Oversight

Autonomic Analysis

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The Autonomic Vision

Wikipedia's definition:

In a self-managing autonomic system, the human operator takes on a new role: instead of controlling the system directly, he/she defines general policies and rules that guide the self-management process. For this process, IBM defined the following four functional areas:

- **Self-configuration**: Automatic configuration of components;
- **Self-healing**: Automatic discovery, and correction of faults;[6]
- **Self-optimization**: Automatic monitoring and control of resources to ensure the optimal functioning with respect to the defined requirements;
- **Self-protection**: Proactive identification and protection from arbitrary attacks.

Why try this for analysis?

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More Users of Analysis than Analysts
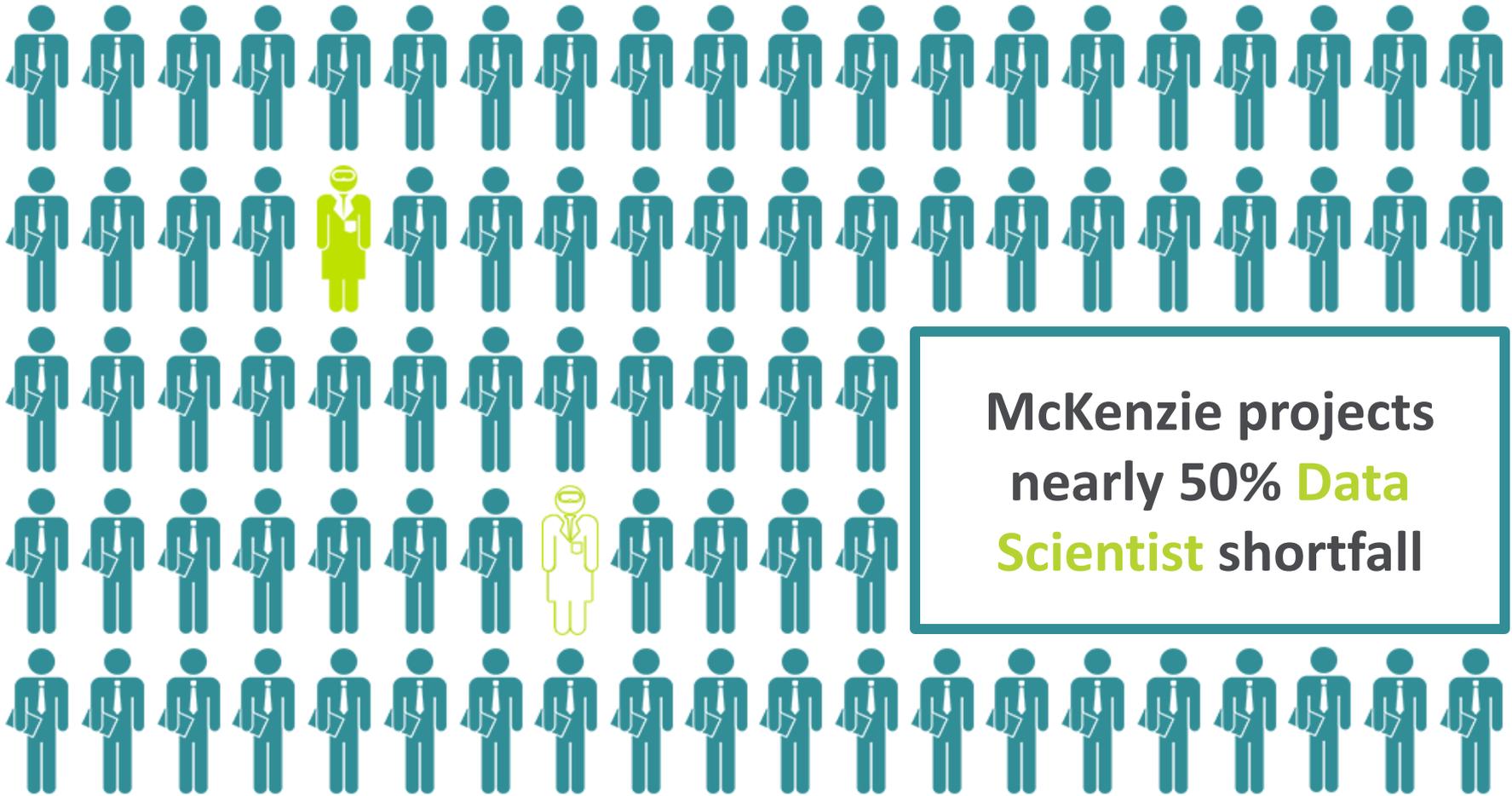

