

Alteryx Designer – Core Concepts and Advanced Training

Course Summary

Description

This course teaches students the building blocks required to complete more complex analytical tasks with Alteryx Designer. Students will gain a thorough understanding of important concepts that will enable them to prepare, parse, blend, transform and analyze data from disparate sources and output their results. The students will also learn the skills they need to easily and quickly cut down their development time, along with topics such as data connections, macros, analytical apps, and optimizing workflows. They will learn how to manipulate data structures and learn the best practices within Alteryx along with variety of ways to parse data, understand the difference between the 3 main macro types, and how to configure macros.

Topics

- Core Concepts
- Advanced Concepts

Audience

This class is for beginner to intermediate level Alteryx Designer users and is appropriate for anyone working with data regardless of their analytical background.

Prerequisites

Before taking this course, you should have created an Alteryx Analytics Gallery account.

Duration

One day

Alteryx Designer – Core Concepts and Advanced Training

Course Outline

I. Core Concepts

- A. Understand Alteryx Designer terminology
- B. Easily navigate the Alteryx Designer Interface
- C. Become familiar with Designer User and Workflow Settings
- D. Be able to share and save workflows
- E. Understand how Designer processes data
- F. Connect to and update data sources:
 - 1. Files and databases
 - 2. Dynamically load Excel Spreadsheets
 - 3. Bulk load text-based files such as CSV
 - 4. Write back to the original data source
- G. Order and sample records
- H. Rename fields manually and dynamically
- I. Detect and change field data types manually and automatically
- J. Filter records and use conditional expression to update/add fields
- K. Blend data from disparate sources:
 - 1. Append records from different sources
 - 2. Merge records from different sources on key fields
 - 3. Add fields from one data set to all records in another
- L. Pivot data
- M. Group and Bin Records
- N. Aggregate data
- O. Build expressions to add and update fields, by performing basic calculations
 - 1. Replacing text within a field
 - 2. Using string length and positions
 - 3. Parse data from one field into multiple fields
- P. Work with date/time fields
- Q. Output data to different file formats

II. Advanced Concepts

- A. Introduction
- B. Advanced Importing Methods
- C. Parsing
- D. Structural Data Transformations
- E. Repeatable Processes and Macros
- F. Analytical Applications
- G. Best Practices
- H. Manipulate data structures