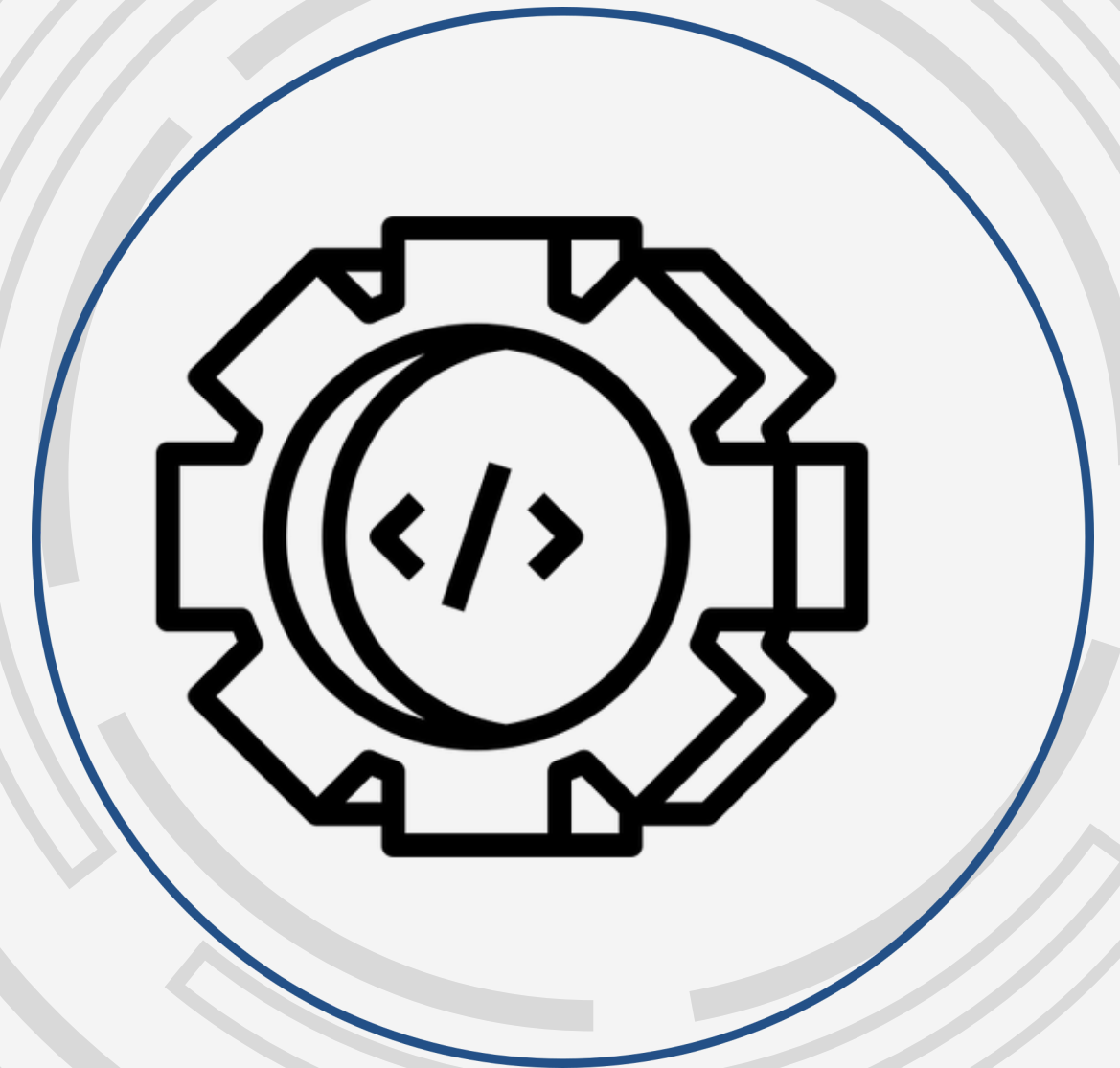
Contextualización de mis aprendizajes

In the contemporary landscape of data-driven decision-making, the examination of how data analysis informs strategic choices has become increasingly pivotal. The process involves delving into various facets of data, extracting meaningful insights, and utilizing predictive modeling techniques to optimize decision outcomes. Data analysis serves as a powerful tool to distill valuable information from vast datasets, enabling organizations to comprehend trends, patterns, and correlations. Through predictive modeling, decision-makers can anticipate future scenarios, identify potential