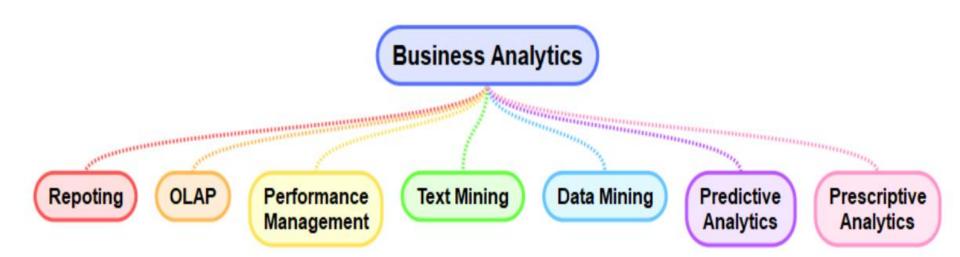
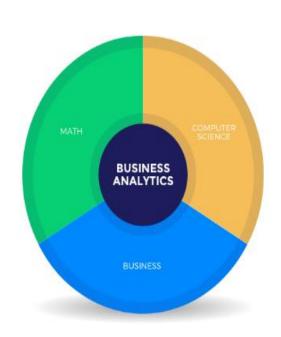
#### **Objective 1: Introduction to Business Analytics**

- What is Business Analytics is and how these techniques represent an opportunity.
- Understanding data and data distribution that exists in the world makes learning about statistics critically important.
- Understanding statistics is a way of thinking that can help you make better decisions
- How the DCOVA/CRISP framework for applying statistics can help you solve business problems







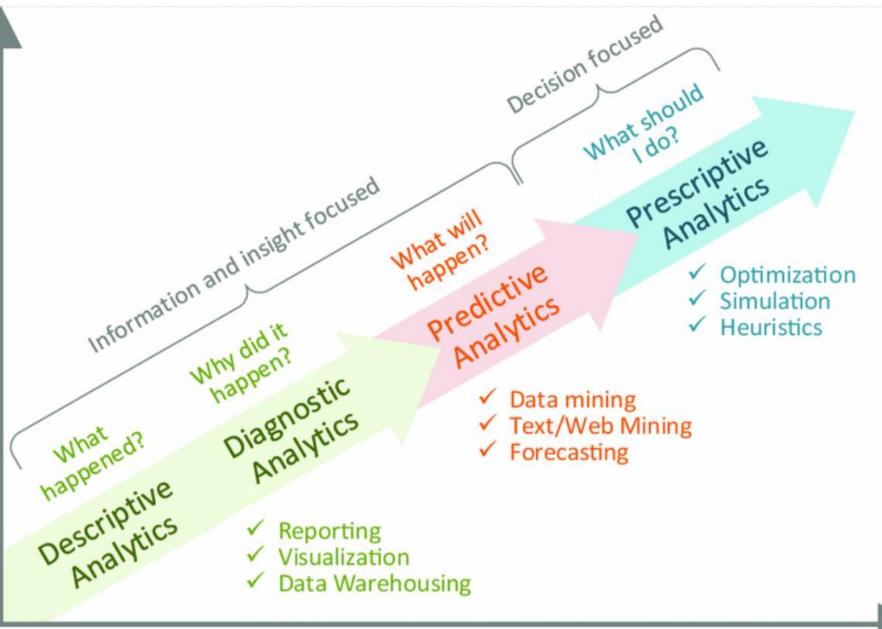
### WHAT IS A BUSINESS ANALYST?

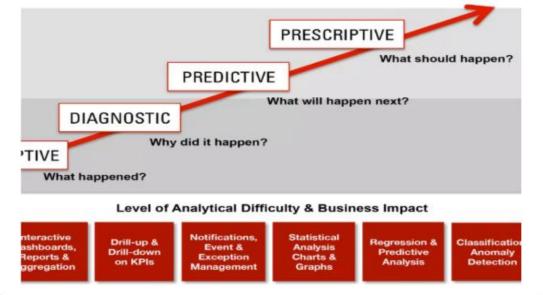
The BA articulates the underlying needs of the business and serves as the conduit through which project vision is communicated and delivered.

