

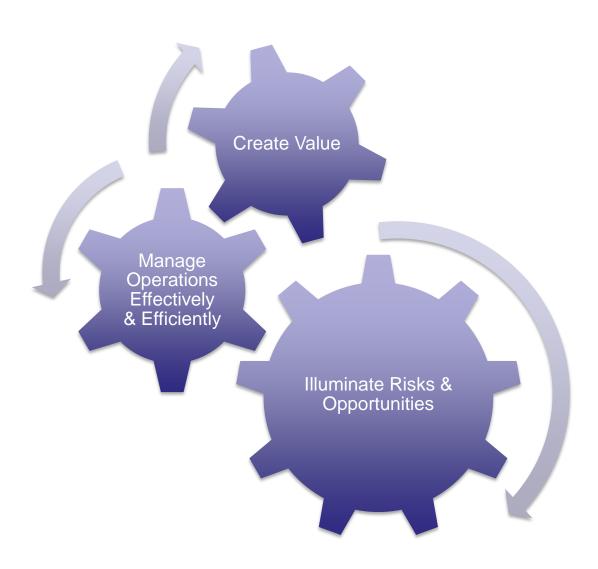
Maximizing the Value of Data Analytics for Operational Risk Intelligence

Don't just do data analytics. Transform data analysis activities into ORM programs.

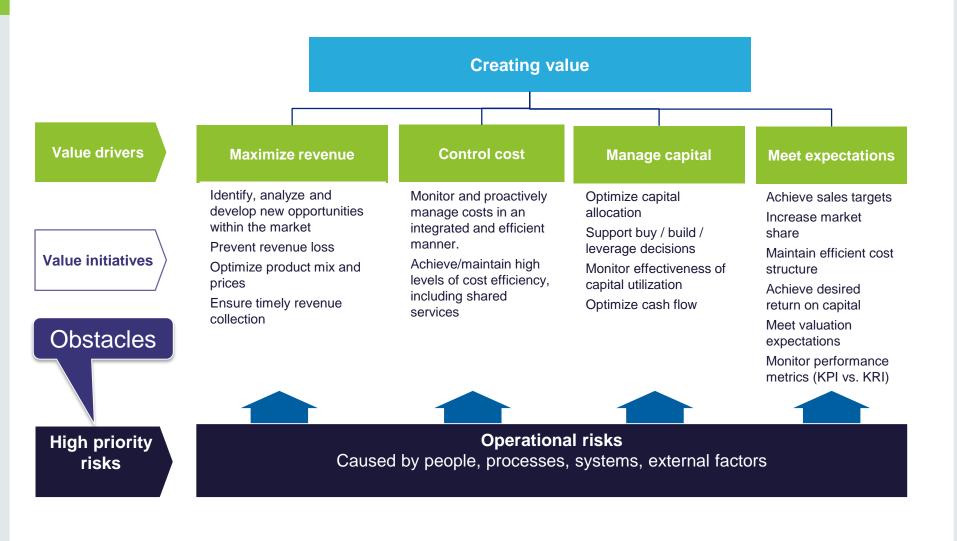
Presented by:

Sergiu Cernautan, CPA, CISA; Director of GRC Strategy, ACL Services, Ltd.

THE ORGANIZATION'S DATA CONTAINS THE KNOWLEDGE TO ...



WHAT ARE THE TYPICAL VALUE CREATION OBJECTIVES?



WHAT STANDS IN THE WAY OF ACHIEVING VALUE OBJECTIVES?