risks, and explore opportunities for optimization. Whether in business, finance, healthcare, or other domains, the integration of data analysis into decision-making processes enhances the precision and efficacy of strategic choices. It allows for a proactive approach, empowering decision-makers to navigate complexities and uncertainties with a more informed and forward-looking perspective. As industries continue to evolve, the ability to leverage data analysis for optimization becomes a cornerstone of successful decision-making, fostering resilience and adaptability in an ever-changing landscape.
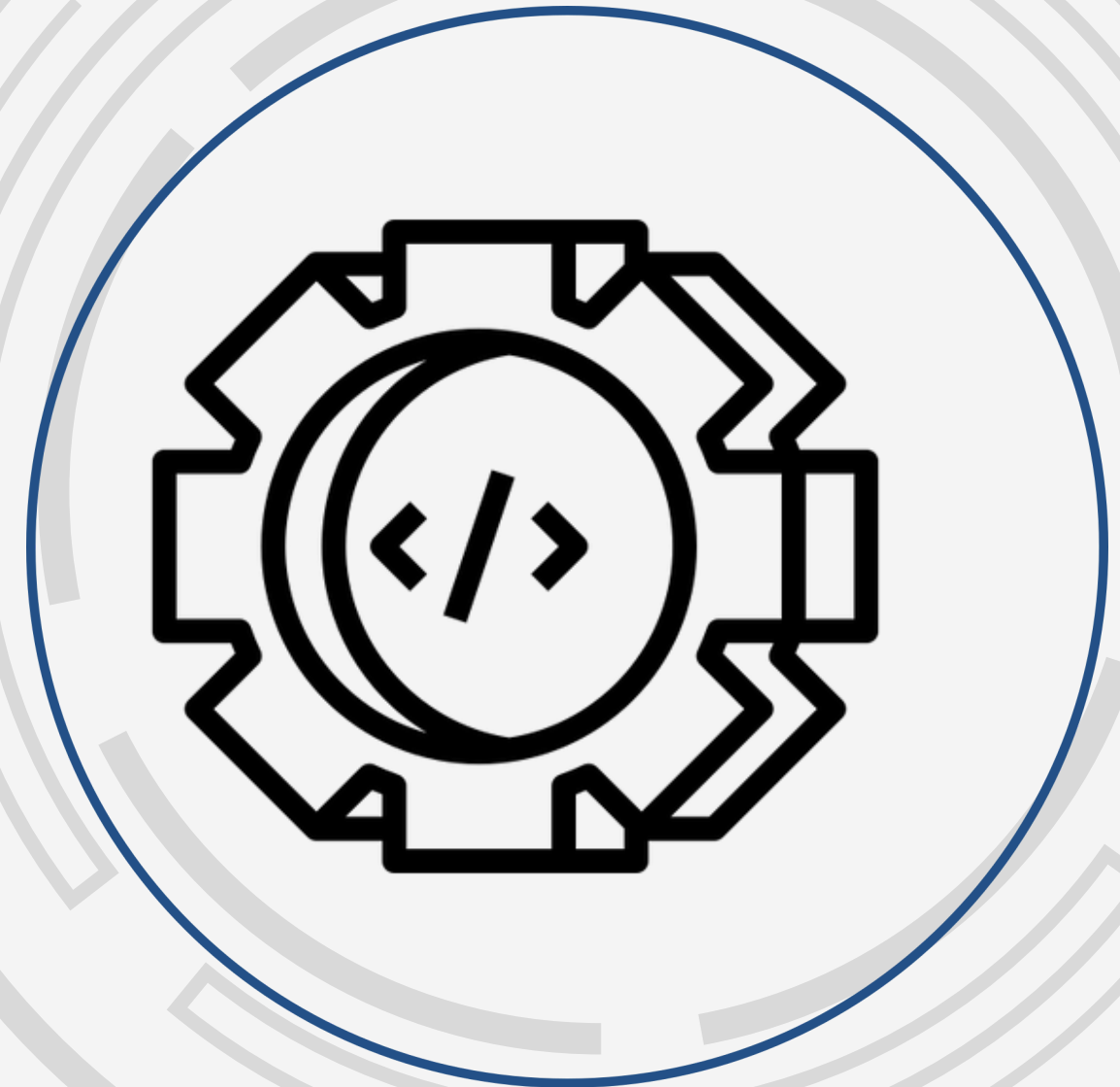
Objetivo general

