CitA Digital Skills Series
2024

The definitive, practical tech series for Irish construction SMEs.

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EVENT SEVEN

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Real Time Analytics:
Harnessing Data Insights for Improved Project Performance in Construction

Why is Data Analytics such an important skill to acquire in construction in 2024?

Data analytics allows construction professionals to collate large volumes of data to facilitate identifying potential risks and challenges. It also allows for up-to-date information to be presented in real time, providing more immediate and timely interventions by taking mitigation measures to alleviate their impact. By assessing historical data, companies can anticipate risks, model potential outcomes, and implement preventive measures, leading to improved project safety and project success. Data is constantly undervalued and lost in construction. Bringing the information regarding quality, time, cost, safety, sustainability etc. to the fore in real time will create a more efficient and responsive industry that is constantly challenged by risks.

What are the skills required?
Examples of technical and soft skills associated with Data Analytics include:

Technical Skills
Domain Knowledge
Programming Languages
Data Science and Data Analysis
Data Visualisation
Statistical Analysis
Data Analysis and Reporting
Data Cleaning
Data Platforms

Soft Skills
Strategic Thinking
Problem Solving
Adaptability
Communication
Attention to Detail
Data Awareness
Presentation
Research

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