McKenzie projects nearly 50% Data Scientist shortfall

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Analysis Use Cases Differ

High ← RISK → Low

OF DECISIONS ↑

COLLABORATION ↑↓

Tactical

Strategic

Operational

Low → AUTOMATION → High
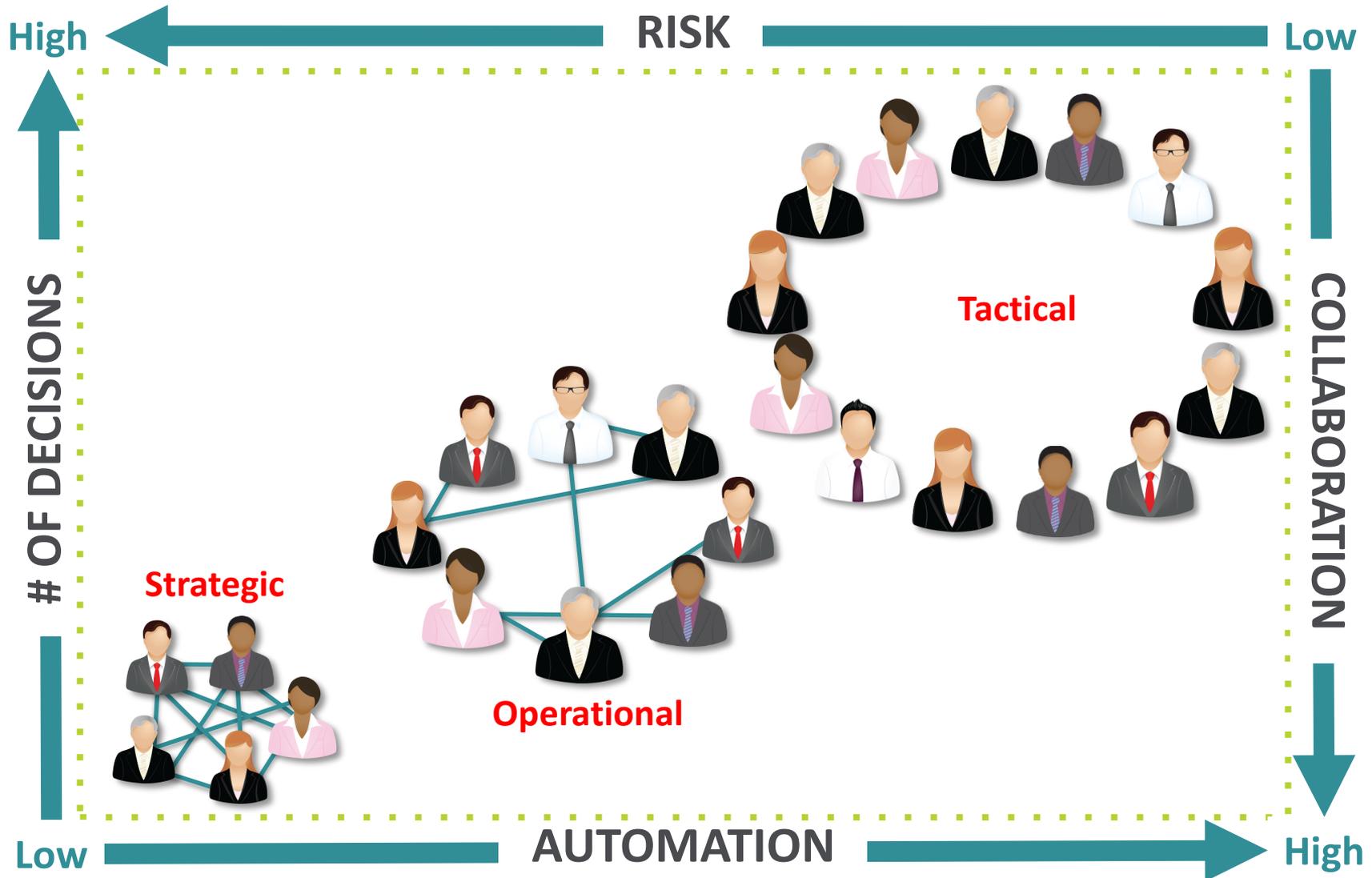
Characteristics of Automatible Analysis

