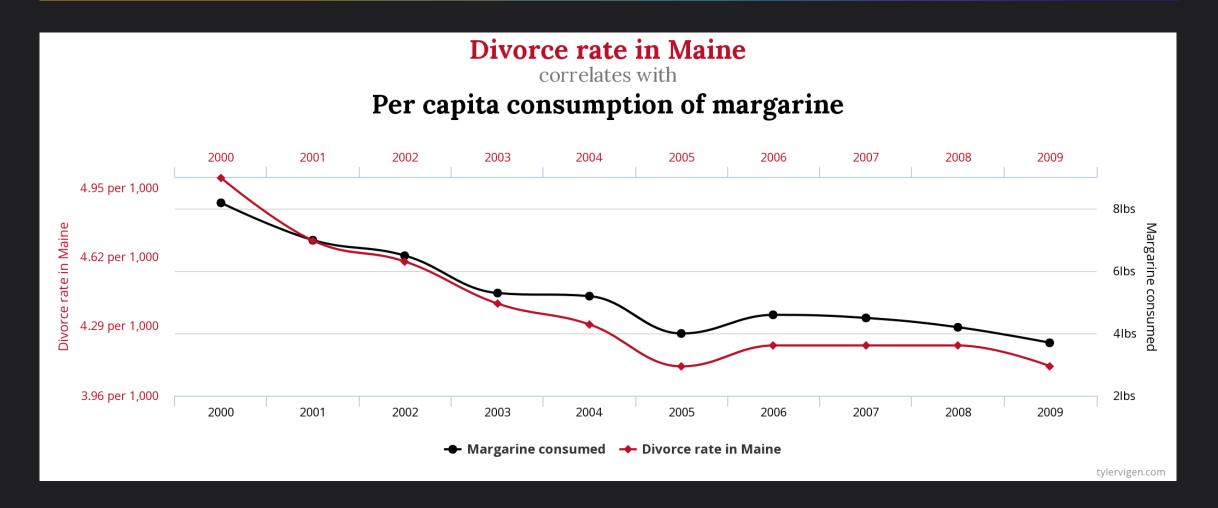
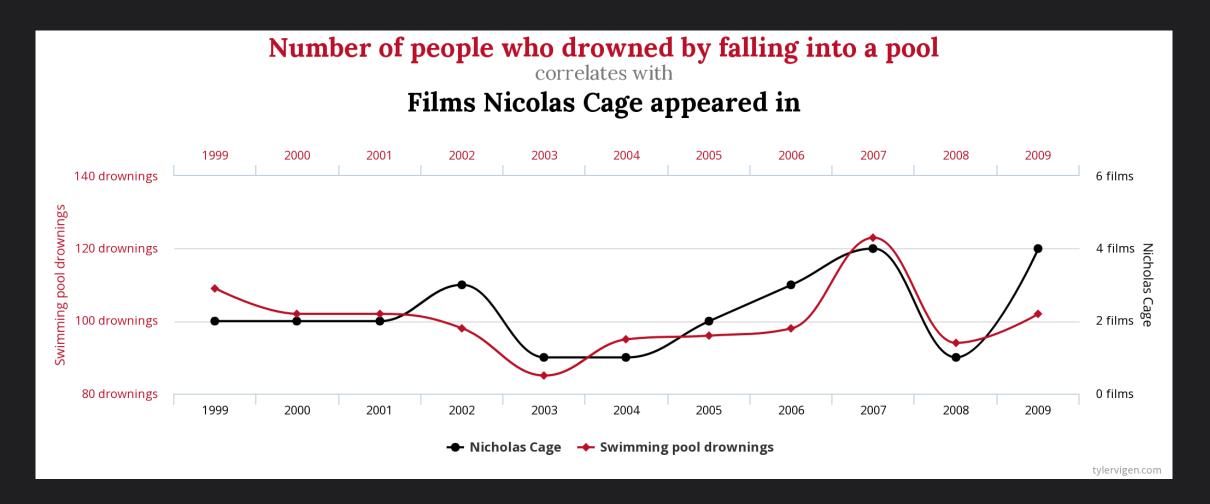
When Data Speaks, We Should Listen



