



Gaining Insights to Business and Operations by Using Splunk's Business Analytics Capabilities

Going Beyond IT/Security To Improve Business Operations Using Splunk

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Introduction

Who and what?

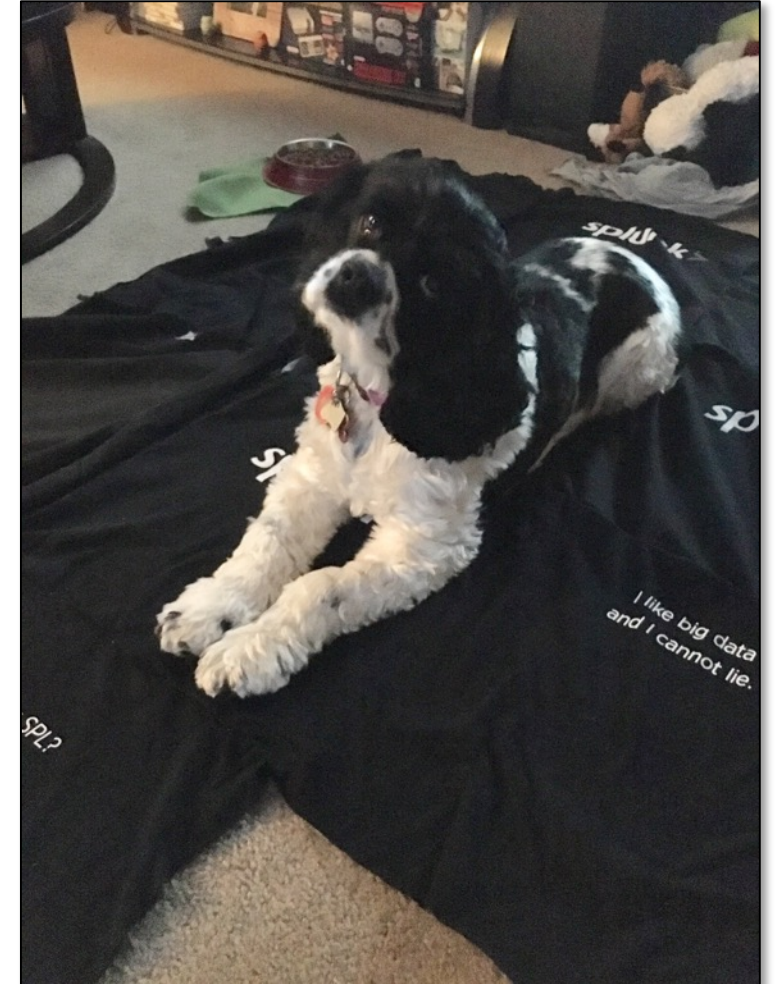
Bio: Clara Merriman

Splunk Engineer – SplunkZero Team, Splunk, Inc.

- ▶ Own the best dog ever, **Sadie**
- ▶ **B.S. in Mathematics** from University of South Dakota
- ▶ Joined Splunk in June 2018
- ▶ Lead BI Engineer @ SONIFI Solutions
- ▶ Started using Splunk in late 2013
- ▶ Splunk Community leader
 - **Splunk Blogs** author
 - **Splunk User Group** leader
 - **SplunkTrust** member (*MVP Program*)



<https://www.linkedin.com/in/clara-merriman-5a871299/>



What's on the lineup?

...and now to interrupt your regularly scheduled program to bring you this...

- ▶ Why is leveraging machine data outside of IT/Security important?
- ▶ Examples use cases for the business
- ▶ Best practices for getting started

“Data is what you need to do **analytics**.
Information is what you need to do
business.”