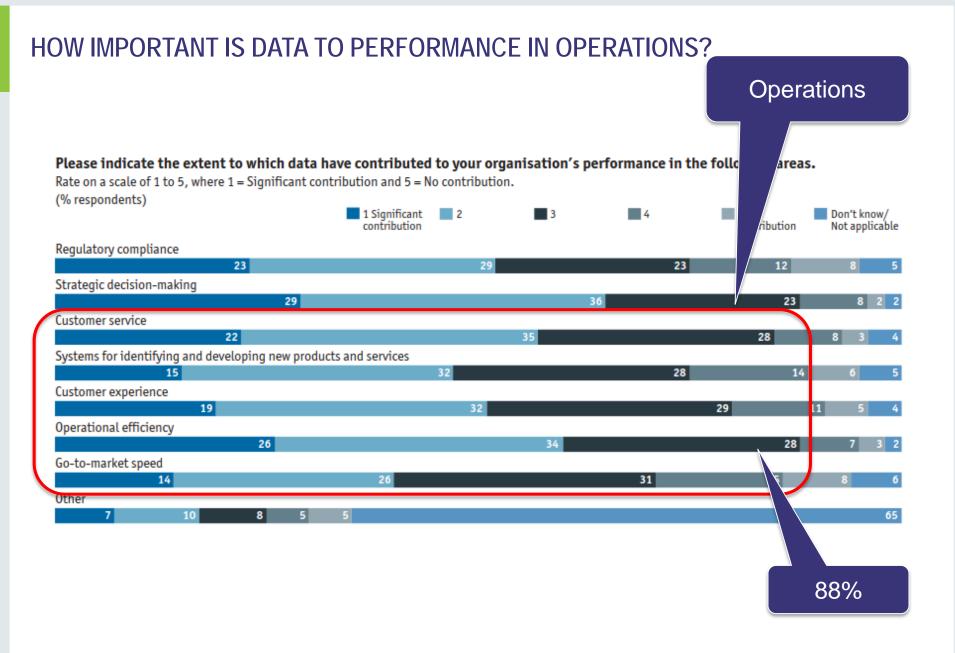


The risk of direct or indirect loss resulting from inadequate or failed internal processes, people and systems or from external events.

- Basel Committee's definition of Operational Risk

Operational risk can result in loss of revenue, increased costs, poor return on capital, and failure to meet performance expectations.

An effective ORM process enables organizations to identify, escalate, assess, prioritize, respond to, monitor and report risks that could impact achievement of value initiatives.





HOW CAN DATA ANALYTICS HELP?

"... analytics is the process of obtaining an optimal or realistic decision based on existing data."

(Wikipedia)

"Analytics leverage data in a particular functional process (or application) to enable context-specific insight that is actionable."

(Gartner, 'Analytics' buzzword needs careful definition, Andreas Bitterer)

"Data analytics is the science of examining raw data with the purpose of drawing conclusions about that information. Data analytics is used in many industries to allow companies and organization to make better business decisions ..."

(www.whatis.com)

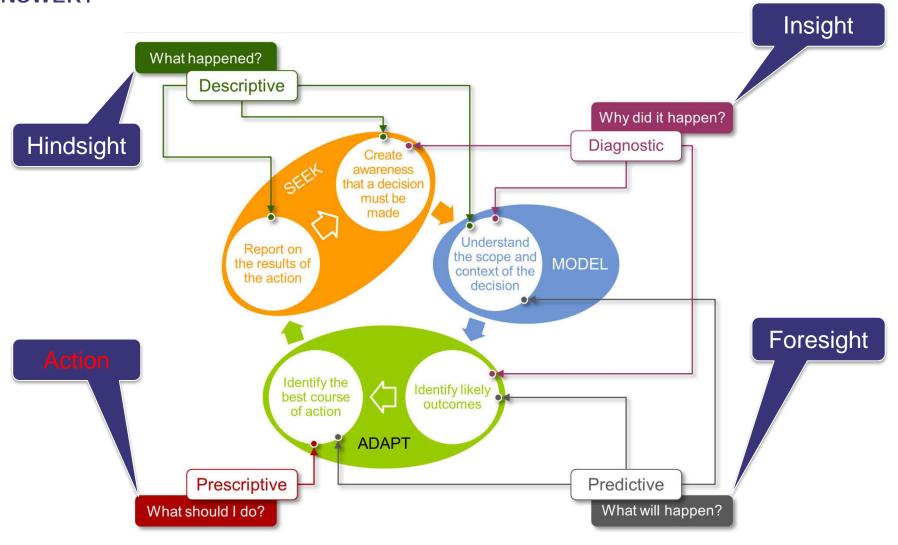
Illuminate Risks &

Manage Operations Effectively & Efficiently

Create Value

Opportunities

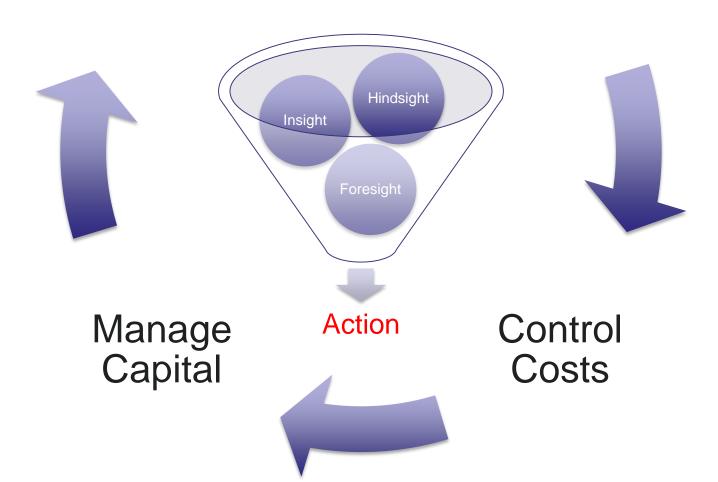
CRITICAL ANALYTICS CAPABILITIES: WHAT ARE THE KEY QUESTIONS TO ANSWER?