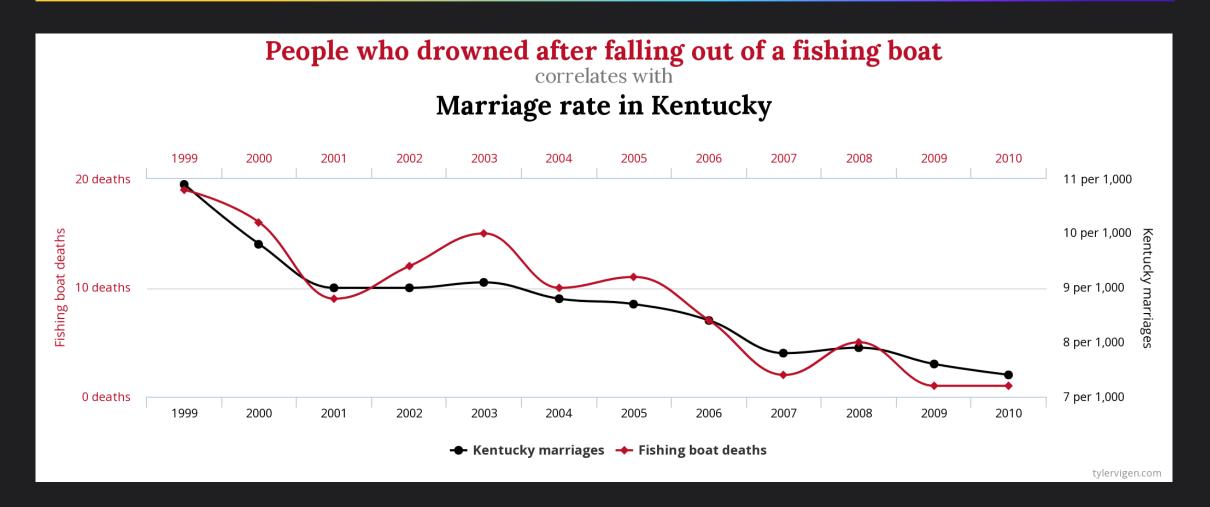


When Data Speaks, We Should Listen





When Data Speaks, We Should Listen





Understanding Data Analytics

Analytics is the process of... discovering, interpreting, and communicating significant patterns in data.

Analytics Helps Us See Insights & Meaningful Data That We Might Not Otherwise Detect



The Four Types of Data Analytics

Descriptive

WHAT HAPPENED?

Identifies the facts of what has already happened

Diagnostic

WHY DID IT HAPPEN?

Seeks to understand the reasoning behind certain results

Predictive

WHAT WILL HAPPEN?

Uses statistics and modelling techniques to make predictions about future outcomes based on historical data

Prescriptive

WHAT SHOULD BE DONE?

Identifies best course of action for a scenario based on the available data and alignment of organizational goals



The Four Types of Data Analytics

Descriptive

WHAT HAPPENED?

Identifies the facts of what has already happened

Diagnostic

WHY DID IT HAPPEN?

Seeks to understand the reasoning behind certain results

Predictive

WHAT WILL HAPPEN?

Uses statistics and modelling techniques to make predictions about future outcomes based on historical data

Prescriptive

WHAT SHOULD BE DONE?

Identifies best course of action for a scenario based on the available data and alignment of organizational goals



Building Your Analytic Foundation

Descriptive

Diagnostic

Predictive

Prescriptive



Building Your Analytic Foundation

Prescriptive

Can you guess where we can currently find the most value?

Predictive

Diagnostic

Descriptive

We start with Descriptive Analytics and advance up the chain slowly as we add value



Building Your Analytic Foundation

Right now, 80% of the value you will produce in applying analytics to your operation is still found in Descriptive and Diagnostic Analytics...

Prescriptive

Predictive

Diagnostic

Descriptive

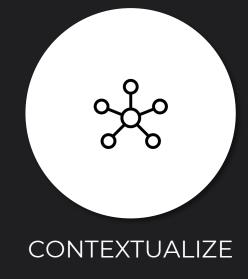


4 Steps To Building Your Analytics Foundation

Start by identifying a specific problem or pain point your people would like to solve... buy-in matters!