High

↑

OF DECISIONS

- Repeated
- Known Questions
- Action is routine
- Recurring

Low ━━━━ AUTOMATION ━━━━➤ High
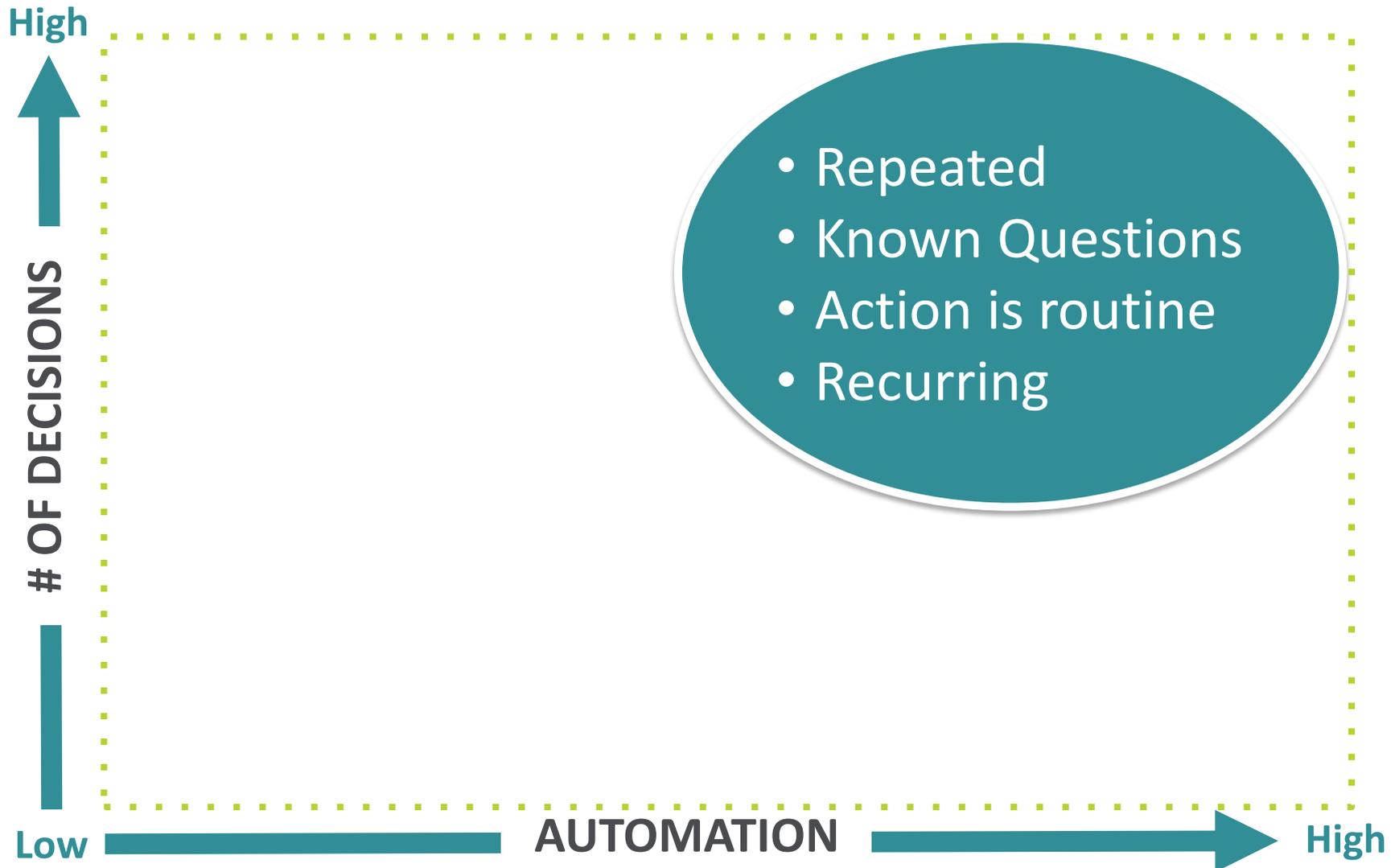
Continuous Monitoring Through the Lens of a Maturity Model

Optimizing

5

Managed

4

Defined

3

Repeatable

2

Initial

1

Classic Continuous Monitoring
- **Strong value and ROI**
- **Requires high level of maturity in use of analysis**

Analysis provided by Consultants
- **Used as part of normal business cadence**
- **Expensive for ongoing use when compared to technology based solutions**