Meet Expectations

Maximize Revenue



WHAT KIND OF DATA ARE COMPANIES EXPECTED TO ADDRESS?

- Unstructured data
- · Less automated processes
- Often "point" solutions in vertical silos
- Event driven/ often low volume
- Non- standardized Data

 Data

 ERP

 Legacy

 GRC Technologies

 GRC

 Database
- Highly structured data
- Highly automated processes
- Transactional in nature
- Often high volume

Combination of Systems and People

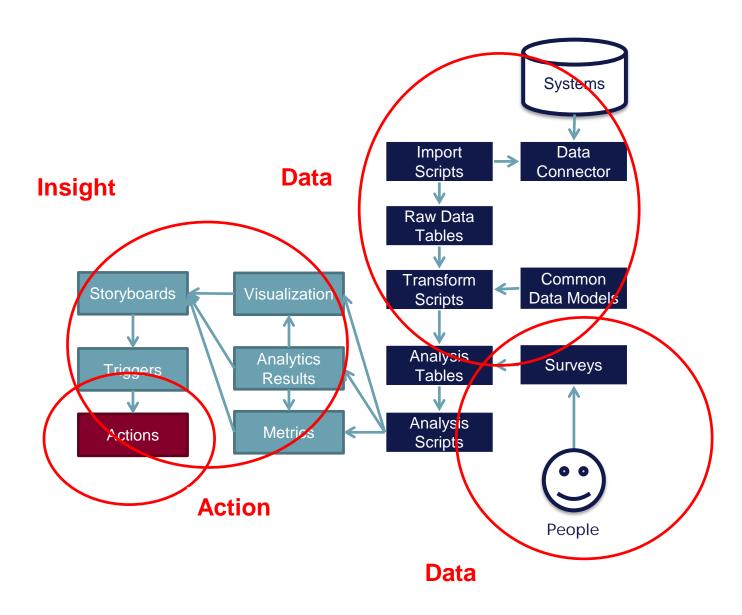
Traditional ERP Source Data

- A single data repository of standardized and non-standardized data
- Ability to collect, analyze and report data to address a variety of stakeholder needs
- · Enables continuous monitoring, KPIs, KRIs, dashboards, etc.