John Owen




Importance

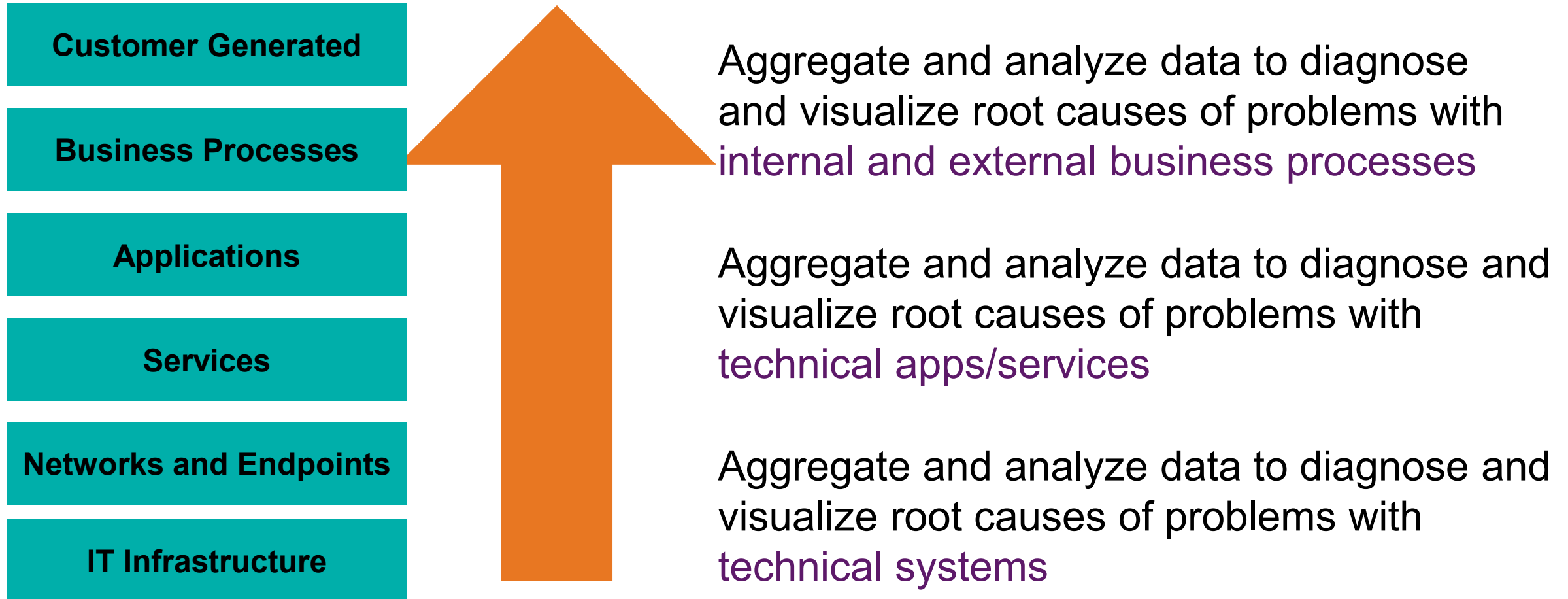
It's worth it

Splunk> More flexible than an Olympic gymnast

So what could you do if you applied this approach outside of IT and Security?

- 
- A yellow circular emoji with a thinking expression. It has thick, dark eyebrows, large dark eyes, and a small, slightly downturned mouth. A hand is shown at the bottom left, with the index finger pointing up towards the forehead, indicating deep thought or contemplation.

