



Bridging the gap:
measuring and
enhancing integrity with
data science

RapidMiner Wisdom 2020



EY

Building a better
working world

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Welcome and introductions

Agenda and Ernst & Young LLP presentation facilitators

Integrating
analytics and
compliance

Forensic
data
preparation

Machine
learning
and risk
mitigation

Case study
and live
demonstration:
forensic data
mining



Todd Marlin, Principal
Forensic Data Analytics

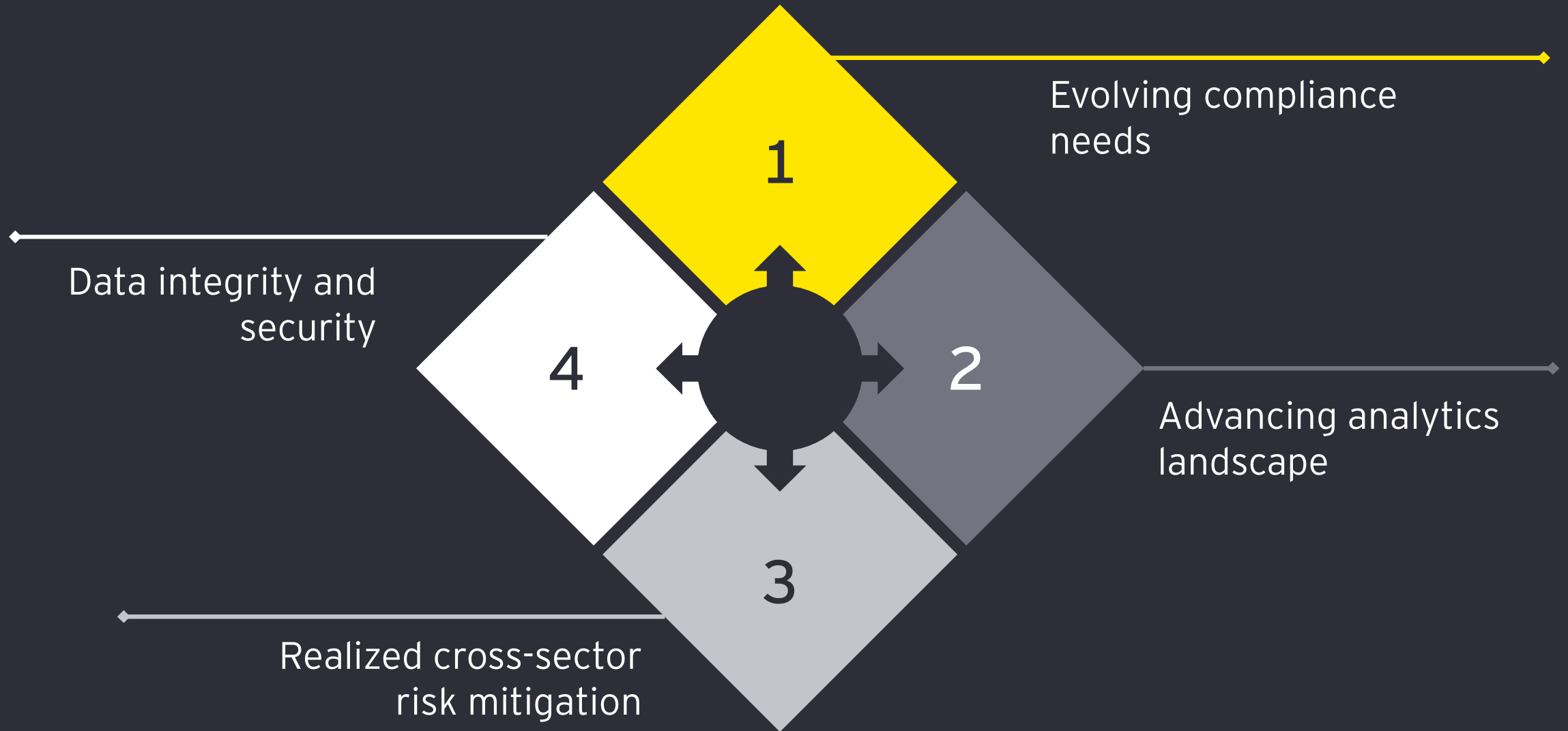


Jeremy Osinski, Senior Manager
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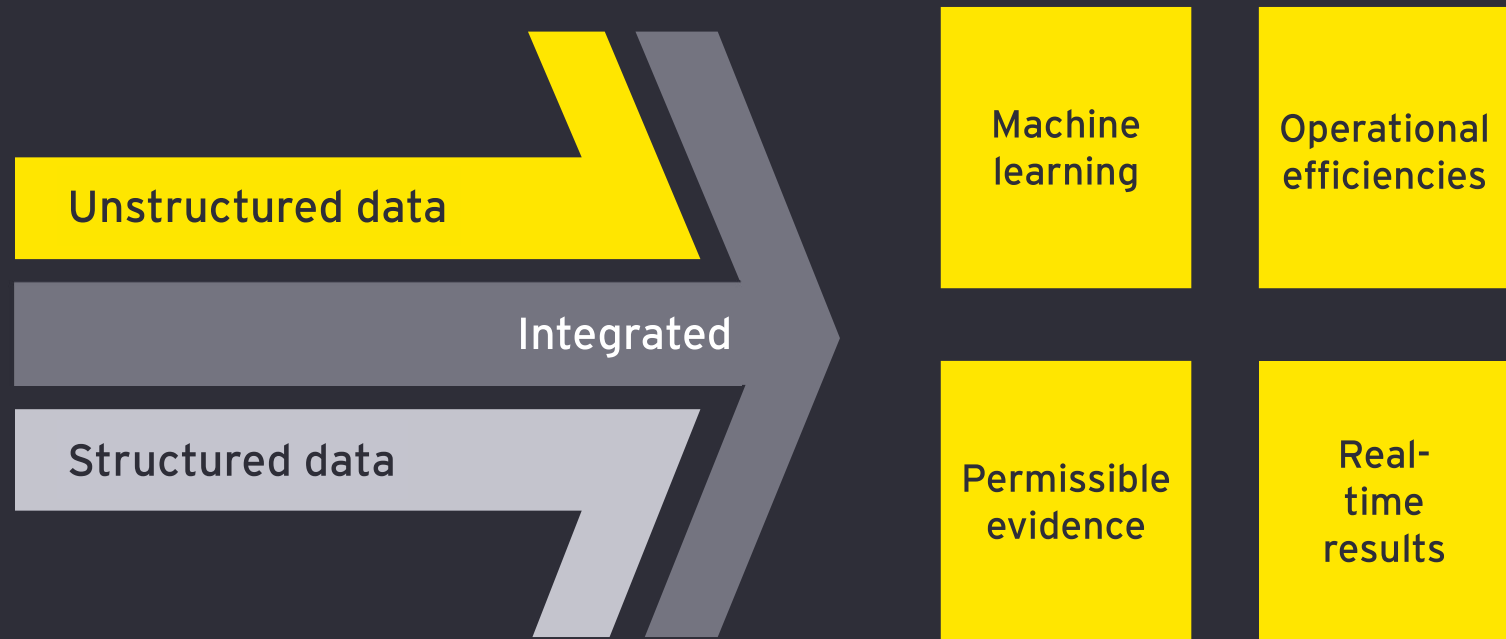
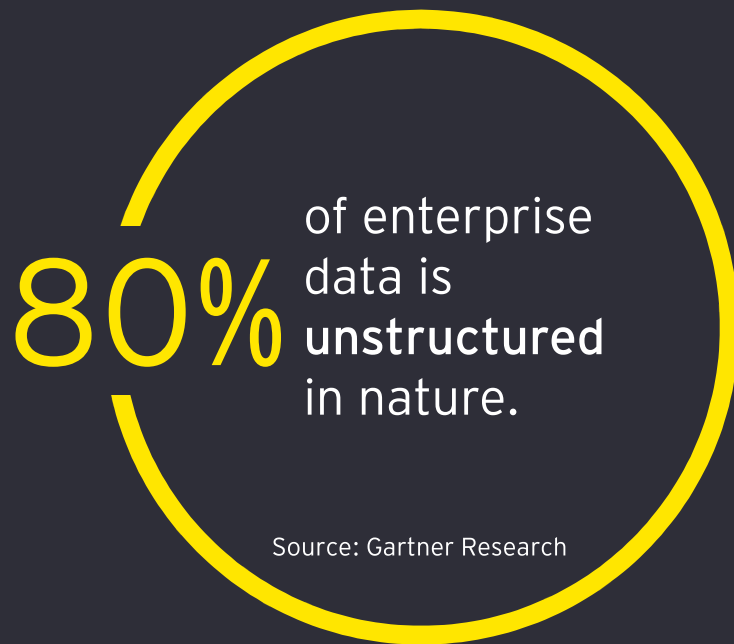


