COLOMBIA
POTENCIA DE LA
VIDA

TIC

BOOTCAMP ARQUITECTURA EN LA NUBE

INNOVADOR - Módulo 1

INGLÉS

TALENTO TECH

AZ | PROYECTOS EDUCATIVOS

UTP
Universidad Tecnológica de Pereira

Contextualización de mis aprendizajes

In today's digital age, data management has emerged as a critical aspect of organizational operations across various industries. The exponential growth of data, fueled by advancements in technology and the proliferation of interconnected devices, underscores the importance of effectively managing and leveraging this valuable asset. Data management encompasses a wide range of activities, including data collection, storage, processing, analysis, and dissemination, all aimed at maximizing the value and utility of data for decision-making and strategic planning. In this course on data management, learners will delve into the principles, strategies, and tools essential for handling data effectively within organizational contexts. From understanding data lifecycle management to mastering data governance frameworks and implementing robust data security measures, learners will acquire the knowledge and skills needed to navigate the complexities of modern data ecosystems. Through practical exercises and case studies, learners will gain hands-on experience in designing and implementing data management solutions tailored to meet the unique needs and challenges of diverse business environments. Ultimately, this course will empower learners to become proficient data stewards capable of driving organizational success through informed data-driven decision-making.

Objetivo general

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- Equip learners with the knowledge, skills, and tools necessary to effectively manage and leverage data within organizational contexts.
- Develop proficiency in navigating the complexities of modern data ecosystems through comprehensive exploration of data lifecycle management, governance frameworks, security measures, and practical implementation strategies.

Competencias a desarrollar

- **Linguistic competence:** Learners can enhance their linguistic competence by acquiring specialized terminology related to data management, understanding technical documentation, and effectively communicating concepts, strategies, and findings related to data management practices. This includes proficiency in reading and comprehending technical texts, writing reports or documentation, and engaging in discussions or presentations about data management principles and techniques.
- **Pragmatic competence:** Pragmatic competence involves the ability to use language appropriately in various contexts to achieve specific communicative goals. In the context of data management, learners can develop pragmatic competence by learning how to tailor their communication style to different audiences, such as technical experts, non-technical stakeholders, or decision-makers. They can also develop skills in conveying complex technical information clearly and concisely, adapting their language to suit the needs and preferences of different stakeholders, and effectively collaborating with interdisciplinary teams to address data management challenges.

Competencias a desarrollar

- **Sociolinguistic Competence:** Sociolinguistic competence refers to understanding the social and cultural aspects of language use within specific communities or contexts. In the context of data management, learners can develop sociolinguistic competence by recognizing the cultural norms, organizational dynamics, and ethical considerations that influence data management practices. This includes understanding the role of data in organizational decision-making processes, navigating issues related to data privacy and security, and promoting effective communication and collaboration among diverse stakeholders involved in data management initiatives.

Activación de saberes previos

PLANTEAMIENTO DE LA SESIÓN	MATERIALES
1 Socialize the technology idiom of the day Group discussion: What is Cloud Data Management? Key vocabulary for the reading activity. Reading comprehension activity: "What is Cloud Data Management? A Complete Guide" Multiple choice activity.	• Reading: "What is Cloud Data Management? A Complete Guide"
2 Discussion questions before the reading. Key vocabulary for the reading activity #2. Reading activity #2: "What Is Data Partitioning? And How It Leads To Efficient Data Processing" Gap fill activity about the previous reading.	• Reading: "What Is Data Partitioning? And How It Leads To Efficient Data Processing"

Activación de saberes previos

PLANTEAMIENTO DE LA SESIÓN	MATERIALES
3 Key vocabulary for the reading activity #3: "What is data management and why is it important?" Reading activity #3: "What is data management and why is it important?" 1True/False activity.	• Reading: "What is data management and why is it important?"