Monitoring Data That Is Higher In The Stack Opens New Ways To Use Splunk For You



Monitoring Data That Is Higher In The Stack Opens New Benefits For You

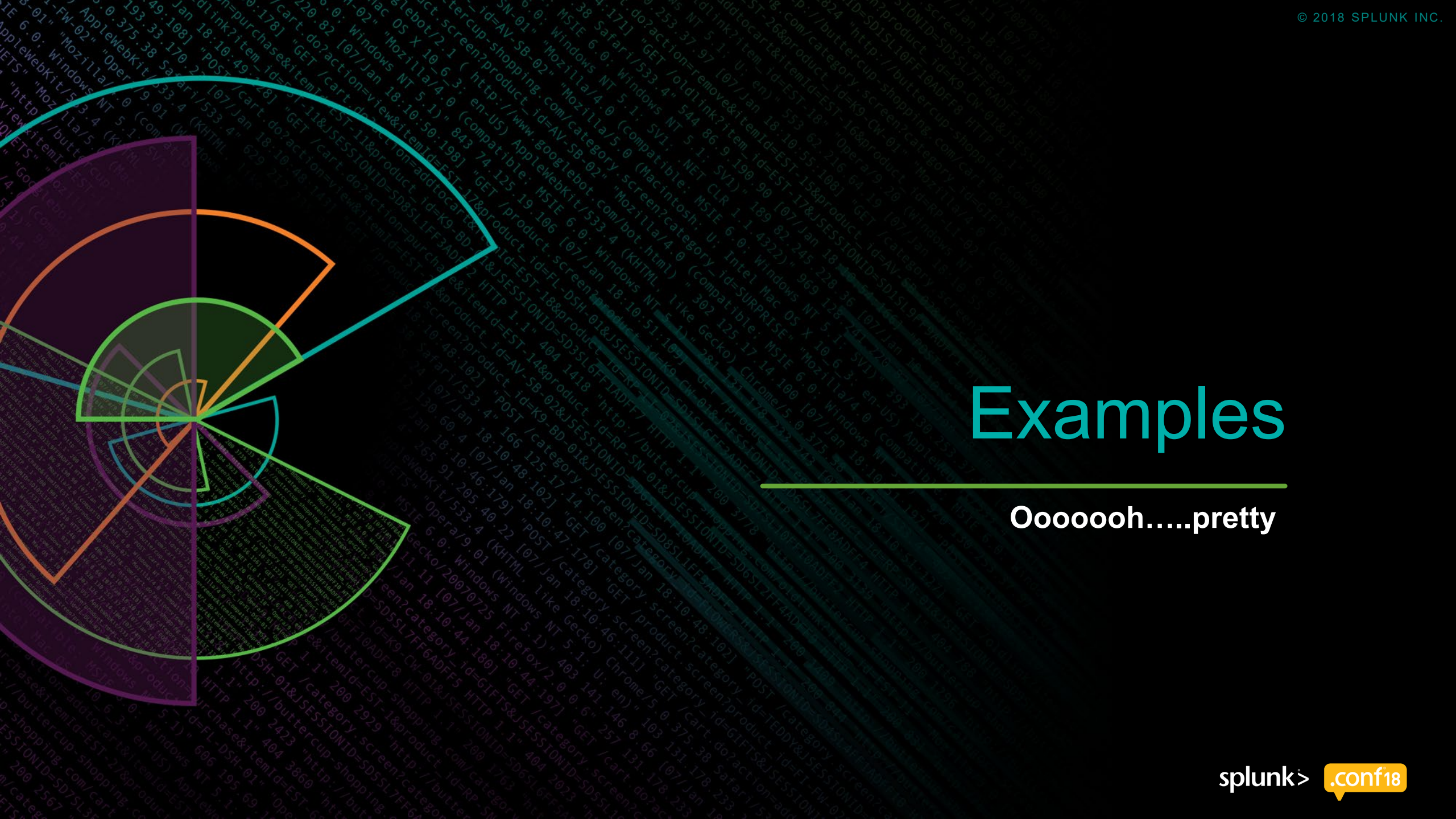


Example Data Sources For Business Use Cases

- **Business Process Logs** (Payments status, customer order status, etc.)
- **Web logs, Application logs**, middleware logs, transaction logs, mobile app page views
- **POS** (Point of Sale) transaction logs, sales
- **Call Detail Records**, Call Center IVR logs
- **NPS** Customer Survey records
- **Marketing/CRM** Interactions: emails, calls, leads, opportunity event
- **ERP/Finance** Billing & Invoicing, Procurement & Revenue, Quotes, Orders
- **Referential lookup** data from structured data

