

Lightning Speaker



Denise Flanagan

**Director, Federal Systems
Group**

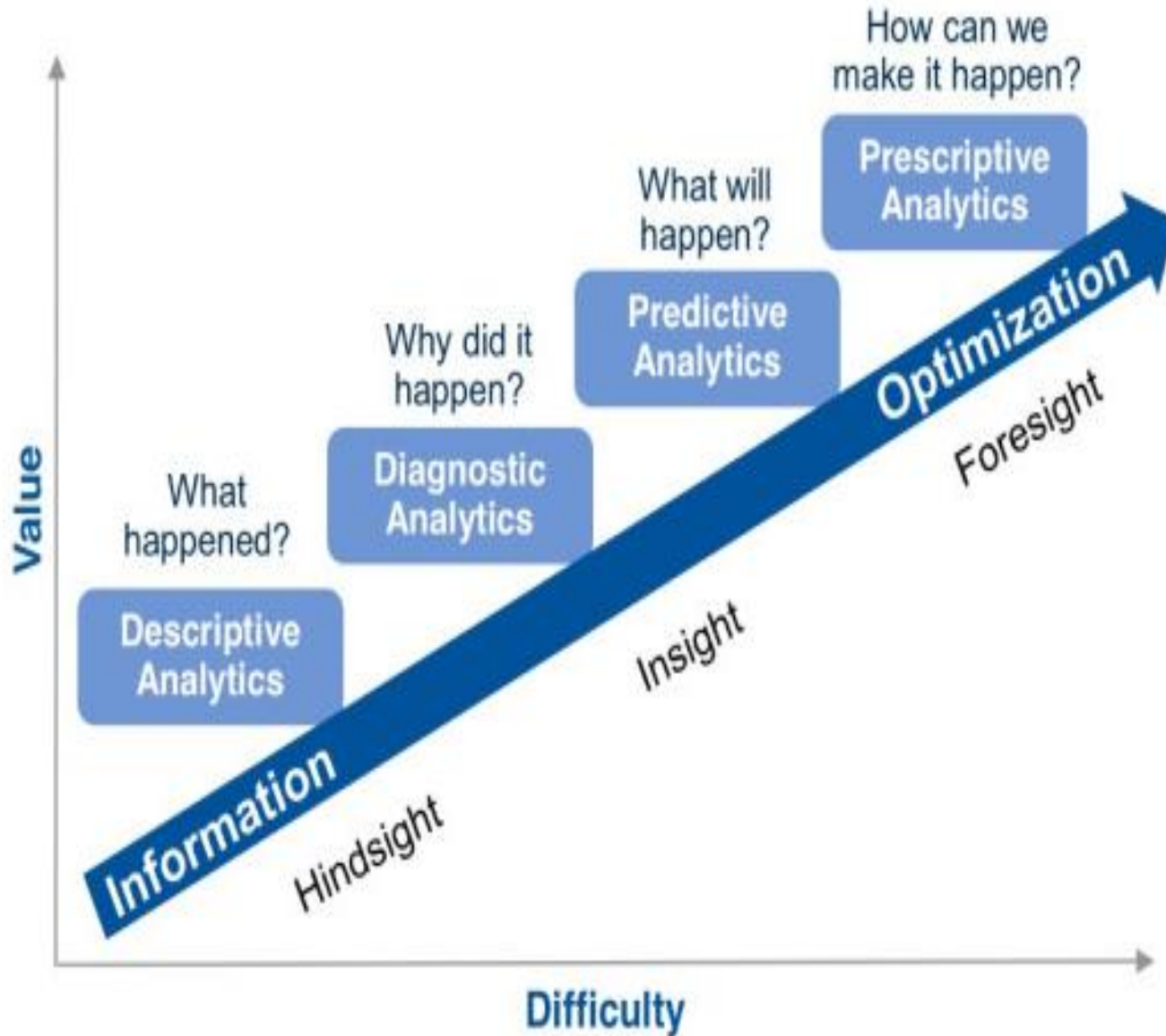
Information Builders



GovLoop

Government Data Analytics

Denise Flanagan
Director – Federal Systems Group



- Post mortem on what has happened
 - What did we do
 - How many
 - May measure performance against goals
- Used by all organizations
 - Reports
 - Dashboards
 - Scorecards
- New York City – Department of Health

