

Alteryx Core Concepts

Course Summary

Description

This introductory course is designed for students who are new to Alteryx and beginning their data analytics journey. The virtual classroom environment provides a hands-on experience in building Alteryx workflows using easy to follow step-by-step instructions, along with provided datasets. Upon completion of the course, students will be familiar with all the most frequently used tools in the Favorites Toolbar!

Topics

- Intro to Alteryx
- Input Data
- Data Prep
- Data Blending
- Data Parsing (basic)
- Data Output
- Workflow documentation
- Achieve Goals

Audience

This course is designed for beginner users with 0 to 3 months of experience with Alteryx.

Prerequisites

There are no prerequisites for this course.

Duration

Two days

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Course Outline

- I. Intro to Alteryx*
 - A. Explore the Alteryx Designer Interface
 - B. Navigate the Designer User and Workflow Settings
 - C. Learn the Alteryx Designer terminology
 - D. Use Browse Anywhere to view data throughout the workflow
- II. Input Data*
 - A. Connect to multiple data sources
 - B. Modify data inputs
 - C. Input Excel, .csv and more file formats
 - D. Manually input Excel sheets, data ranges and list of sheet names
 - E. Dynamically input Excel sheets
 - F. Use wildcards to input numerous .csv and text files
- III. Data Prep*
 - A. Learn about field data types and how to optimize them
 - B. Select, change data types and size, and rename fields
 - C. Remove fields from the data stream
 - D. Add a Record ID
 - E. Sort data and learn about Dictionary order
 - F. Sample data: Find the top records, skip records, random samples
 - G. Filter records based on criteria
 - H. Formula tool expressions
- IV. Data Blending*
 - A. Transpose and Cross-Tab tools to pivot data
 - B. Summarize, Group, calculate Average and more
 - C. Join data on a shared key field
 - D. Union data from numerous inputs
- V. Data Parsing (basic)*
 - A. Parse data into separate fields based on delimiters
 - B. Understand and convert date and time Formats
- VI. Data Output*
 - A. Output data to Excel, .csv and other file formats
 - B. Generate multiple Excel spreadsheets within a single Excel file
 - C. Create attractive reports with charts and tables
 - D. Share workflows with other Alteryx Designer Users
- VII. Workflow documentation*
 - A. Insert documentation and custom notes when sharing workflows
 - B. Utilize tool containers to enable or disable
 - C. portions of workflows
- VIII. Achieve Goals*
 - A. Utilize every tool in the Favorite Tools toolset
 - B. Advance to Intermediate Alteryx User Level