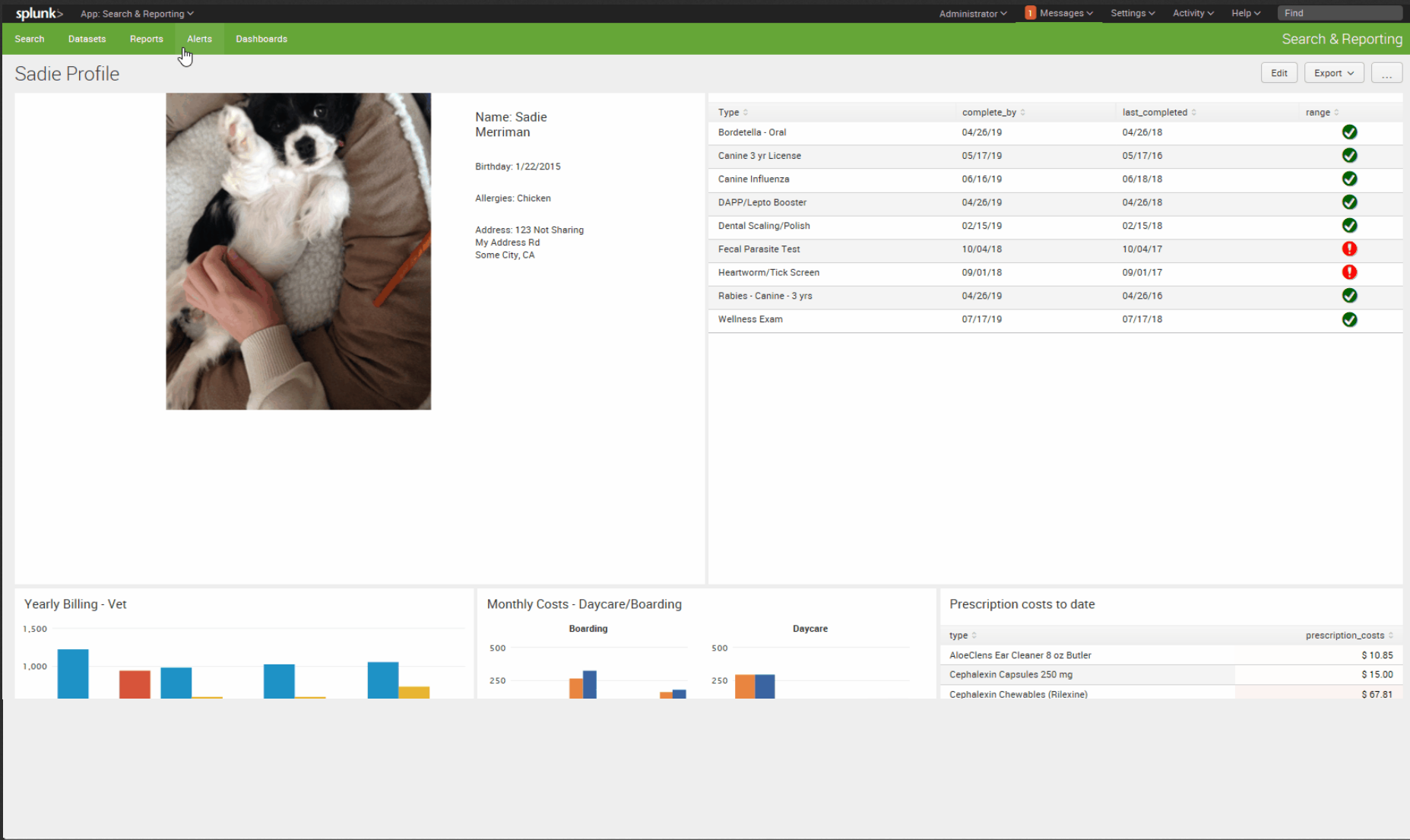
Industry Examples of Business Use Cases

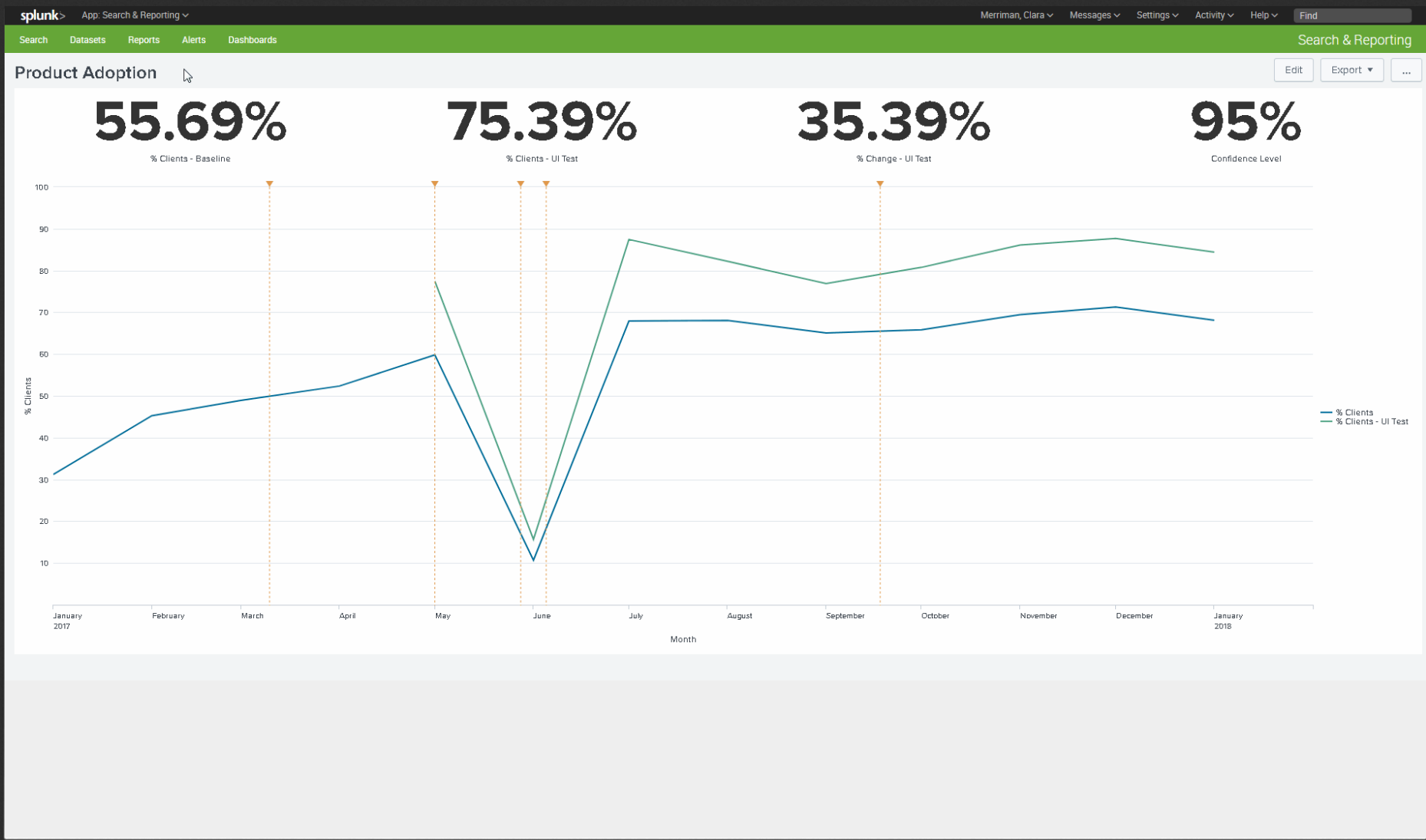
Industry	Use Case Ideas	
Education	Predict at-risk students	Admission rates
Retail	Website journey	Sales and promos
Banking	In-branch or Online	Service adoption
Manufacturing	Operating expenses	Process enhancements
Government	Intelligence-Led Policing	Human services
Healthcare	Re-admit rate	Satisfaction scores

