# SCALING DATA SCIENCE & ANALYTICS

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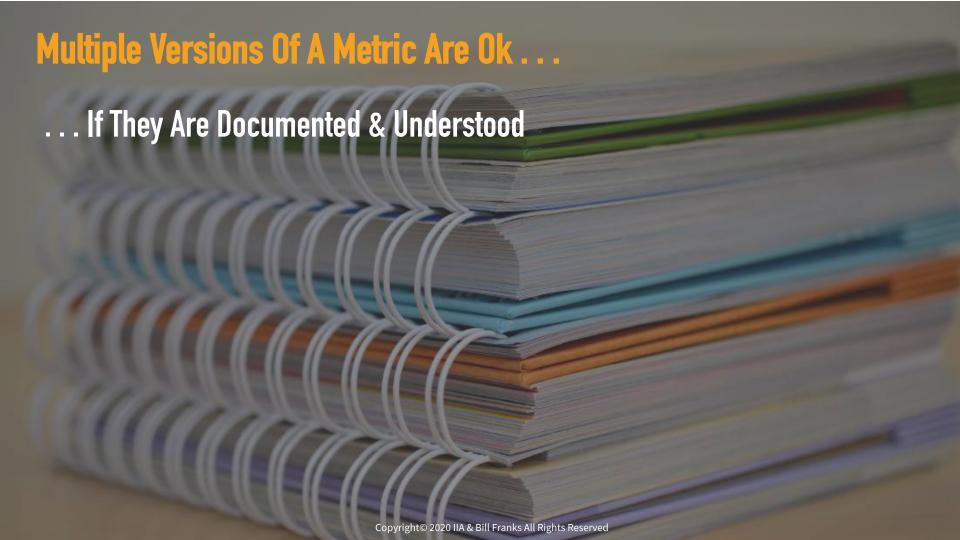






## The Problem Of Scaling Analytics Has Two Sides













# **Build Complexity In Phases**



# Add more complexity after the prior layers are fully deployed and stable

Truck Delivery Route Optimization Example:

3 - Optimize In Real Time

2 - Optimize Daily Route

1 - Optimize Truck Contents



## **Validate The Ability To Operationalize**



At enterprise scale, it is not possible to look at functionality alone ...







#### The Netflix Prize Was Won . . .



#### ... but the winning solution was never implemented!





Image source: Netfli

# Theoretical value is irrelevant in the absence of a way to pragmatically realize it!!!

# **Steps To Take Today**



- Make analytics part of every business initiative
- Focus on both proper creation and proper usage of analytics
- Don't mistake self-service for full self-sufficiency
- Remember that operationalizing builds on the basics
- Make sure to plan for operationalizing from the start

#### **Further Questions Or Comments?**

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97 Things About Ethics Everyone in Data Science Should Know











GLOBAL LEADER

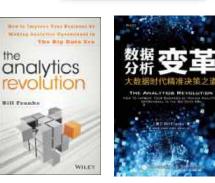


















### **Brand New Update!**

I just joined Kennesaw State University this past week as part of the Analytics & Data Science Institute



I will be heading the Center For Statistics And Analytical Research: <a href="https://datascience.kennesaw.edu/csar/index.php">https://datascience.kennesaw.edu/csar/index.php</a>