Predictive Analytics

- What is likely
 - Scoring probability
 - Machine learning
- Gartner indicates only used in 13% of organizations
- Typically conducted by data scientist
 - Modeling
 - Statistics
- Maximum effect when results are delivered to operational works
- Federal debt collection

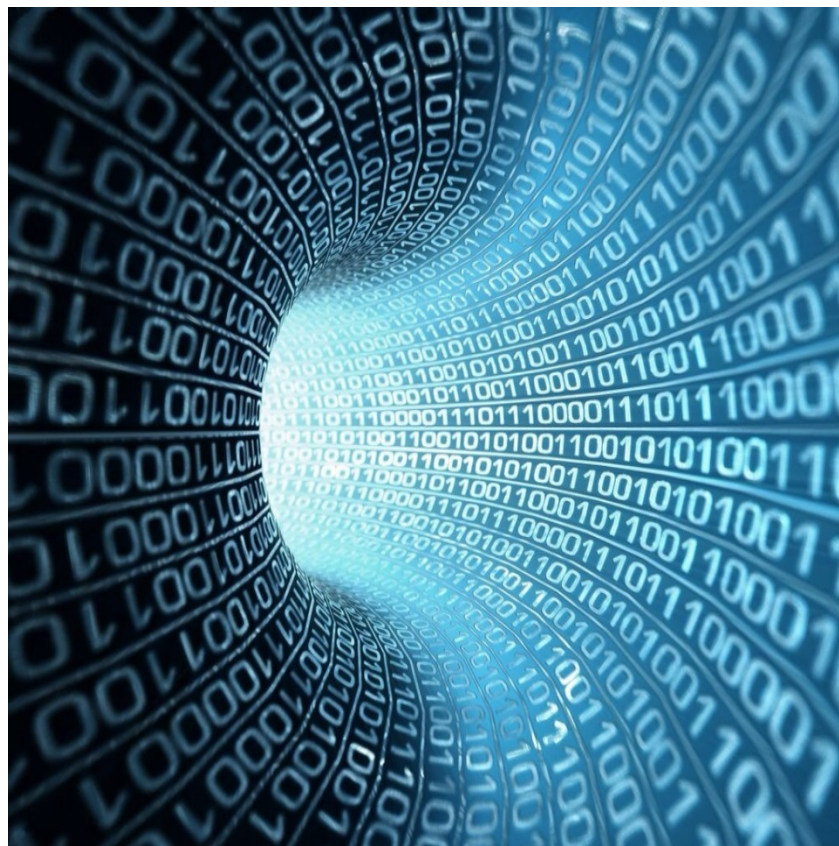


- What should we do
 - Data based suggestions
 - Correlation of predicted outcomes and best responses
- Used by less than 3% of organizations
- Data scientist, knowledge manager
- Raintree Oncology
 - Clinical data → optimum treatment pathway
 - Improving patient outcomes

Maximize Analytical Results

Data

- Infrastructure to support analytics
 - Credible
 - Consistent
 - Lineage
 - Traceable



Maximize Analytical Results

Deployment

- Analytics without action doesn't change organizational performance
- Deploy results to people who can impact change
 - NYC – Citizens
 - State of Louisiana – Department of Children & Family Services, Fraud and Recovery Unit
 - Financial organization – Internal debt collectors and outside collections agencies
 - Raintree Oncology – Physicians

Maximize Analytical Results

Usability

- Comfortable format
 - Inside an application
 - Interactive web site
 - Dashboard
 - In document analytics
 - Report
 - Spreadsheet
 - Tool for further analysis
- Flexible, familiar, in the flow



Questions/Comments