Fundamentals of GRC PwC August 2012 Slide 13



ACL FRAMEWORK FOR ACTION ORIENTED DATA ANALYTICS PROGRAMS



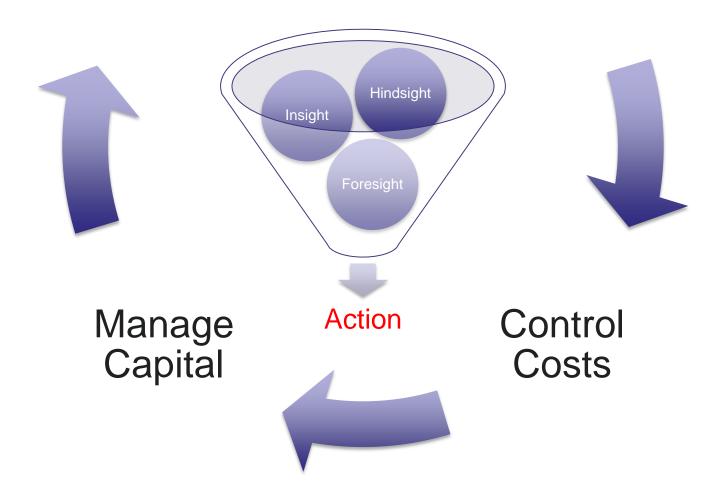


GETTING PRACTICAL

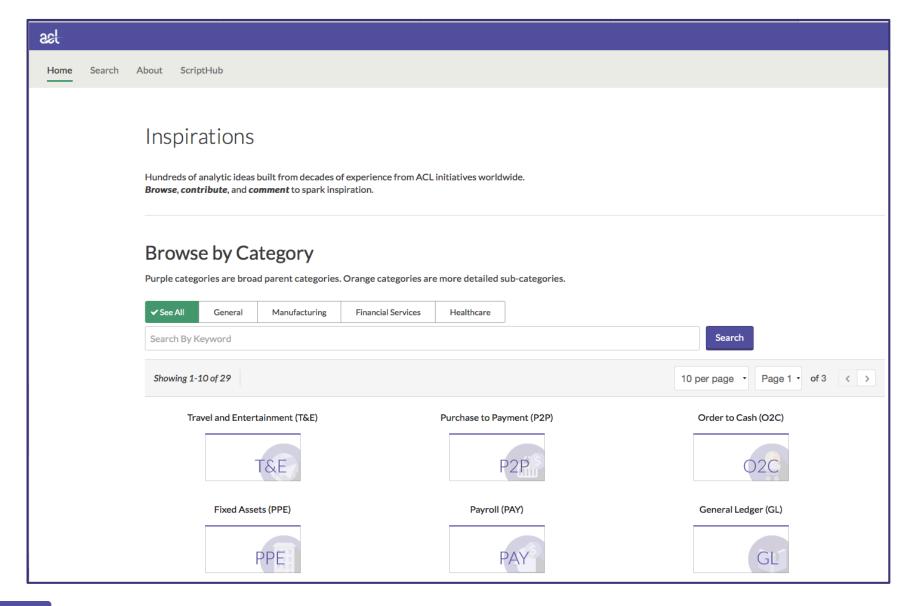
Combining Value Creation with Analytical Capabilities