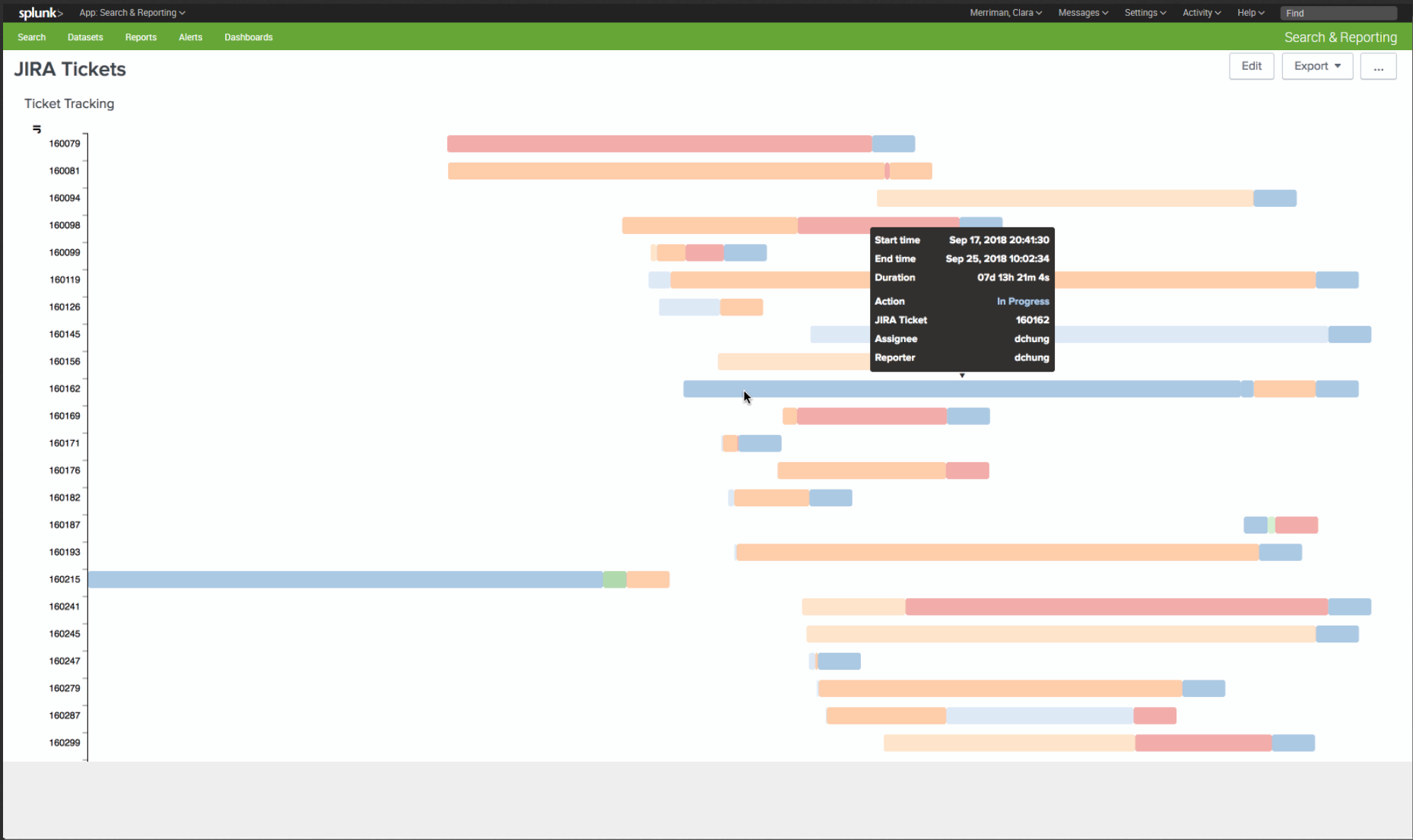


Examples

Ooooooh.....pretty





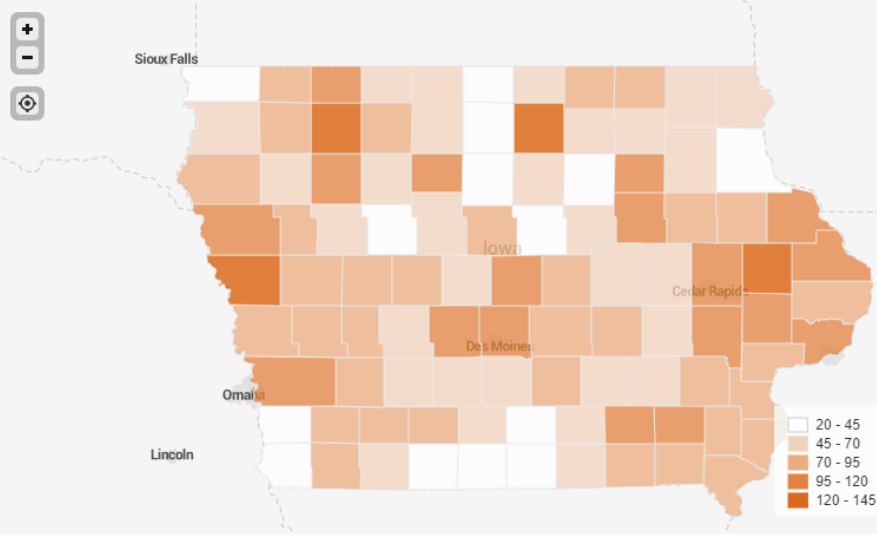


Iowa Liquor Store Orders

Orders made from class E liquor stores in Iowa

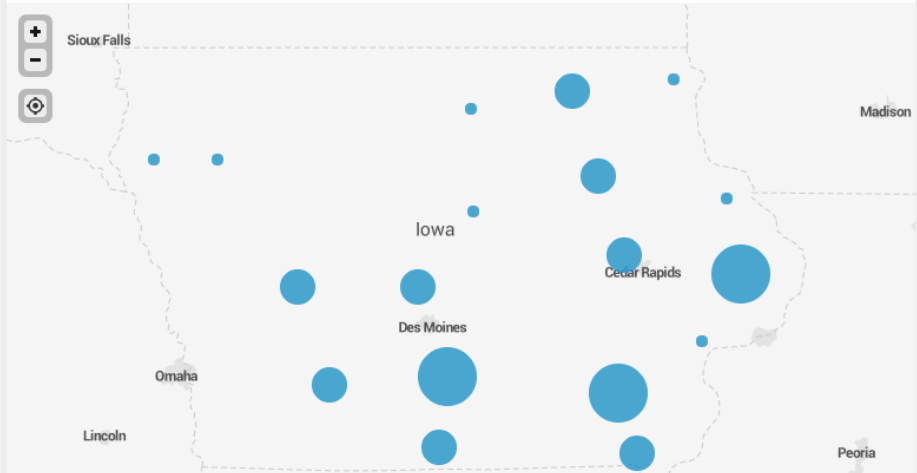
Edit Export ▾ ...