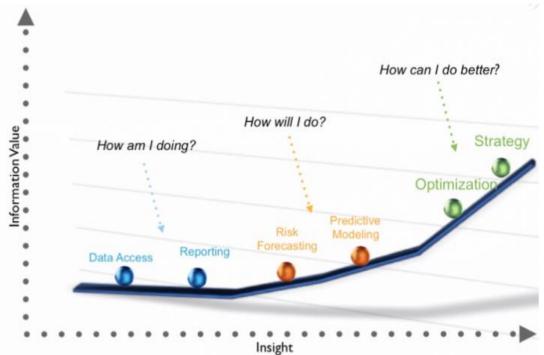


## How to execute Business Analysis?

Problem Definition	Data Study	Data Preparation	Analysis & Modeling	Evaluation	Reporting & Deployment
Determine problem objectives Assess situation Determine data mining goals	Collect data Explore data Verify data quality	Clean data  Construct data  Format data	Select analysis/ modeling technique Build model Generate analysis outcomes	Evaluate result Review process Determine what's next	Plan deployment Plan monitoring and maintenance Produce final report
Produce project plan					





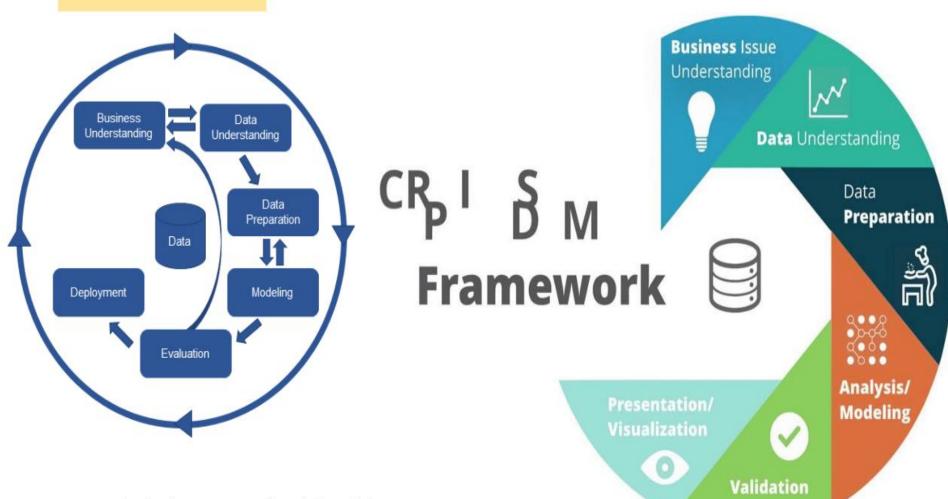


Predictive	749
Descriptive	719
Diagnostic	619
Behavioural	399
Prescriptive	319
Machine Learning / Artificial Intelligence	289

#### INSURANCE NEXUS: GLOBAL INSURANCE TREND MAP 2017

Levels	For Answering Questions like	
Standard Report	What happened? When did it happen?	
Ad Hoc Reports	How many? How often? Where?	
Query Drilldown/OLAP	Where exactly is the problem? How do I find the answers?	

#### CRISP



- cross-industry process for data mining.
- CRISP-DM methodology provides a structured approach to planning a data mining project.

## To Properly Apply Statistics You Should Follow A Framework To Minimize Possible Errors

In this course, we will use DCOVA

- Define the data you want to study in order to solve a problem or meet an objective
- Collect the data from appropriate sources
- Organize the data collected by developing tables
- Visualize the data by developing charts
- Analyze the data collected to reach conclusions and present results

# Using The DCOVA Framework Helps You To Apply Statistics To:

- Summarize & visualize business data
- Reach conclusions from those data
- Make reliable predictions about business activities
- Improve business processes

# Understanding **Formulating Data Collection** ..... **New Hypothesis** Testing through Experimentation

### **Example Applications**

**Credit Risk Analysis** 

Fraud detection Analysis

**Customer Behavior Analysis** 

**Marketing Analytics** 

Market Basket Analysis

Financial Data Analysis

**HR Analytics** 

Stock Market Analysis

Twitter Text Analytics & Mining