Meet Expectations

Generate Revenue

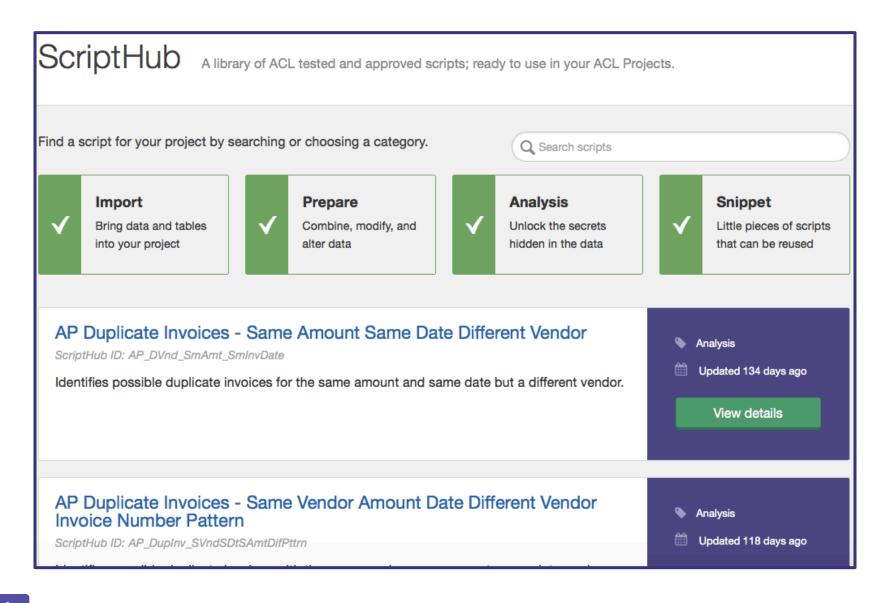


INSPIRATION HUB – A COLLECTION OF ANALYTIC USE CASES





SCRIPTHUB – A COLLECTION OF PRE-WRITTEN SCRIPTS



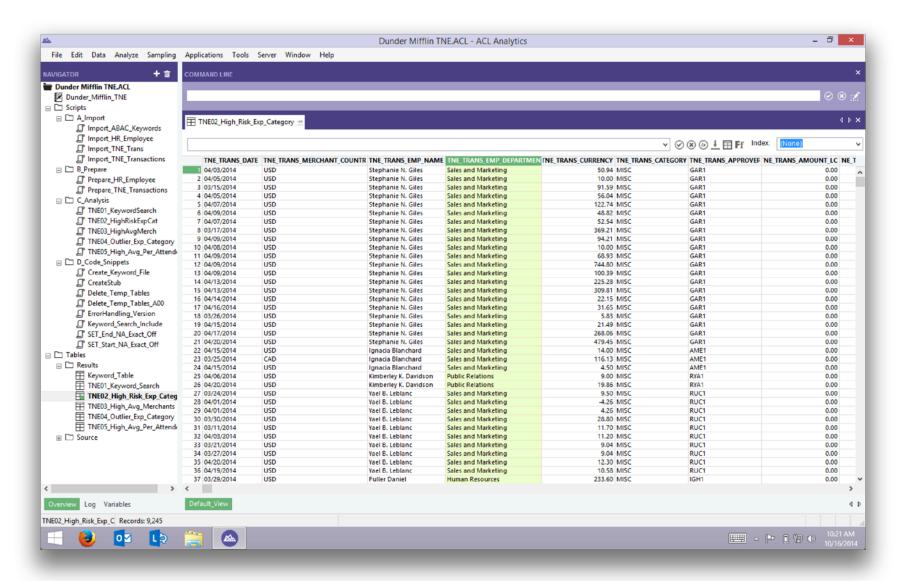




CONTROL COSTS: DISCRETIONARY SPENDING

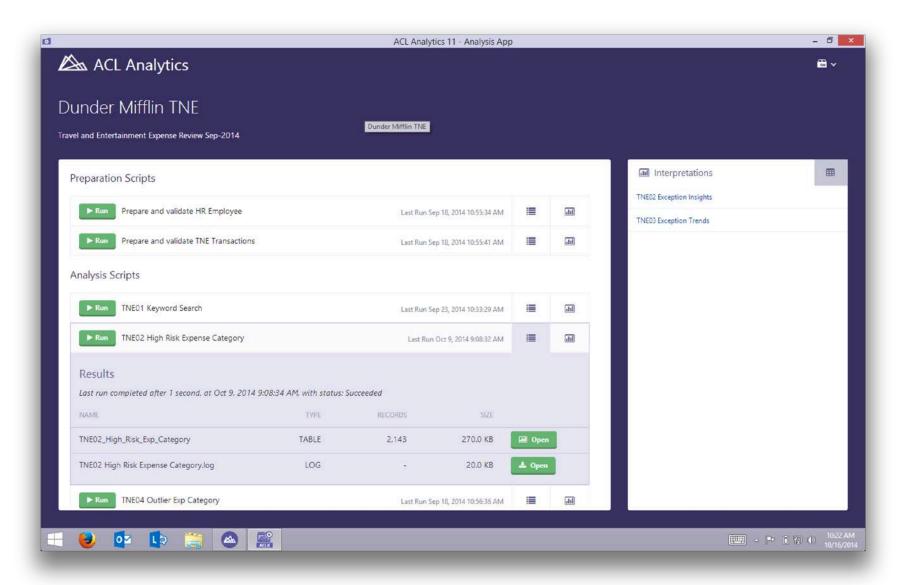
Answering the question: What happened?

