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Advanced Portfolio Analytics

Your Guide: Jerry Dolak, Josh Leone and Jen Scarlato

Introductions

- Take 5 Minutes

- Turn to a Person Near You

- Introduce Yourself

Agenda

- Introductions

- Getting Started - What Are Analytics?

- Portfolios And Analytics

- What The Tools Support

- Open Mic – Your Experiences

- Q&A

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Getting Started

Let's start with a bit of trivia!

According to the Harvard Business Review, what job is said to be the sexiest job of the 21st century?

The Data Scientist!

No, really, it was!
The Data Scientist is someone who is able to identify the analytics needed and how to apply them.

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Open Mic – Your Experiences

Do you have a Data Scientist? Or someone that acts like a data scientist?

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What Is Analytics?

Analytics refers to the ability to collect and use data to generate insights that inform fact-based decision-making.

- Descriptive – The summary of collected data points

- Predictive – Determine the probability of what will happen next based on patterns in past data

- Prescriptive – Provides recommendations on what to do based on specific situations

Descriptive

Predictive

Prescriptive

Analytics

Analytics

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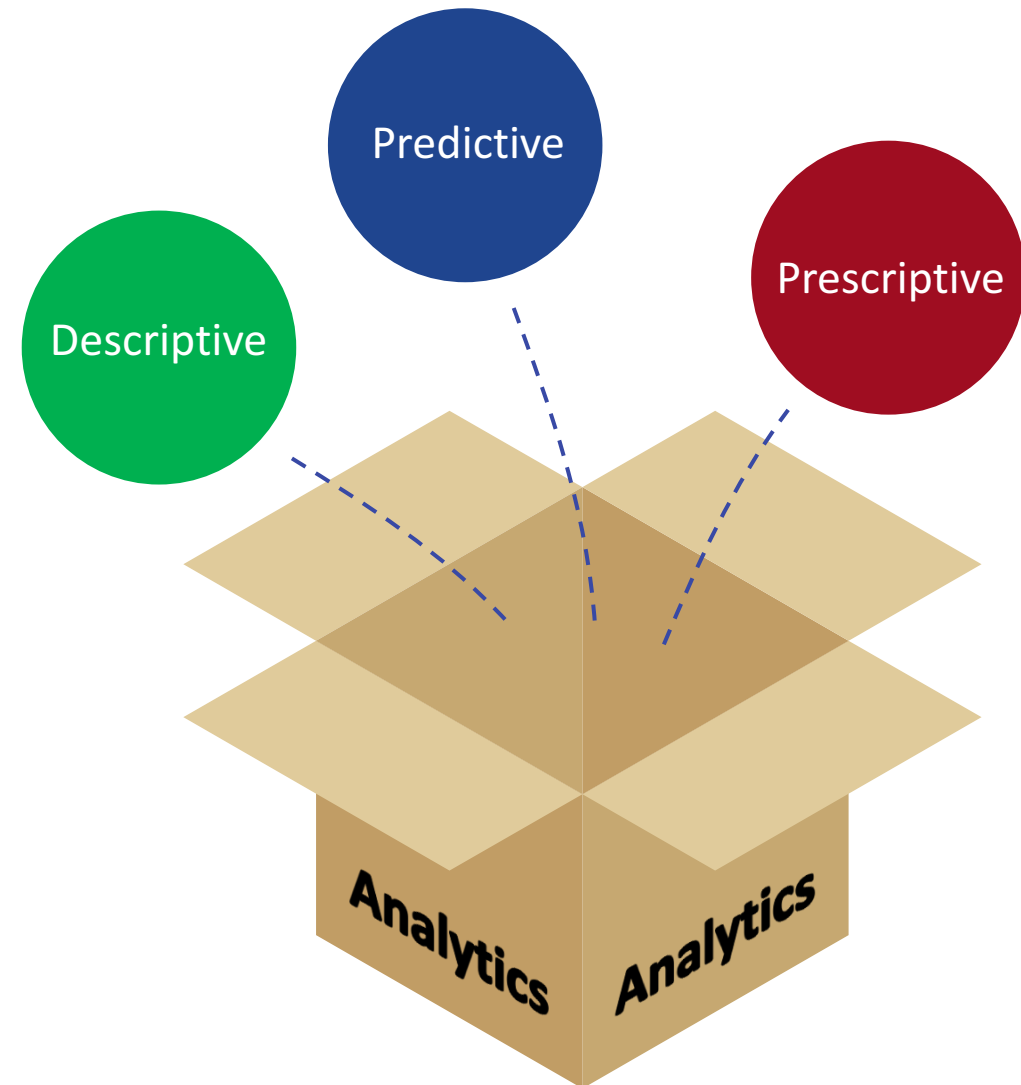
Portfolios and Descriptive Analytics

Descriptive – The summary of collected data points

What are some examples of Descriptive Analytics in Portfolios ?

- Total Planned Cost
- Total Budgeted Cost
- Total Demand
- Demand By Role
- Demand By Department

- Spend By Goal
- Variance of Targets vs. Panned
- Planned Benefits

Portfolios and Predictive Analytics

Predictive - Determine the probability of what will happen next based on patterns in past data

What are some examples of Predictive Analytics in Portfolios ?

- When will the portfolio run out of funds?

- When will the portfolio run out of resource capacity

Portfolios and Prescriptive Analytics

Prescriptive - Provides recommendations on what to do based on specific situations

What are some examples of Prescriptive Analytics in Portfolios ?

- What is the best schedule to maximize resources?

- What is the best schedule to maximize costs?

- How should I organize my portfolio to ensure we are working on the right things?

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Portfolio Tools

Some tools in the portfolio market place include:

- CA PPM

- Decision Lens

- Meisterplan

We will take the rest of the session to talk about what these tools deliver as they relate to portfolio analytics

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Open Mic – Your Experiences

Have any of you implemented one of these analytic tools in your organization?

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Tools and Descriptive Analytics

Descriptive – The summary of collected data points

- Descriptive Analytics are the table stakes of Portfolio Analytics, the minimum required to be in the portfolio game.

- CA PPM, Decision Lens and Meisterplan all deliver descriptive analytics

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Portfolios and Predictive Analytics

Predictive - Determine the probability of what will happen next based on patterns in past data

- Outcome Comparisons / What If Scenario Planning – See different portfolio plans side by side to see the impact of implementing one set of projects over another
  - CA PPM, Meisterplan, Decision Lens
- Funding by value, using rules to set prioritization
  - CA PPM, Decision Lens
    - Decision Lens utilizes **Pareto Analysis** (also known as the 80/20 rule)
    - CA PPM provides the ability to build rules based on prioritization

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Portfolios and Prescriptive Analytics

Prescriptive - Provides recommendations on what to do based on specific situations

- Automate the optimization of my portfolio based on resource balancing.
  - Decision Lens, Meisterplan
- Automate the optimization of my portfolio based on funding
  - Decision Lens
- Automate the prioritization of the investments in my portfolio based on priorities
  - Decision Lens, CA PPM

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Open Mic – Your Experiences

How have you implemented analytics in your organization? Experiences? Good or Bad?

How many of you plan to implement analytics within the next 12 months?

Questions?

?

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Let Rego be your guide.

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Phone
888.813.0444

Email
info@regouniversity.com

Website
www.regouniversity.com

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