Mark Beluk, Associate
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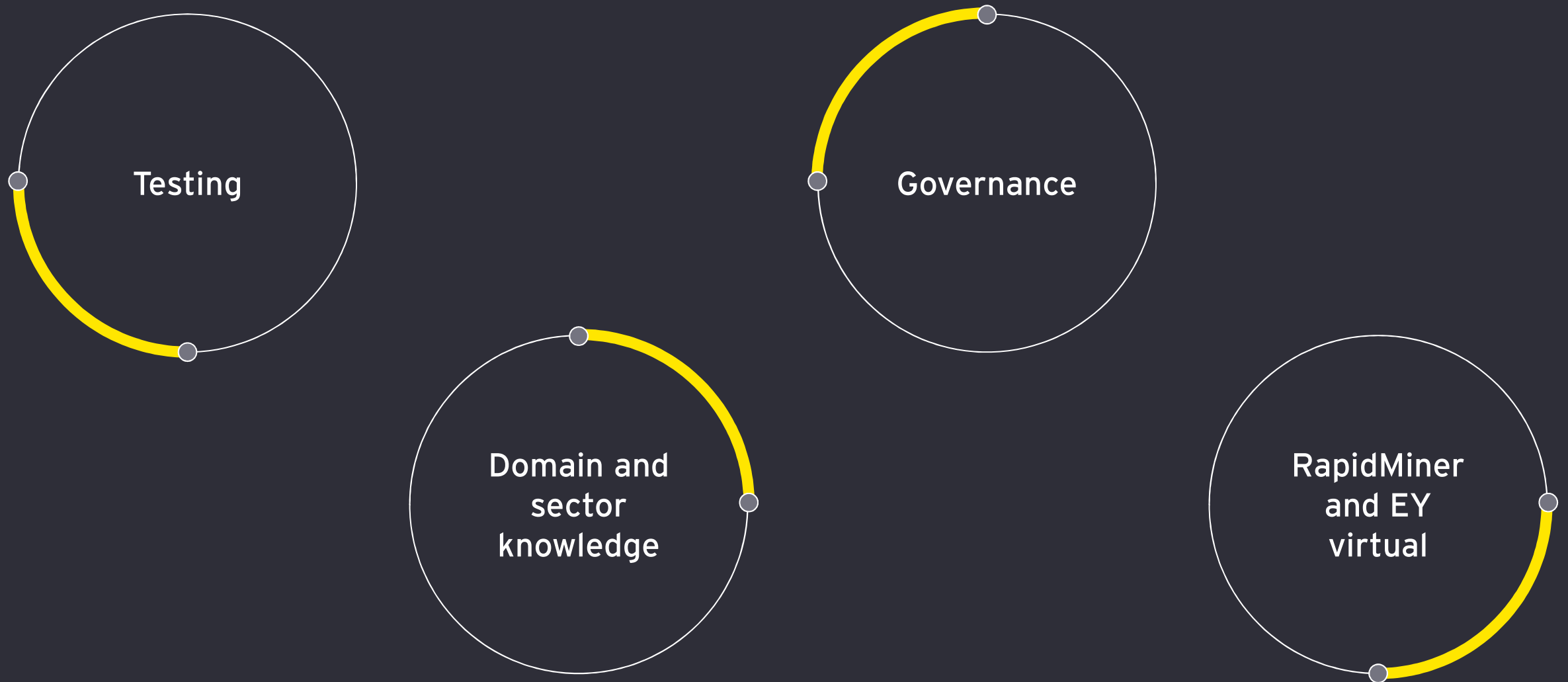
Integrating analytics and compliance



Forensic data preparation



Machine learning and risk mitigation



Case study: forensic data mining – integrated compliance



Case study

Company A is struggling to monitor integrity of third parties and wants to enhance its compliance program to mitigate this risk.

They face difficulties integrating data sources and quantifying risk.

Result

Ernst & Young LLP used historical results to train a scoring model that feeds directly into EY Virtual platform. Team members can review findings. Their decisions are fed back into the training data, which refines futures models.

Demonstration

Forensic data mining - integrated compliance



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