DATA: Discretionary Spend Transactions



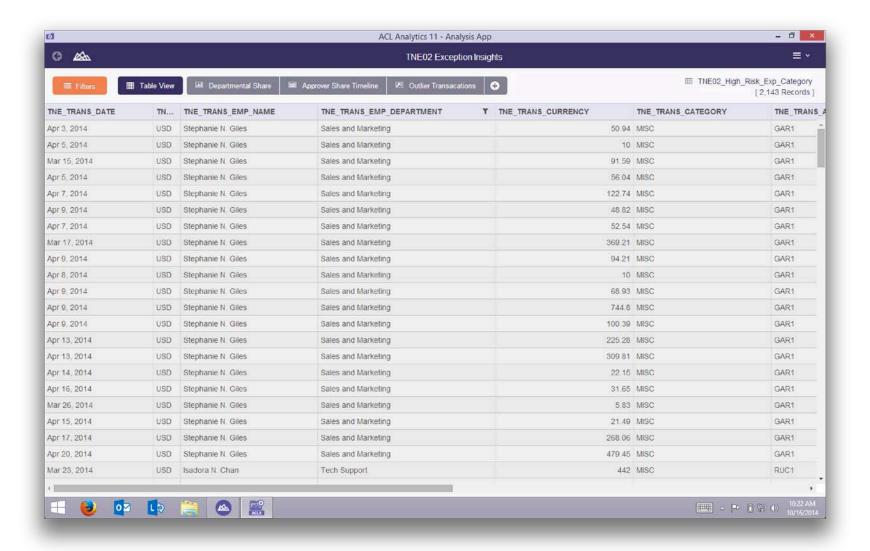


DATA ANALYSIS OBJECTIVE: Continuous Discretionary Expense Monitoring





RESULTS: Questionable Spend Transactions







CONTROL COSTS: DISCRETIONARY SPENDING

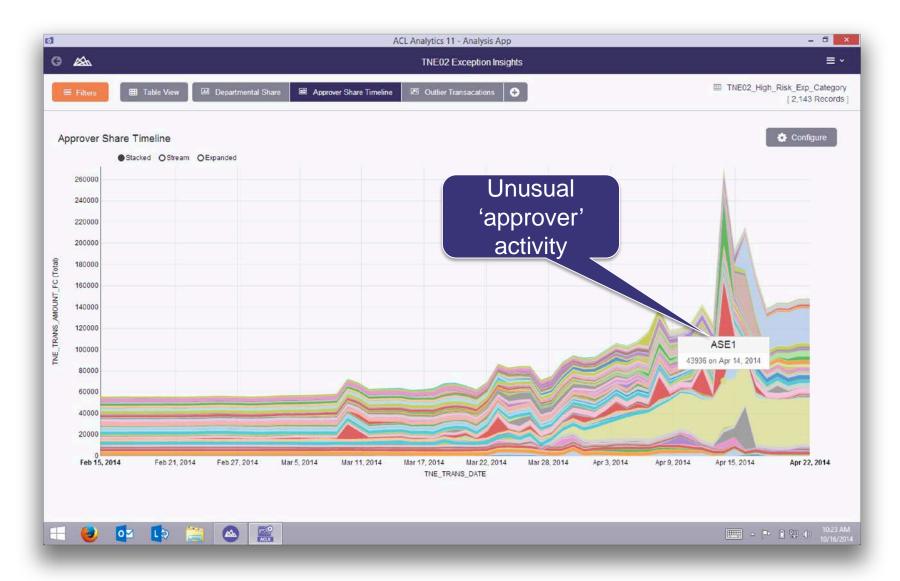
Answering the question: Why did it happen?

GENERATING: Insights & Data Visualizations





GENERATING: Insights & Data Visualizations

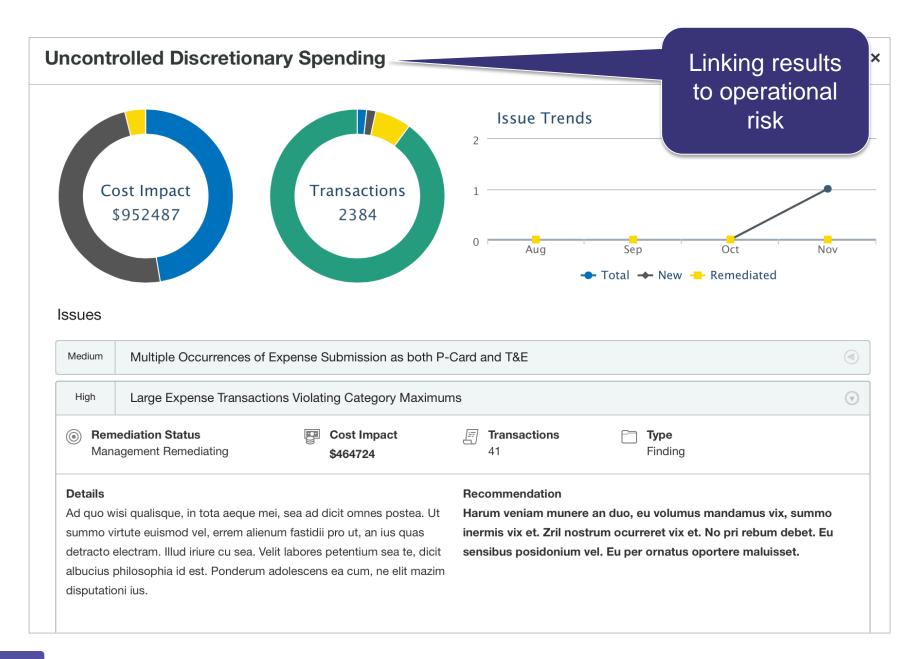


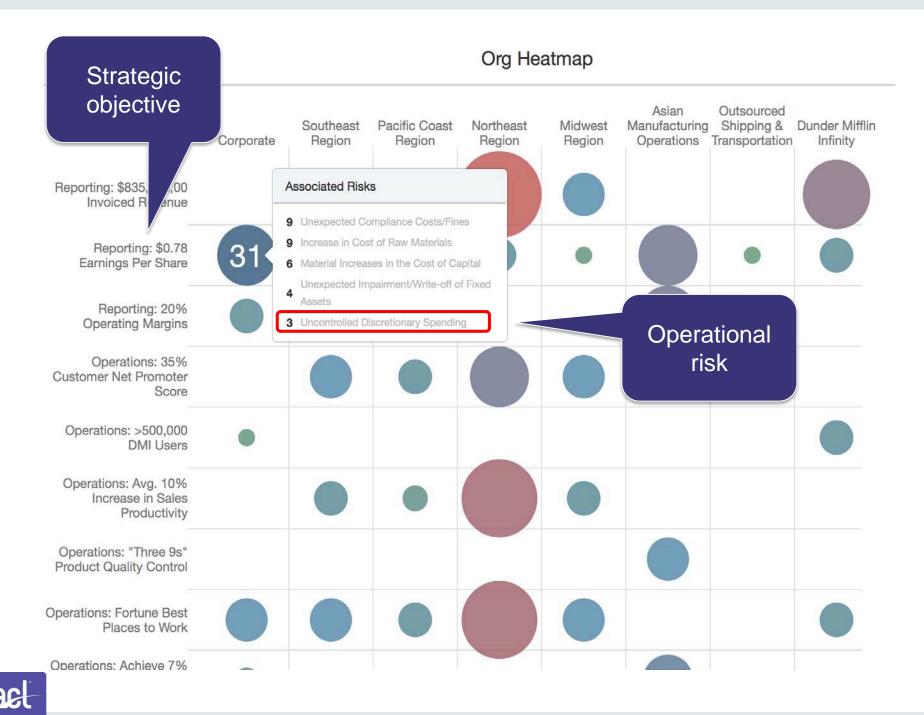




CONTROL COSTS: DISCRETIONARY SPENDING

Answering the question: What will happen?



