

Title: The Impact of AI on Jobs

Description:

In the ever-evolving technological landscape, this analysis, "The Impact of AI on Jobs," explores how artificial intelligence is transforming job roles across various sectors. It provides an in-depth look at AI's influence on job responsibilities, the complexity of human tasks, the integration of AI models, and the balance between human effort and AI automation.

From Data Entry to CEO: The AI Job Threat Index

data summary:

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Contained within this file is a comprehensive dataset examining the interplay between job roles and the pervasive influence of artificial intelligence (AI). Each entry meticulously categorizes job titles, shedding light on AI's potential impact, the workload distribution between human tasks and AI models, and the domain to which each job belongs.

Job Titles: Names of different job roles across various industries.

AI Impact: Percentage representation of AI's influence on each respective job title. This value indicates the extent to which AI technology has impacted or transformed the job role.

Tasks: Numerical count of human-performed tasks associated with each job title. This column provides an insight into the range and complexity of tasks performed by professionals in each role.

AI Models: Count of AI models or systems implemented or associated with each job title. This column indicates the extent to which AI technologies have been integrated into the workflow of each job role.

AI Workload Ratio: A computed ratio that represents the workload distribution between tasks performed by humans and tasks managed by AI models. This ratio helps to understand the balance between human labor and AI automation within each job role.

Domain: The broader category or industry to which each job title belongs. This column provides context about the specific field or sector in which each job role operates.

Process :

The data processing stage for the tables used involved several steps to clean and prepare the data for analysis. The following summary outlines the key stages of the process:

**** File Format:** The tables were initially downloaded in CSV file format, which is a commonly used format for tabular data and then uploaded into:

1- excel : for cleaning and preliminary analysis .

2- python : to analyze and present data in a visually appealing manner.

3-SQL: To extract data from databases.

4-Tableau: To display data in a visually appealing manner.