

IRisk Lab Data Discovery and Consolidation - Task 2

Week 12 Report

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What was accomplished

- ❖ Conducted discussions with Group 1 to understand their specific dataset merging needs.
- ❖ Clarified the key columns or criteria for merging the datasets effectively.
- ❖ Demonstrated how to use Pandas to read specific sheets from Excel files, showcasing its flexibility in handling various data formats.
- ❖ Guided Group 1 through the process of loading datasets into Pandas DataFrames.
- ❖ Merging Techniques:
 - Introduced different merging techniques such as inner, outer, left, and right merges based on the desired outcome.
 - Explained the importance of choosing the appropriate merging method to retain relevant information.
- ❖ Handling Missing Data:
 - Addressed strategies for handling missing or mismatched data during the merging process
- ❖ Optimizing Performance:
 - Shared tips on optimizing performance, especially for large datasets, to enhance the efficiency of the merging process.
- ❖ Teaming up with Zifan, worked on creating an API interface for mapping functionalities