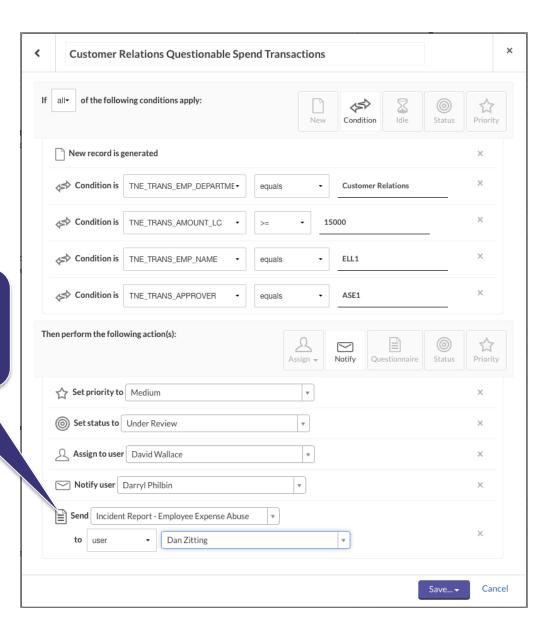




CONTROL COSTS: DISCRETIONARY SPENDING

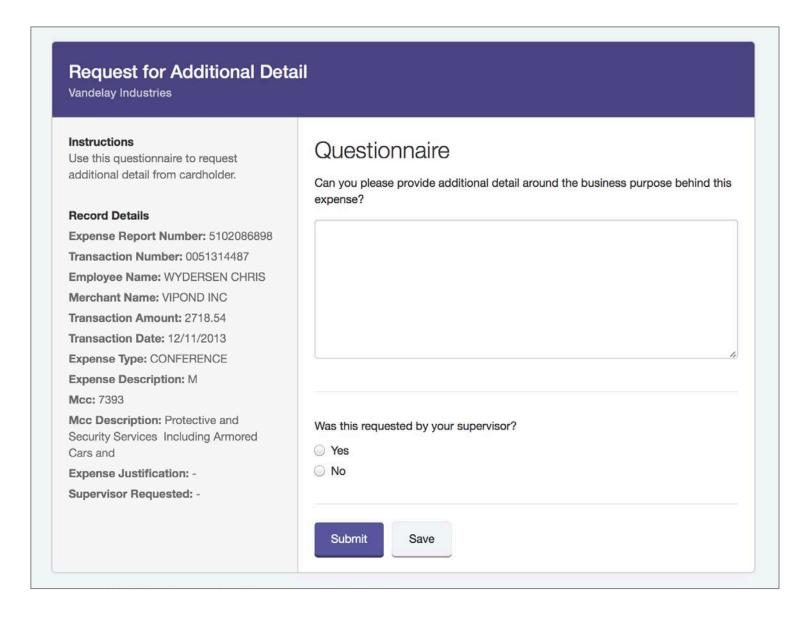
Answering the question: What should I do?

TRIGGERING: Actions



Human Data Mining

TRIGGERING: Actions







TURNING ANALYTICS INTO ORM PROGRAMS

Combining the 4 analytic capabilities

MAXIMIZING REVENUE: MONOTORING SALES KPI/KRI INDICES



Thank You!



APPENDIX: ANALYTICS RESOURCES FOR ORM PROGRAMS

Further tools to help you

FURTHER RESOURCES TO SUPPORT YOUR DATA ANALYTICS

Baystate Health Inc. case study (referenced in this APPENDIX)

