COURSE OUTLINE
Program Name: *Alteryx - Intermediate to Advanced*
Software App: *Alteryx*
Duration: *8.0 hrs. (10 AM - 6 PM)*
Target Learners:
- Learners who have undergone 'Alteryx for Beginner to Intermediate' in the last 30-45 days, OR
- Learners who have used Alteryx in LIVE client projects
- This program is NOT for first time users or who have not done any hands-on practice on Alteryx before
Program Objective:
By the end of this session, you will be able to:
1. Brush up concepts of Alteryx - Beginner to Intermediate
2. Learn to apply advanced concepts such as Regex, Macros & Analytical App
Important Note:
This is a hands-on practice based workshop. Learners are expected to complete the program pre-requisites before
the start of the program.
Program Pre-requisite:
1. Attend thefull day Alteryx Beginner to Intermediate workshop
2. Complete the 90-mins free course
3. Ensure Alteryx is activated for use i.e. You can drag and drop tools in the canvas (workflow area).
4. Download the datasets and case studies from the link provided in the 'Joining Instructions' email

1	**RECAP of "Beginner to Intermediate Session" in 1 hr with 1-2 case study**
2	**PARSE - REGEX (Advanced)**
	Regular expressions are also referred as RegEx
	RegEx are matching patterns with the versatile ability to extract useful pieces of information from strings
	Replace, Tokenize, Parse, or match data using regular expressions
	"Steroid" version of Excel's functions such as LEFT, RIGHT, MID, SEARCH, LEN, ISNUMBER, Wildcard characters
3	**Other Essential Tools**
	PREPARATION - GENERATE ROWS
	Create a sequence of numbers, transactions, or dates
	JOIN - FIND & REPLACE
	Basic use case: Similar to Excel's VLOOKUP
	Advanced use case: Intelligent version of Excel's SUBSTITUTE() function
	Used to Standardize common misspellings, abbreviations
	Used to Replace placeholder values with actual values

4	INTERFACE - BATCH MACRO
	Importance of Control Parameter Tool
	Types: Batch (vs. Standard vs. Iterative)
	Iterative Macros
	looping the records back through the workflow
	For Loop
	Iteration Input: From the dropdown, select the Input Data tool in the workflow that contains the records to use for the iterative process.
	Iteration Output: From the dropdown, select the Output Data tool in the workflow that contains the records that will loop back through the iterative process.
	Maximum Number of Iterations: All processes must end at some point; otherwise, they could loop indefinitely. Specify the number of iterations here.
	When Maximum Number of Iterations is Hit: Choose the preferred behavior. These are your choices
	Error: Workflow will error and stop processing.
	Warn: Issue a warning message and output any leftover records.
	Output left over records: Output all records.
	Output Mode: Records are unioned on output, choose the preferred behavior for outputting these records as some may have a different table schema. These are your choices:
	All iterations will have the same output schema (error if different): If the schema is the same other than field names, it will warn the user but continue to output. It is only an error if the field types or sizes change—or the number of fields.
	Auto Configure by Name (Wait until all iterations run)
	Auto Configure by Position (Wait until all iterations run)
5	ANALYTICAL APPS
	Execute a workflow of your own data and parameters, without having to build the workflow. Save an app as a .yxwz file to be run in Designer, or uploaded and run in the Public Alteryx Analytics Gallery or a Private Gallery.
	A platform with a flexible graphical user interface (GUI) allows users to create analytic apps that output the data they want in the format they want.
	End