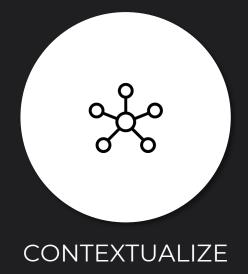




4 Steps To Building Your Analytics Foundation









Equipment SCADA Manual Data Other DBs

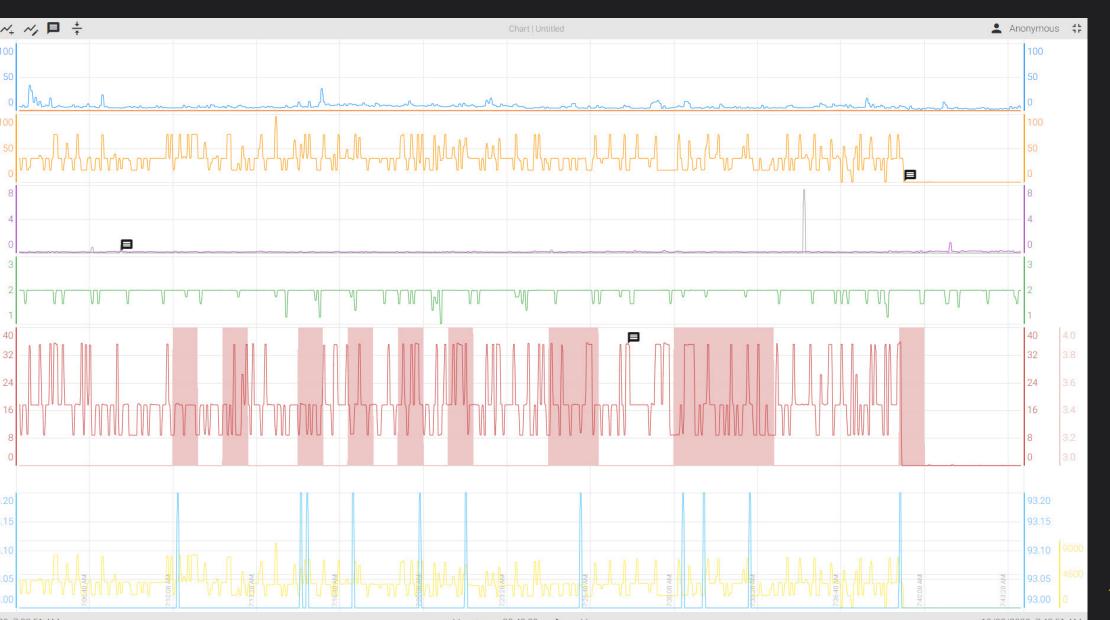
Open
Secure
Adaptable
Easy To Use

Standardization Assets Calculations Events

Trends
Dashboards
Reports
Other Apps

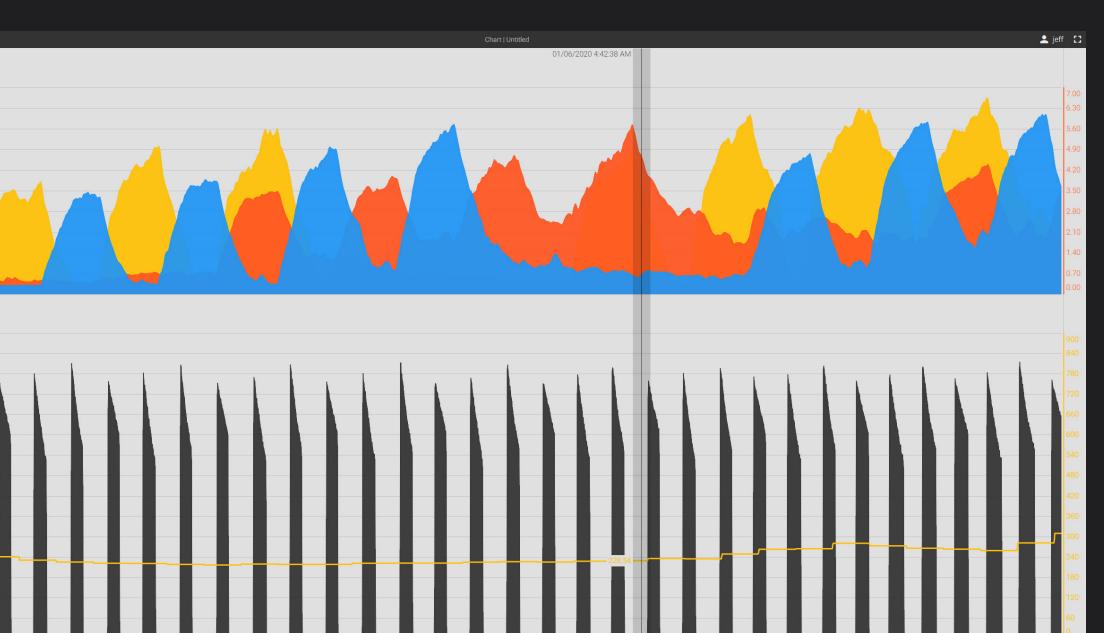


Better Data Access Matters



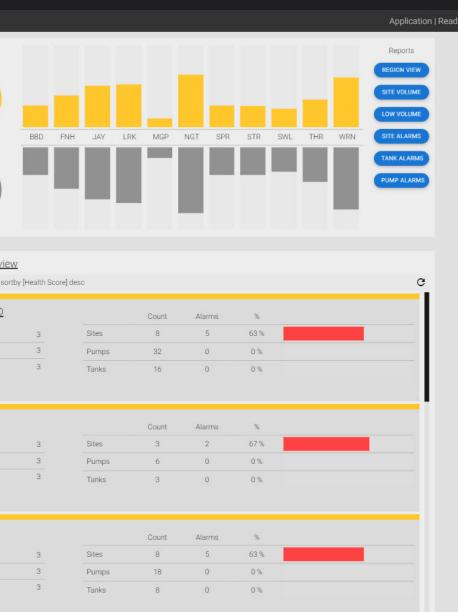


Better Data Access Matters





Better Data Access Matters



Site Alarms	
BLACKBIRD.SITE 1	
BLACKBIRD.SITE 2	
BLACKBIRD.SITE 4	
BLACKBIRD.SITE 5	
BLACKBIRD.SITE 6	
FINCH.SITE 1	
FINCH.SITE 3	
FINCH.SITE 5	
FINCH.SITE 6	
FINCH.SITE 8	50 of 50

Site Performance

Tank Alarms	
JAY.SITE 1.TANK A	
SWALLOW.SITE 3.TANK A	
	2 of

Pump Alarms	
JAY.SITE 12.PUMP B	
SWALLOW.SITE 1.PUMP A	
WREN.SITE 5.PUMP A	

Olic i ci ioninanoc	, , , , , , , , , , , , , , , , , , , ,		
sortby [Projected Volume]			G
STARLING SITE 6	43.6	41.70	70.8 %
THRUSH.SITE 7	51.0	19.65	69.8 %
WREN.SITE 6	51.2	19.26	11.5%
BLACKBIRD.SITE 6	53.6	20.27	29.7 %
LARK,SITE 16	55.0	41.29	56.0 %
