TALENTO TECH

TIC

REGIÓN 3
CAUCA - NARIÑO
BOOTCAMP
ANÁLISIS DE DATOS

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.

TIC

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Contextualización de mis aprendizajes

In this course, students delve into the foundational principles of statistics and probability that underpin these crucial fields of study. Through exploration and analysis, learners gain a deep understanding of key concepts such as measures of central tendency and probability distributions. Understanding these concepts is essential not only for academic pursuits but also for real-world applications across various industries and disciplines. By mastering statistics, students can effectively analyze and interpret data, enabling them to make informed decisions and draw meaningful conclusions. Similarly, a solid grasp of probability theory equips individuals with the tools to assess risk, forecast outcomes, and model uncertain events. Thus, this course provides a vital framework for students to develop analytical skills and critical thinking abilities that are invaluable in both academic and professional settings.

Objetivo general

UNIDAD 1

- Provide students with a comprehensive understanding of the foundational concepts in statistics and probability.
- Understand the principles of probability theory and probability distributions, including discrete and continuous distributions.

Competencias a desarrollar

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

Linguistic Competence: Ability to comprehend and use specialized statistical and probabilistic terminology accurately and appropriately. Proficiency in articulating statistical concepts, measures, and distributions clearly and concisely, both orally and in writing. Skill in interpreting and translating statistical findings into comprehensible language for diverse audiences, including peers, stakeholders, and laypersons.

Competencias a desarrollar

Pragmatic Competence: Capacity to apply statistical and probabilistic principles pragmatically to solve real-world problems and make informed decisions. Skill in adapting statistical methodologies to different contexts, datasets, and research questions effectively. Ability to recognize and employ appropriate statistical techniques and methods based on the specific objectives and constraints of a given analysis or study.

Competencias a desarrollar

Sociolinguistic Competence: Understanding of the social and cultural factors that influence the interpretation and communication of statistical information. Awareness of how statistical findings may be perceived and interpreted differently to communicate statistical results sensitively and ethically, considering the potential impact on individuals, groups, and society at large.

Activación de saberes previos

PLANTEAMIENTO DE LA SESIÓN

1) Explain the technology idiom of the day.
2) Before the reading activity, explain what reading in context is.
3) Socialize key vocabulary about the fundamentals of statistics.
4) Read the text "10 Must-Know Statistical Concepts for Data Scientists.
5) Matching definition activity about the previous text.
6) Gap-fill activity about the text "10 Must-Know Statistical Concepts for Data Scientists".
7) Crossword about the fundamentals of statistics.
8) Reading: "Fundamentals of Statistics and Probability That You Should Not Miss"
9) Cloze deletion activity about the previous reading.
10) Matching definition activity: game
11) Multiple-choice activity about the previous text ""Fundamentals of Statistics and Probability That You Should Not Miss".
12) Discussion questions about fundamentals of statistics.

MATERIALES

- Must-Know Statistical Concepts for Data Scientists.

- Reading: "Fundamentals of Statistics and Probability That You Should Not Miss".

- Video: "Probability and Statistics Made Easy: Essential for Data Scientists"

Activación de saberes previos

PLANTEAMIENTO DE LA SESIÓN

13) Video: "Probability and Statistics Made Easy: Essential for Data Scientists".
14) True/False questions.

MATERIALES