

## Tableau - Desktop

### Creating visual analytics with tableau desktop

- Overview
- The shortcomings of traditional information analysis
- The business case for visual analysis
- The tableau software ecosystem
- Introducing the tableau desktop workspace

### Connecting to your data

- Overview
- How to connect to your data
- What are generated values?
- Knowing when to use a direct connection or a data extract
- Joining database tables with tableau
- Blending different data sources in a single worksheet
- How to deal with data quality problems

### Building your first visualization

- Overview
- Fast and easy analysis via show me
- How show me works
- Trend lines and reference lines
- Sorting data in tableau
- Enhancing views with filters, sets, groups, and hierarchies

### Creating calculations to enhance your data

- Overview
- What is aggregation?
- What are calculated values and table calculations?
- Using the calculation dialog box to create calculated values
- Building formulas using table calculations
- Using table calculation functions
- Adding flexibility to calculations with parameters
- Using the function reference appendix

### Using maps to improve insight

- Overview
- Creating a standard map view
- Plotting your own locations on a map
- Replacing tableau's standard maps
- Using custom background images to plot spatial data
- Shaping data to enable point-to-point mapping
- Animating maps using the pages shelf or slider filters

## Developing an ad hoc analysis environment

- Overview
- Generating new data with forecasts
- Providing self-service ad hoc analysis with parameters
- Editing views in tableau server

## Tips, tricks, and timesavers

- Overview
- Saving time and improving formatting
- Improving appearance to convey meaning more precisely
- Customizing shapes, colors, fonts, and images
- Advanced chart types

## Bringing it all together with dashboards

- Overview
- How dashboard facilitates analysis and understanding
- How tableau improves the dashboard building process
- The wrong way to build a dashboard
- The right way to build a dashboard
- Best practices for dashboard building
- Building your first advanced dashboard
- Sharing your dashboard with tableau reader
- Sharing dashboards with tableau online or tableau server
- Designing for mobile consumption
- Using the tableau performance recorder to improve load speed

## Tableau Server

### Installing tableau server

- Overview
- The reasons to deploy tableau server
- Licensing options for tableau server and tableau online
- Determining your hardware and software needs
- Configuring tableau server for the first time
- When and how to deploy server on multiple physical machines
- Deploying tableau server in high availability environments
- Leverage existing security with trusted authentication
- Deploying tableau server in multi-national entities
- Using performance recorder to improve performance
- Managing tableau server in the cloud
- Monitoring activity on tableau server

## Using tableau server to facilitate fact-based team collaboration

- Overview
- Publishing dashboards in tableau server
- Organizing reports for consumption
- Options for securing reports
- Consuming information in tableau server
- Authoring and editing reports via server
- Sharing connections, data models, and data extracts
- Embedding tableau reports securely on the web
- Using subscriptions to deliver reports via e-mail

## Automating server with tableau's command line tools

- Overview
- What do tabcmd and tabadmin do?
- Installing the command line tools
- What kinds of tasks can be done with tabcmd?
- Learning to leverage tabcmd
- Common use cases for tabcmd
- Using tabadmin for administrative task automation

## Case studies

### Use cases for rapid-fire visual analytics

- Overview
- Rapid-fire analysis at a public utility
- Aggregating disparate data sources at a large university
- Analysis in a major railway logistics team
- Quality metrics in a hospital
- Planning for a successful tableau deployment at act
- Employing visual analytics to aid succession planning

## Appendices

### Appendix A - Understanding and using tableau functions

- organization and key for appendix a
- Alphabetical function list—summary

### Appendix B - Tableau data shaper excel plug-in

- Why is reshaping desirable?
- Using the resaper
- Installing the resaper

### Appendix C - Interworks book website

- Sample workbooks
- Video training files
- Feature updates on new tableau releases
- Useful web resources
- Recommended reading.