#046: Supply Chain Risk Management with Artificial Intelligence



Supply chain risk management (SCRM) can be defined as a wide variety of **strategies aiming to identify, assess, mitigate and monitor unexpected events or conditions** which might have an adverse impact on any part of a supply chain

Why AI?



Decision Making



Prediction



Learning



Dealing with complex and uncertain environments

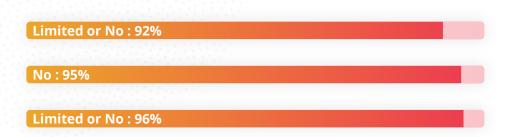
Opportunities

Current state

Current use of AI for decision making

Current use of AI for prediction & learning

Big data compatibility



Compromises



Types of AI Techniques Currently Tested for SCRM

- Stochastic programming
- Robust optimization
- Fuzzy programming
- Hybrid approaches within mathematical programming
- Network based approaches
- Agent based approaches
- Reasoning based approaches
- Machine learning