

## Alteryx Designer

### **Introduction:**

From this section, you will get an overview of the Alteryx course. And also, you will learn the following fundamental concepts.

- Understanding Alteryx Designer.
- Alteryx designer Interface.
- User and Workflow settings.

### **Alteryx Designer:**

In the Alteryx designer section, you will learn how to provide a single platform that lets you rapidly process large volumes of data without writing any code. Also, you will learn how to leverage multiple tools to pull together all the relevant data you need for your analytics.

- Tool Palettes
- Configuration
- Favorite Palettes
- Workflow Canvas

### **Restructuring the data/Data Processing:**

In this session, you will learn how to extract, filter, transform, group, cleanse, and join the data across various sources using Alteryx Designer.

- Split data, skip records, use a record as field headings.
- pivot and unpivot data and trim and split fields.
- Input Data
- Dynamic Rename
- Text to columns
- Transpose

### **Join Data from Different Sources:**

In this section, you will learn how to join two tables from the same database, and you will view the output in the form of pivot tables in the excel sheet using the following features.

- Filter
- Summarize
- Browse
- Union
- Join Multiple
- Input Data
- Formula
- Join
- Output Data
- Generate Row

### **Join and Data Blend:**

In this chapter, you will get an overview of Alteryx tools like sample, filter, select, sort, and more.

- Input data
- Unique
- Select
- Union
- Formula
- Browse
- Fuzzy Match
- Join
- Filter
- Auto Field

### **Handling Data:**

In this section, you will learn how to handle the appended, missing, and skipped data in the Alteryx tool.

- Impute Values
- Data Cleansing
- Formula
- Append Field
- Random Sample
- Unique
- Running tool

### **Parse Data with Regex:**

In this section, you will learn the uses of Regex tools in Alteryx, such as matching, parsing, tokenizing, and replacing.

- Regex tool

### **Database Connections:**

In this session, you'll learn how to enable the blending and analysis against large sets of data without moving the data out of a database. Also, you'll gain knowledge on traditional approaches that require data to be moved out of the database into a separate environment for processing.

- Join In-DB
- Data Stream In
- Data Stream Out
- Select In-DB
- Connect In-DB
- Filter In-DB
- Formula In-DB
- Summarize In-DB

### **Analytical App:**

In this chapter, you will learn how to create an Alteryx analytic application so that end-users can run a workflow published to the Alteryx Gallery without Alteryx Designer.

- List Box
- Numeric UpDown
- Check Box
- Control Parameter
- Action
- Image
- File Browse
- Radio Button

### **Macros:**

In this session, you' ll learn how to create a macro that will run through every record and then loop the records back through the workflow.

- Create standard macro
- Batch macro
- Macro Input
- Macro Output
- Dynamic Rename
- Dynamic Input
- Control Parameter
- Action

### **Create Static Reporting:**

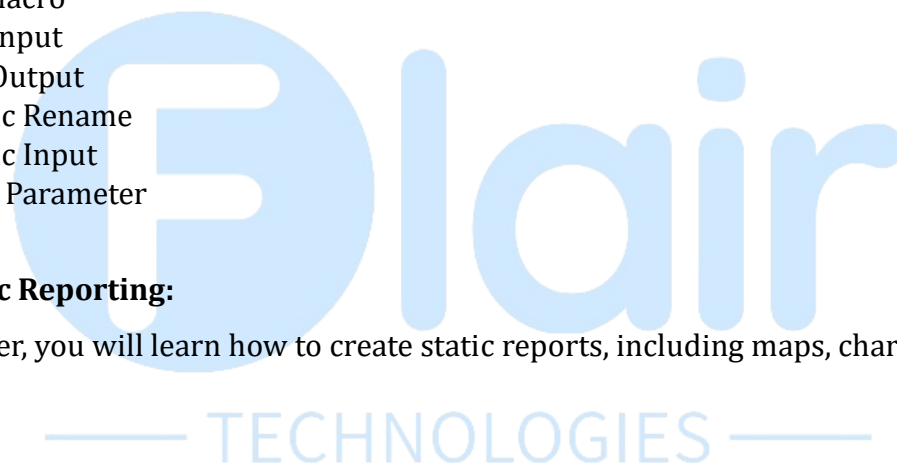
In this chapter, you will learn how to create static reports, including maps, charts and texts.

- Table
- Charts
- Layout
- Datetime Now
- Email
- Sort
- Render
- resort map
- ReportText
- Image

### **Spatial Analysis:**

In this session, you will learn how to make business decisions using geospatial data and analyze the data to optimize the transportation and logistics, sales territories, or coverage area to deliver powerful results.

- Create Points
- Spatial Match
- Find Nearest
- trade area
- Distance
- special info



### **Alteryx Gallery:**

In this session, you will learn how to work with the Alteryx Gallery.

- Publish workflows to Alteryx Gallery from Designer
- Make workflows public
- Update or replace the workflows
- Create collections
- Share workflows and collections
- Run workflows / apps from the gallery

### **Schedule Workflows on Gallery:**

In this session, you will learn how to schedule workflows on Gallery.

- Understanding the scheduler on gallery
- Configure the workflows schedules and maintain the workflows
- Change the frequency of workflow schedules

### **Error Handling and optimisation:**

In this session, you will understand how to handle the issues and optimising the workflows for better performance.

- Understanding the runtime Logs
- Understanding the Performance profiling

### **Case study and Challenges:**

### **Alteryx Designer Core Certification:**