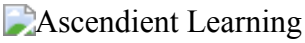

Introduction to Alteryx

Course Number: ALX-100 Duration: 2 days

Course Description

This Introduction to Alteryx training course teaches attendees how to use Alteryx Designer to prepare, blend, parse, pivot, analyze, shape, and transform their data.

Skills Gained

- Work with the Alteryx Designer interface
- Connect to and update data sources
- Clean and order records
- Rename and change the data type of fields
- Filter records
- Blend data from disparate sources
- Parse, manipulate, and pivot data
- Aggregate data
- Master workflow best practices and cache portions of workflows
- Output data to multiple formats
- Perform advanced preparation on their data

Prerequisites

No prior experience is presumed.

Training Materials

All Alteryx students receive comprehensive courseware.

Software Requirements

Alteryx Designer and datasets that Ascendient Learning provides (at additional cost, labs can be tailored in advance to use your data).

Course Details

Outline

- Introduction
- Understand Alteryx Designer terminology
- Easily navigate the Alteryx Designer Interface
- Become familiar with Designer User and Workflow Settings

- Be able to share and save workflows
- Understand how Designer processes data
- Connect to and update data sources
    - Files and databases
    - Dynamically load Excel Spreadsheets
    - Bulk load text-based files such as CSV
    - Write back to the original data source
- Clean unwanted characters in records
- Order records
- Rename fields manually and dynamically
- Detect and change field data types manually and automatically
- Filter records and use a conditional expression to update/add fields
- Identify unique records
- Blend data from disparate sources
    - Append records from different sources
    - Merge records from different sources on key fields
    - Add fields from one data set to all records in another
- Parse data
- Work with date/time fields
- Build expressions to add and update fields by performing basic calculations
- Replacing text within a field
- Using string length and positions
- Parse data from one field into multiple fields
- Pivot data
- Group and Bin Records
- Aggregate data
- Workflow best practices
- Cache a portion of your workflow
- Output data to different file formats
- Advanced Preparation
    - Filtering and cleaning "messy data"
    - Utilizing formulas to reference multiple rows and fields
    - Binning data into respective groups
    - Creating sample sets to prepare data for predictive analytics
- Conclusion