http://www.acl.com/pdfs/Case_Study_Baystate_Health.pdf

Sample ACL data analysis use case library

https://accounts.aclgrc.com/inspirations

Sample ACL data analysis script template library

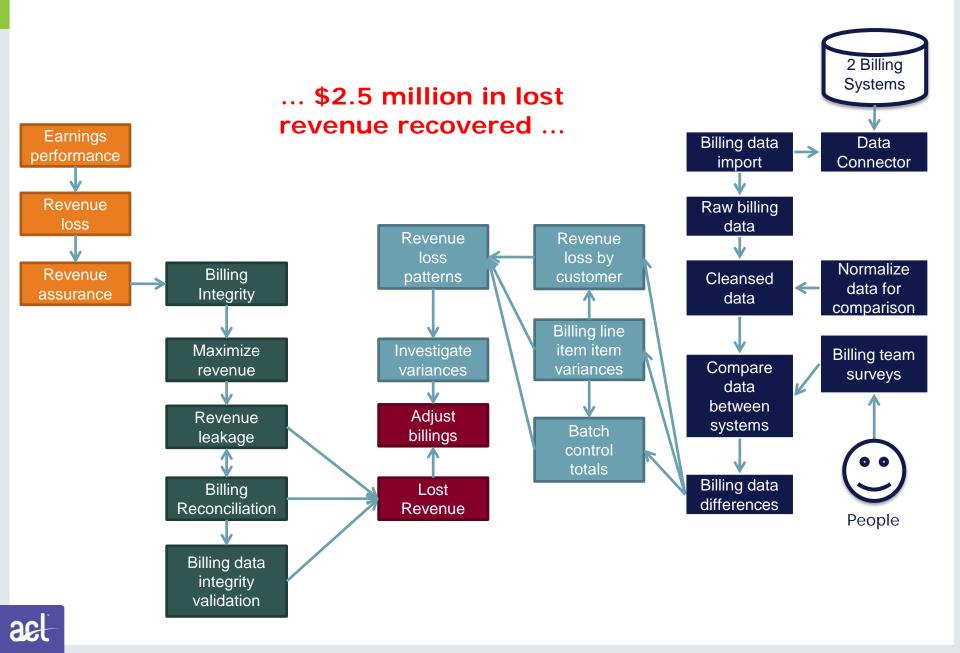
http://www.acl.com/2015/02/12/what-is-acl-scripthub/

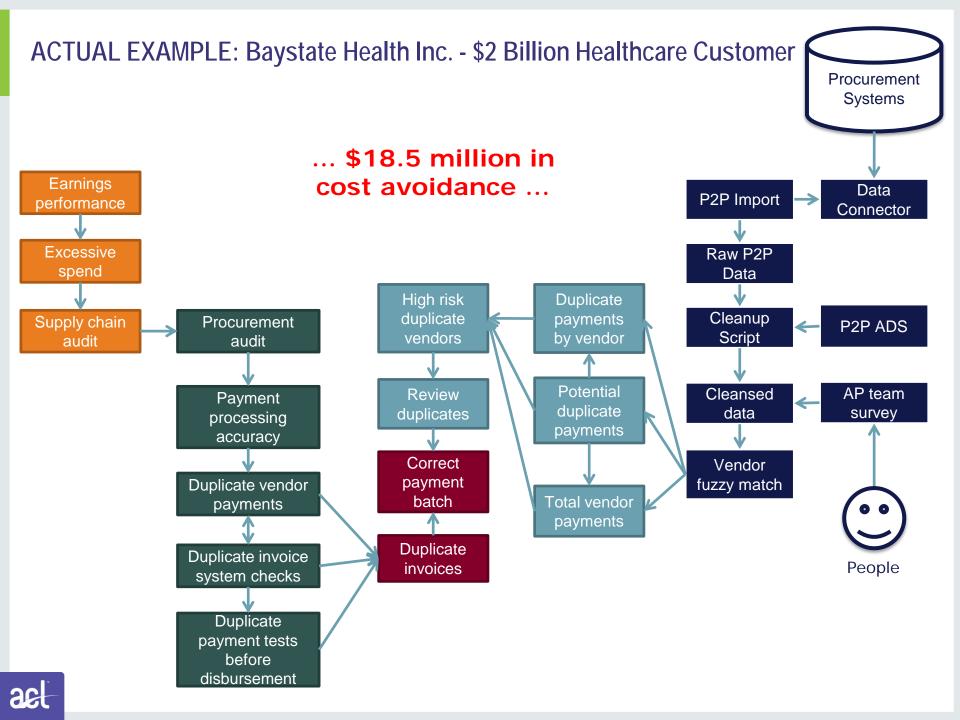
Sample data analysis use case applications by industry

- http://www.acl.com/pdfs/Applications_Education.pdf
- http://www.acl.com/pdfs/Applications_Retail.pdf
- http://www.acl.com/pdfs/Applications_Manufacturing.pdf
- http://www.acl.com/pdfs/Applications_Insurance.pdf
- http://www.acl.com/pdfs/Applications_Healthcare.pdf
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- http://www.acl.com/pdfs/applications_Banking.pdf



ACTUAL EXAMPLE: Baystate Health Inc. - \$2 Billion Healthcare Customer







For more information please contact:

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