UNIDAD 1

- Explore and understand the role of data analysis in informing decision-making processes, with a specific focus on the application of predictive modeling for optimization.
- Delve into the intricacies of data-driven decision-making across various domains, shedding light on how organizations harness predictive modeling techniques to enhance the quality and efficacy of their strategic choices.

Competencias a desarrollar

- Linguistic competence.
- Pragmatic competence.
- Sociolinguistic competence.

Linguistic Competence: Learners, through the exploration of data analysis and predictive modeling, will develop linguistic competence by acquiring a specialized vocabulary related to the field of data science, decision-making, and optimization. They will gain proficiency in expressing concepts, methodologies, and findings in a precise and clear manner. This includes the ability to communicate effectively using technical terms, data-driven insights, and relevant linguistic structures specific to the domain of data analysis.

Competencias a desarrollar

Pragmatic Competence: The study of data analysis and predictive modeling for decision-making will contribute to the development of pragmatic competence among learners. They will acquire the ability to use language appropriately in diverse communicative contexts within the data science domain. This includes understanding the nuances of conveying information, interpreting results, and articulating the implications of predictive modeling outcomes. Learners will develop the capacity to apply pragmatic strategies effectively in discussions, reports, and presentations related to data-driven decision-making.

Competencias a desarrollar

Sociolinguistic Competence: Engaging with the topic of data analysis and predictive modeling will enable learners to develop sociolinguistic competence by understanding how language functions within the social and professional contexts of data science. This includes recognizing and navigating the sociolinguistic norms, expectations, and conventions prevalent in discussions, collaborations, and publications related to data-driven decision-making. Learners will gain insights into the sociolinguistic aspects of conveying information persuasively and ethically within the broader data science community.

Competencias a desarrollar

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Activación de saberes previos

PLANTEAMIENTO DE LA SESIÓN

1) Socialize the technology idiom of the day.
2) Keywords of the reading: "The Trends & Challenges in Data Driven Decision Making"
3) Reading: "The Trends & Challenges in Data Driven Decision Making"
4) Matching vocabulary activity.
5) Gap-fill activity about the previous reading.
6) Socialize key vocabulary about " Optimization vs. Prediction in Data Analytics: Lessons from Business and Nature"
7) Play a wordsearch about the reading.
8) Reading " Optimization vs. Prediction in Data Analytics: Lessons from Business and Nature".
9) Matching activity about the previous text.
10) True/False activity.
11) Socialize some keywords about the text below: "What is Predictive Modeling?"

MATERIALES

- Reading: Challenges Decision Making". Wordsearch

- Reading: "Optimization vs. Prediction in Data Analytics: Lessons from Business and Nature".

- Reading: "What is Predictive Modeling?"

Activación de saberes previos

PLANTEAMIENTO DE LA SESIÓN

12) Reading: "What is Predictive Modeling?"
13) Complete the crossword with the keywords of the previous text.

MATERIALES