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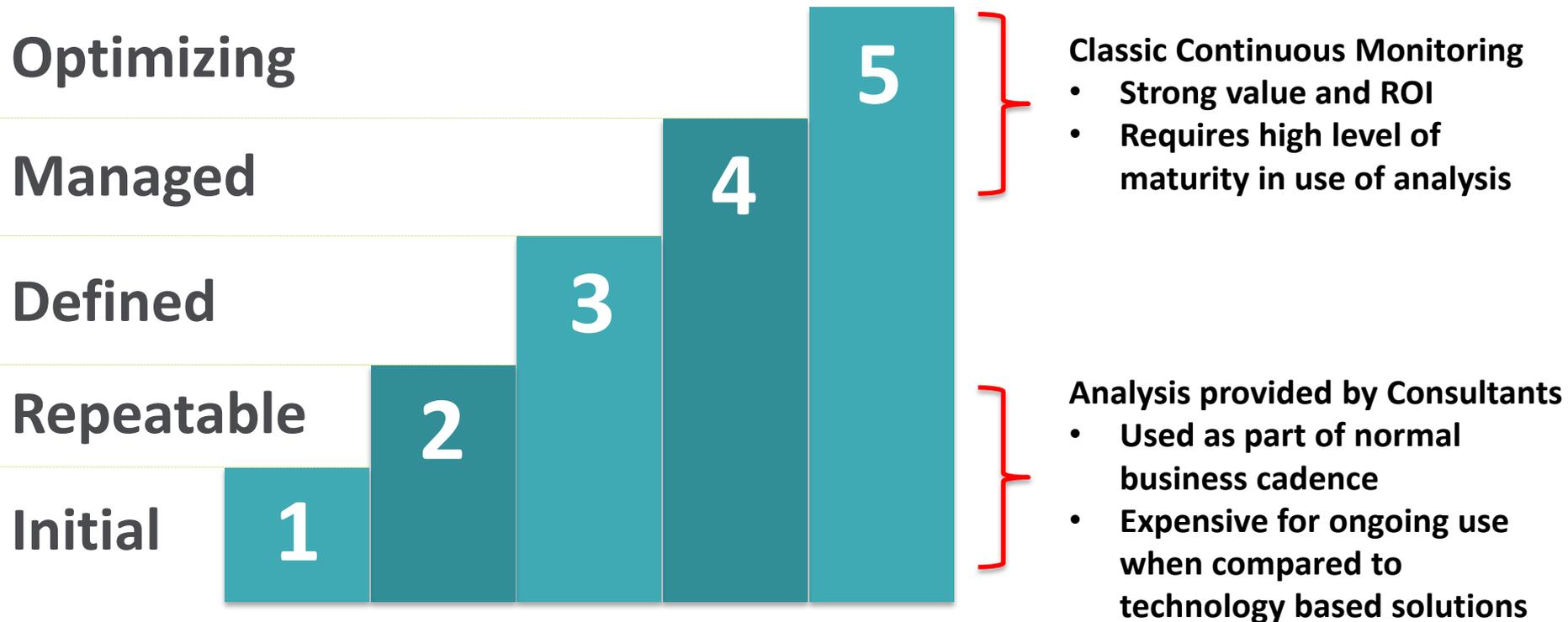
Actions Map to Frequency