Average Bottles Ordered per Invoice by County



Streaming Orders

Show Cluster Map Show Single Value Map

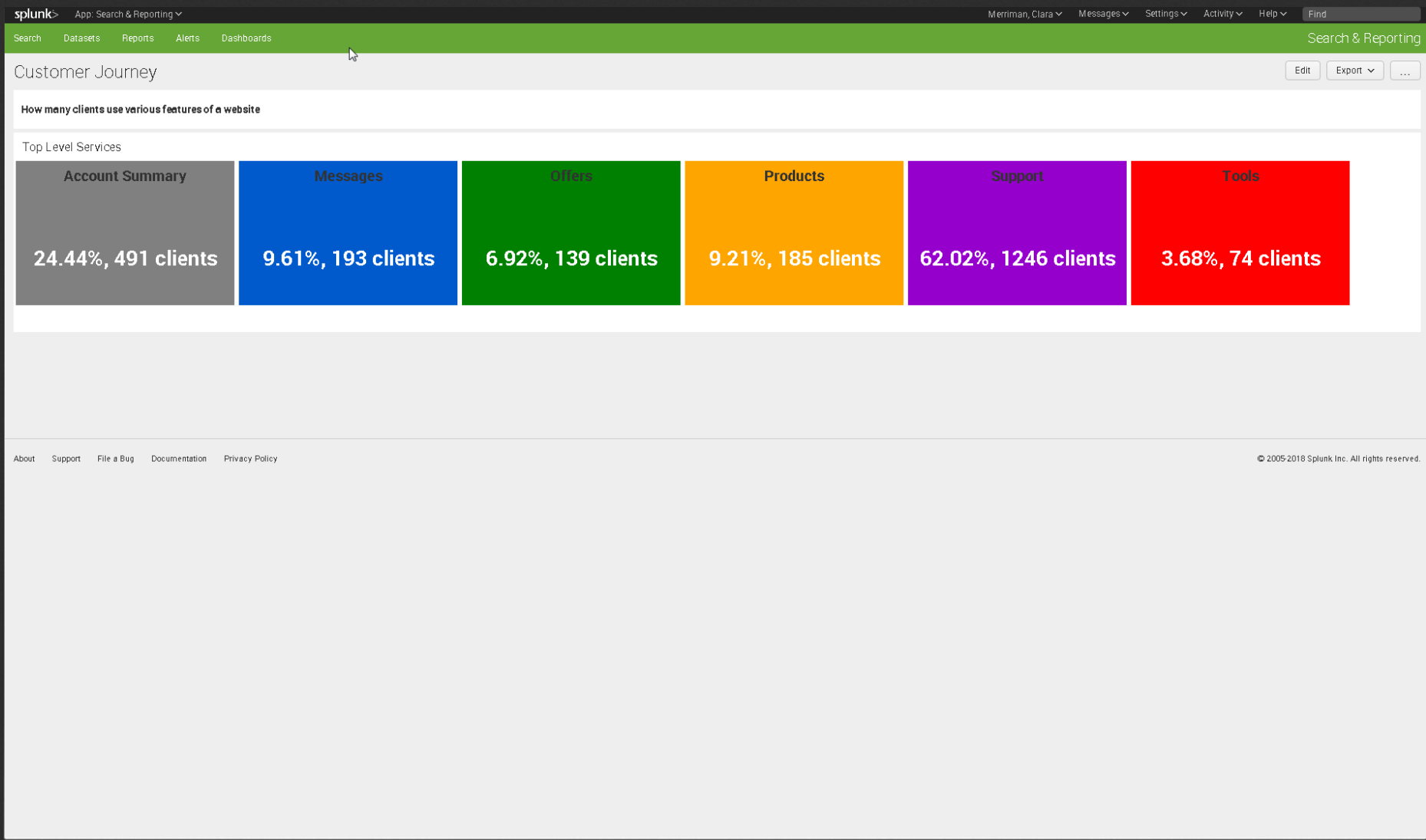


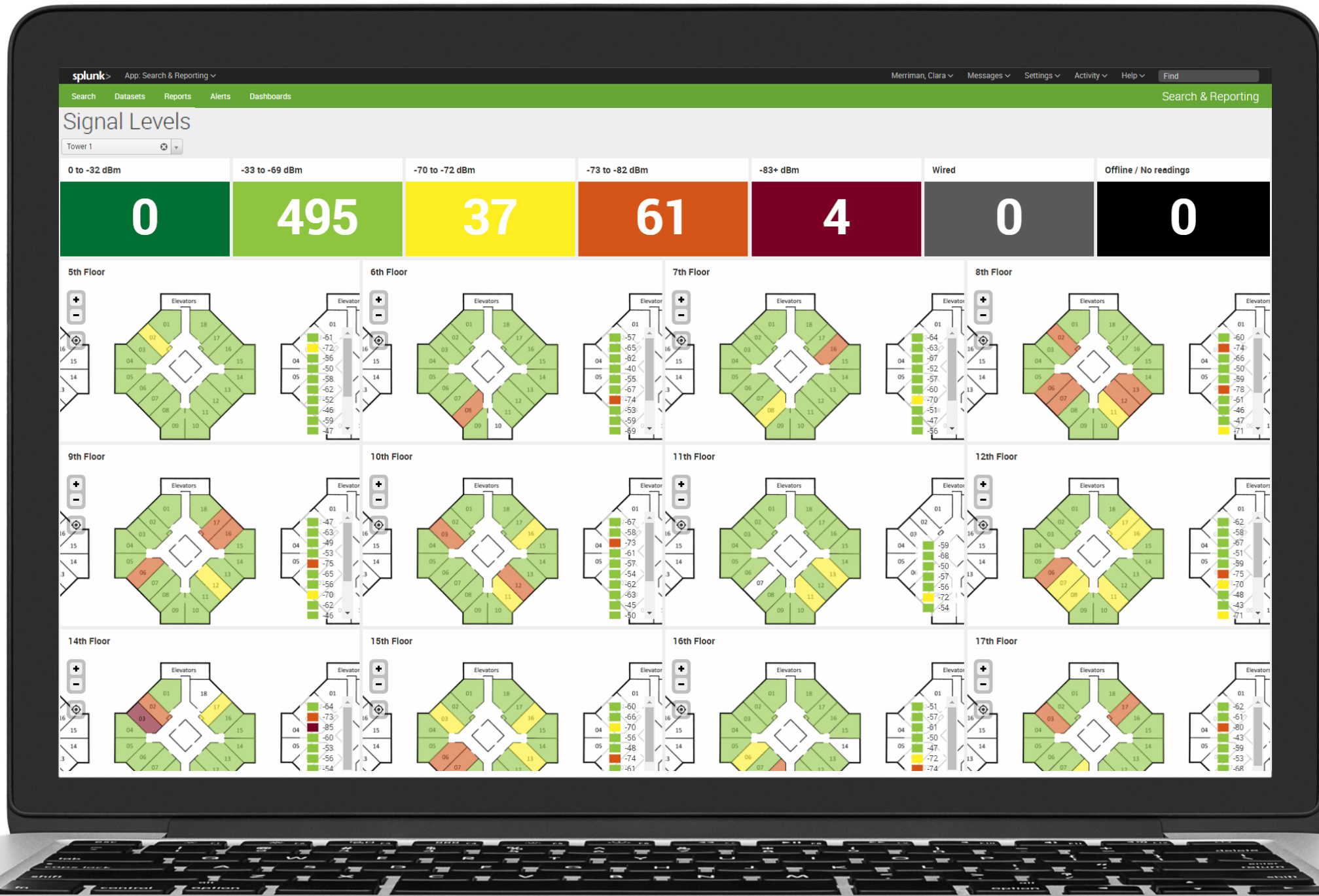
Canadian Whiskies

Black Velvet

\$3.35

Avg Profit per Bottle Ordered







Return

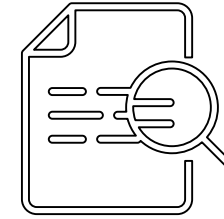
Dolla Dolla Bills Ya'll

Customer Behavior Billing Decisions ROI

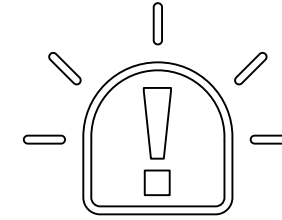
Splunk> I like big data and I cannot lie

► Customer Behavior Analytics

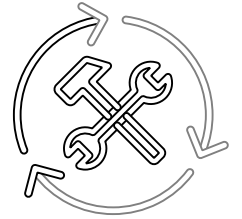
- **Correlate** viewing habits with billing data
- Detect **questionable** cancellations
- Implement **preventative** processes



Event
Correlation



Anomaly
Detection



Prevention

\$100,000
monthly savings

Steps to Success

Splunk> Looking for Trouble

Step 1

Start slow

Ask one question > ingest needed data > find insights

Step 2

Explore

Explore data to find new insights and answer new questions

Step 3

New data, new questions

Start asking new questions with other data. Bring in other departments

Step 4

Enrich data from external sources or other datasets

Slice data in new ways

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How Splunk Community Can Help

Splunk> Now with 50% more Fez

- ▶ Splunk Community = Customers, Partners, Splunkers, and You
- ▶ Resources
 - **Splunk Answers** - 81K questions asked with 106K answers, >18K active users
 - **Slack** – topic-specific Channels with >800 active users weekly
 - **User Groups** – 93 groups worldwide



