Integrated Data Analytics-Simulation Framework for Proactive Assessment of Safety Performance

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BACKGROUND AND OBJECTIVES:
- Safety is not disconnected from, and is often affected by, other project components.
- Data collected by departments that are not traditionally associated with safety performance may uncover more effective policies and procedures.
- The objective of this research is to use data from departments to proactively control safety performance.

METHODOLOGY:

INDUSTRIAL APPLICATIONS AND EXPECTED OUTCOMES:
- Departmental data can be used to identify safety-related measures that influence safety performance.
- The proposed method can support managers in making better project decisions from the perspective of improved project safety performance.

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