The Complexity Challenge
IRM Industry Workshop

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At last (?), a changing World!
Data volumes increasing exponentially
Complexity is increasing
So where does the risk lie in this complex network?
Without help, the PM will need super powers
Traditional Risk Approach

- Statistical analysis based on estimated probability and impact
- Often ignored when it’s a ‘difficult message’
- Based on ‘identified’ risks

- Risk log identifies known risks
- Good for tracking mitigations and residual risk
- Production can bring team together
- Role of Risk Manager can be mis-understood
But what about the hidden ‘complex’ risks?
We now need to look beyond the ‘known’

- Assimilate the vast quantities of data
- Understand complex interdependencies
- Use analysis to focus the message
- Use history to help model tomorrow
- Create models to understand potential impacts
Today, it is possible: