Study manager - Bug #6055

Why Data science is in demand?

17.04.2024 07:16 - Anonymous

Status:	New		**Start date:**	17.04.2024
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

Before diving into the depths of data science, it's crucial to establish a solid foundation in mathematics, statistics, and computer science. Understanding concepts like linear algebra, calculus, probability, and algorithms forms the bedrock of your data science journey. Online platforms like Khan Academy, Coursera, and edX offer numerous courses to help you build these foundational skills. Proficiency in programming languages is fundamental for a data scientist. Python and R are the primary languages used in data science due to their extensive libraries and versatility. Start by mastering the basics of these languages and gradually progress to advanced topics like data manipulation, visualization, and machine learning algorithms.

Data manipulation and analysis are at the core of data science. Familiarize yourself with tools and libraries such as pandas, NumPy, and SQL for data manipulation, cleaning, and exploration. Understanding how to extract insights from raw data sets is a critical skill for any data scientist.

Machine learning is a cornerstone of data science, enabling predictive modeling and pattern recognition. Delve into the various machine learning algorithms, including supervised, unsupervised, and reinforcement learning. Hands-on experience with libraries like scikit-learn and TensorFlow will deepen your understanding and proficiency in implementing these algorithms.Visit-
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