STRINGFEST

ANALYTICS

Tableau: Half-day workshop

Lesson 1: Tableau & self-service BI

Lesson 2: Importing & preparing data

Lesson 3: Building visualizations

Lesson 4: Aggregations and calculated fields

Lesson 5: Getting started with dashboards

Learning Objectives

- Student can idenfity the Tableau stack of tools and their role in the data analytics workflow
- Student can read, clean and merge data from tabular datasets
- Student can use information design principles to build basic visualizations
- Student can create calculated fields, parameters and table calculations
- Student can use information design principles to build basic dashboards

Lesson 1: Tableau & self-service BI
Objective: Student can identify the Tableau stack of tools and their role in the data analytics workflow
Description:
- What is Tableau and when would I use it?
- The Tableau suite of tools
- What Tableau can do for you

Exercises: Explore Tableau Public
Assets needed: None
Time: 25 minutes

Lesson 2: Importing & preparing data
Objective: Student can read, clean and merge data from tabular datasets
Description:
- Sorting and filtering
- Changing data types
- Blending data sources
- Cleaning data with Data Interpreter

Exercises: Drills
Assets needed: Baseball records
Time: 35 minutes
Exercises: Drills
Assets needed: Retail orders dataset
Time: 40 minutes

Lesson 3: Building visualizations
Objective: Student can use information design principles to build visualizations
Description:
- The art & science of dataviz
- Tableaucabulary
- Starting with Show Me
- Building vizzes in Tableau
- Saving and sharing workbooks

Exercises: Building & sharing workbooks
Assets needed: Baseball records
Time: 50 minutes

Lesson 4: Aggregations and calculated fields
Objective: Student can create calculated fields, parameters and table calculations
Description:
- Calculated fields
- Table calculations
- Sets
- Parameters

Exercises: Drills
Assets needed: Baseball records
Time: 50 minutes

Lesson 5: Getting started with dashboards
Objective: Student can use information design principles to build basic dashboards
Description:
- What is a dashboard?
- Different types of dashboards
- Creating a dashboard in Tableau
- Modifying a dashboard in Tableau

Exercises: Practice building a dashboard
Assets needed: Baseball records
Time: 50 minutes

Lesson plan developed by George Mount, For more resources like this, visit stringfestanalytics.com