THRUSH.SITE 8	55.2	85.04	206.3 %
WREN.SITE 2	55.4	18.16	97.1 %
SWALLOW.SITE 7	55.9	0.09	105.3 %
FINCH, SITE 3	56.5	14.78	61.5 %
JAY.SITE 2	56.6	60.52	127.1 %
WREN.SITE 9	57.4	69.14	54.9 %
WREN.SITE 13	58.7	59.27	121.5 %
BLACKBIRD.SITE 8	58.7	2.41	140.5 %
ARK SITE 9	59.1	81.08	84.1 %
FINCH.SITE 1	59.4	10.36	22.7 %
WREN.SITE 3	59.4	18.02	3.8 %
NIGHTINGALE.SITE 12	59.5	38.71	164.5 %
SPARROW.SITE 4	59.7	34.36	165.5 %
LARK.SITE 6	60.1	21.76	88.8 %
SWALLOW, SITE 3	60.3	91.13	68.6 %
JAY.SITE 9	60.3	60.71	125.5 %
FINCH.SITE 9	60.4	14.02	65.8 %
NIGHTINGALE.SITE 10	60.5	1.43	68.0 %
ARK.SITE 4	60.9	92.74	147.5 %
FINCH.SITE 11	61.1	51.60	193.1 %
NIGHTINGALE SITE 14	61.4	37.54	88.8 %
LARK.SITE 3	61.8	98.28	182.0 %
STARLING.SITE 1	61.9	3.26	78.0 %
JAY.SITE 8	62.0	69.57	59.2 ℃
SPARROW.SITE 2	62.2	69.11	40.8 %
LARK.SITE 5	62.5	22.80	140.2 %
NIGHTINGALE.SITE 13	62.6	19.21	100.7 % +
NIGHTINGALE.SITE 6	63.1	0.88	105.2 %



Anonymous ::

Today vs 14d

Happy To Help You On Your Analytic Journey

Jeff Knepper

Canary

jknepper@canarylabs.com