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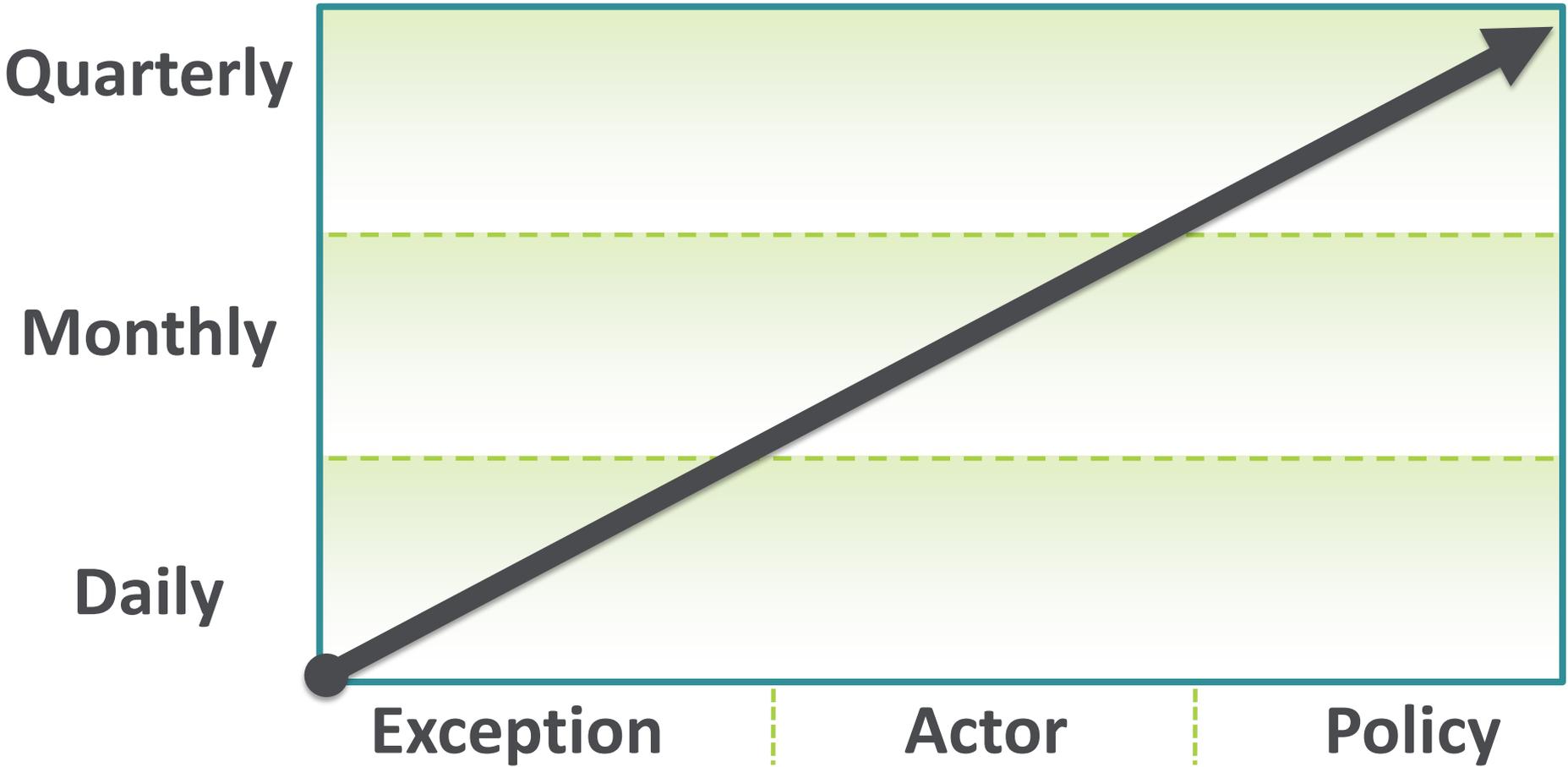
Engaging a Consultant

1 Select appropriate expertise

2 Provide the requested data

3 Interviews to understand the nuances of your situation

4 Initial analysis

5 Review results

6 Issue final report

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Getting Started with Insights On Demand

1   **Select an Insight & click the Get the Insight button**

T&E   **P-Card**   **P2P**

2   **Upload data to the Insights on Demand secure web site**

Get my Insight going!

3   **Tailor the analysis with a 15 minute survey**

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Insights Delivered

4 **Receive Your Insights**

Assessment Report

Executive Dashboard
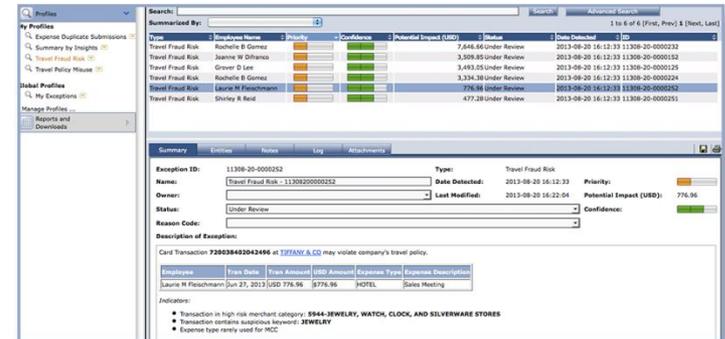
Analyst Workbench

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Bespoke Results – Off the Rack $

- Abstract the common analytic elements
  - Statistics
  - Similarity
  - Normal vs. Unusual
- Survey for the Client specifics
 - Risky merchants
  - Policy elements

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Business Users Understand Results