Splunk Answers

Q&A Forum

answers.splunk.com



Slack Chat

Online, real-time
interaction

<http://splk.it/slack>



User Groups

Face-to-face interaction

usergroups.splunk.com



SplunkTrust

MVP Program

splk.it/splunktrust

Key Takeaways

Splunk>

The end of meh-trics



1. Splunk can be used in new ways to drive new forms of value
2. Splunk can be applied to many new use cases
3. Always ask questions and ask for help

Thank You

Don't forget to **rate this session**
in the **.conf18** mobile app

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splunk>

Learn More About Splunk For Business Analytics at .conf!

Breakout Session	Speaker	Day	Time
Idea to Reality — Transforming Business Activity Monitoring with Splunk	Freddie Mac	Tuesday	2:15PM
Unlock Value with Real-Time Customer Journey Tracking	Shelde	Tuesday	3:30PM
Combine Customer Feedback and Operational Analytics for Improved Customer Experience	Splunk	Tuesday	4:45PM
WHAT'S NEW for Splunk and Business Analytics	Splunk	Wednesday	11:30AM
Gaining Insights to Business and Operations by Using Splunk's Business Analytics Capabilities	Splunk	Wednesday	12:45PM
Demystifying the Data Scientist: A Case study From BankID Norway	BankID Norge AS	Wednesday	3:15PM
Small Business, Big Data: Adopting Splunk for Small Enterprises	ATB Financial	Thursday	12:15PM
Addressing Customer Issues With Splunk	Intuit	Thursday	12:15PM
Transforming IT from a Cost-Center to a Strategic Asset: Splunk in the City of Newberg	City of Newberg	Tuesday	4:00PM