Category

Data & AI

AI-Powered ESG & Sustainability Analytics Playbook

Using AI to make sustainability data more rigorous, not just more automated

- Practitioner
- Intermediate
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- Administrator
- 26 October 2021
- 4 minute(s)

Overview

A framework for AI-powered ESG and sustainability analytics — automated data collection and pattern detection across sustainability metrics, supply chain risk identification, and scenario modeling — that improves genuine measurement rigor and insight, rather than simply automating existing manual processes without addressing their underlying data quality limitations.

Does applying AI to ESG reporting solve the data quality issues

that already exist in sustainability data? Not automatically — AI applied to poor-quality underlying sustainability data will produce faster, more automated, but not necessarily more accurate output. Genuine value requires AI applications specifically aimed at improving data quality and identifying patterns human review alone would miss, not just automating existing flawed processes.

Where does AI add the most genuine value in ESG and sustainability

work? Supply chain risk pattern detection across large volumes of supplier data, and anomaly detection in sustainability metrics that would be difficult for manual review to catch at scale — applications that leverage AI's pattern-recognition strength on genuine scale problems.

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