Analytics *LEARN* thru this input

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Market Opportunity

Vision for the Future

Market Opportunity

Traditional
Analysis

Autonomic
Analysis

CHANNEL OPTIMIZATION
SALES REP EFFECTIVENESS
RETURN FRAUD
SALES & USE TAX
T&E
PURCHASE CARDS
DUPLICATE PAYMENTS
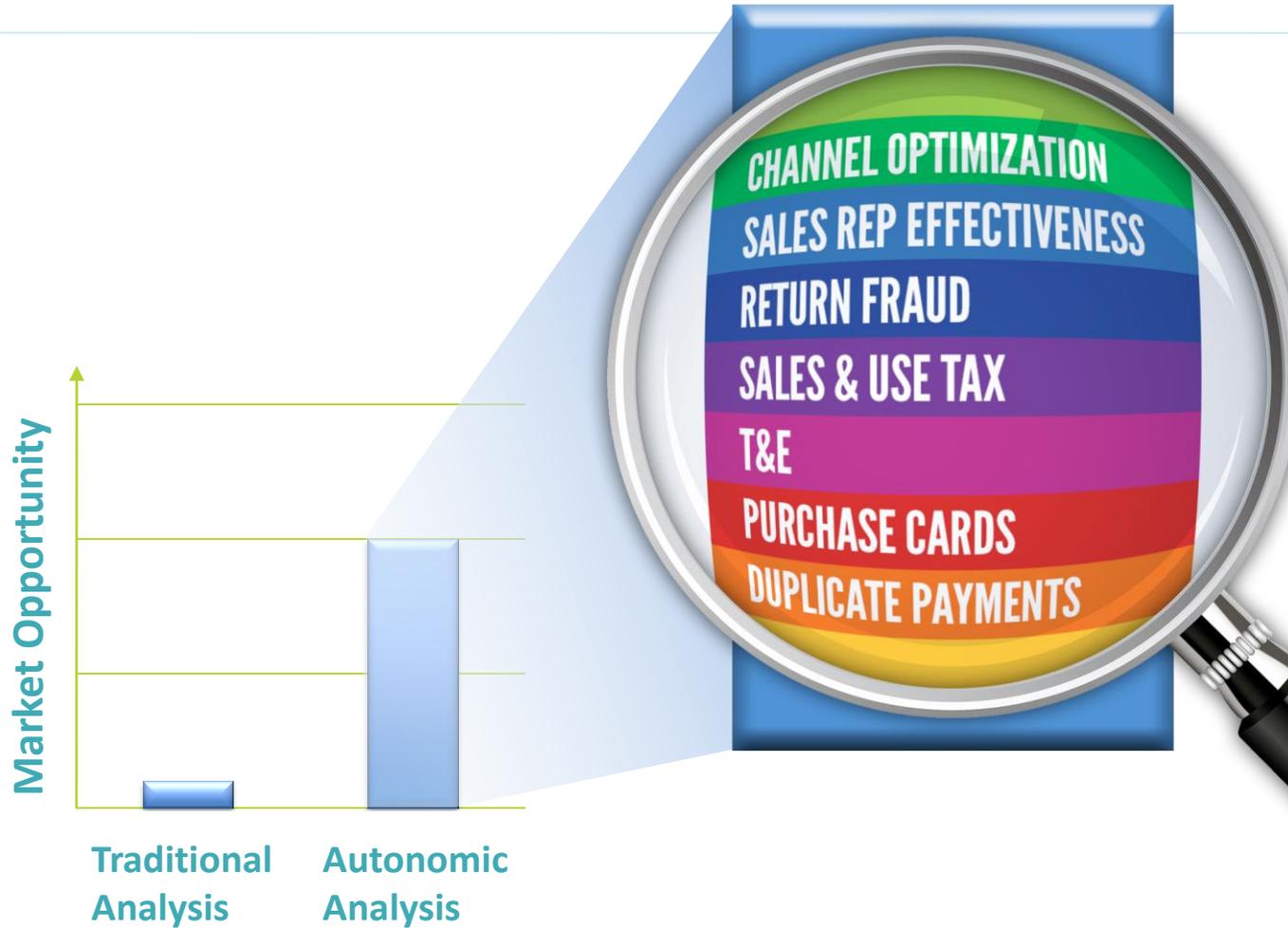
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Partnering with Domain Experts

Deep Domain Expertise
- **Known questions**
- **Applicable to transaction style data sets**

X

Oversight IOD Platform

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Thank you.

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