Rapid Configuration of Guided Analytic Applications

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Agenda

1. Definition of Guided Analytic Applications
2. How does Spotfire support Guided Analytic Applications?
3. Practical Examples
4. Tips and tricks and Best Practices
5. Summary and Questions
Guided Analytics Applications Defined

- Application designed around and supported by Analytics
- The application guides the user through the analytics
- Immediately and intuitively leading the user to the information and insights they need
- Allowing the user to act upon findings in the analytics
- Providing advanced analytics and data science capabilities to all users at every level – The Citizen Data Scientist!
How Does Spotfire Support Guided Analytic Applications?

• Guided Analytics
  • Spotfire User Interface elements guide the user to the analytics
  • Buttons, links, scripts, etc., control the user’s interactions with the analytics and guide them to the analytics they need to see
  • Spotfire Analytics gives the insight into the data
  • Custom user interface elements allow user to act on the insights in the data

• Taking Action
  • Collaboration and conversations within Spotfire
  • Take action from the analytics using action scripts
  • Call web services
  • Write back data to a database
How Does Spotfire Support Guided Analytic Applications?

• Collaboration
  • Centrally managed library
  • Collaborate on Guided Analytic Reports, Templates and Statistical Data Functions
  • Spotfire 7.5 allows commenting and annotation of visualizations

• Data Science
  • Spotfire’s statistical engines allow data scientists to develop generic statistics that can be used in an analytic application
  • TIBCO Enterprise Runtime for R is used for statistical calculations
  • User may be entirely unaware that a statistical function is being used live in front of them
Practical Examples

- Guided Analytics Application walkthrough
- Data Science examples
- Database Writeback example
- Metadata-driven analysis example
- Web Mashup

See these (and more) in action at this booth:

- TIBCO Spotfire: The Swiss Army Knife of Analytics
Behind the Scenes

- IronPython
- TERR
- Spotfire Extensions
  - C# API – tools, calculations, data sources, data functions, export tools, data transformations
  - https://docs.tibco.com/pub/doc_remote/spotfire/7.5.0/doc/api/Index.aspx
- JavaScript Mashup API
- See these (and more) in action at this booth:
  - TIBCO Spotfire: The Swiss Army Knife of Analytics
Tips and Tricks and Best Practices

• IronPython
  • Some useful editing tips! (Demo)
  • Best practices
  • How to convert the Spotfire API into IronPython (Demo)

• Best Practices (Demo)

• Analyses vs. Analytics Applications

• TIBCO Community
Summary and Questions

• Application designed around and supported by Analytics
• Citizen Data Scientist
• Use suite of tools available in Spotfire to enable guided analytics

• Questions?