alteryx

Which one of the following statements about the unique tool are not true?
- You can select up to 10 columns in one unique tool.
- It's best to practice to join the results from the U & D outputs

The unique tool is case sensitive and will display the last value from the dataset in the U output when duplicate values are found.

False, the unique toll processes data from top down

Choose all of the following processes that can be used with the select tool
- Rename columns
- Remove columns
- Change column Size
- Change a data type

The ability to reorder and rename columns, as well as change a column's data type, exists only in the select tool

False

The Filter tool includes two output anchors

True

The Sort Tool can only sort one column of data

False

Select all the ways in which a tool can be added to the Canvas
- Right click on the Canvas and Insert a tool from a list of tool categories
- Drag a tool from the tool palette onto the canvas
- Drag a tool from the search results onto the canvas
- Double clicking a tool in the tool palette

Select all of the values that are included in a data stream's metadata in designer

Type, size, source, name

A column's datatype can change in the course of a workflow

True

The Input data tool can only connect to files

False

Which of the following are present in the configuration options for Alteryx Databases, Excel and CSV's

Record Limit, Output File name as field

Which of the following file types support reading in multiple sheets?

.xlsx

What happens when designer fails to read in a sheet?

A warning message appears

The dynamic input tool is the only tool required to import multiple sheets at once?

False

Any value entered into the text input tool is characterized as a string data type
False
Cells that are left blank in the text input tool are assigned what value?
Null
How can data be added to a workflow with the text input tool?
- Manually enter values in cells
- Input data from a file or database
- Copy and paste values from another source
Select all the ways in which a browse tool can be added to the Canvas
- CTRL + shift + B
- Drag a browse tool on the canvas from the tool palette
- Right click a tool on the canvas and select " Add browse after"
All of the following sampling methods are available in the sample tool
- 1 of every N rows
- First N%
Skip 1st N
- First N
- Last N
- (not every row)
"1 in N chance include each row" means the resulting number of records will be equivalent to 1/N of the records in the original dataset
False
Where will the outputdata.yxdb file be saved?
In the same folder the workflow is saved
When configuring the transpose tool, you can select multiple data fields but only one key field
False
In the input data tool, what is the symbol for "no delimiter"
\0
When saving the column configuration of the select tool, the column name, type, size, and order are saved in the resulting .yxft file
true
The data cleansing tool can be used to:
- replace null values
- remove unwanted characters
-capitalize the first letter of all words in a string
true
Using the formula tool it is possible to update an existing column using an expression
true
Match the file extension with the Alteryx file type

Alteryx Workflow (yxft)
Alteryx Analytic App (yxwz)
Alteryx Macro (yxdb)
Alteryx Field Types (yxmd)
Alteryx Database (yxzp)
Alteryx Packaged Workflow (yxmc)
A data value in the results window is not completely visible after running a workflow.
What can be done to see more of the data?
- Cell viewer
- Expand the width of the column
There is a column in a dataset with the data type "Date". What info about that column is available in the profile info of the configuration window in the browse tool?
- The number of unique dates
- The oldest date
- The number of null records
- The most frequent date
How can you add a browse tool?
- right click --> add browse
- CTRL + Shift + B
What happens if the "disable all browse tools" checkbox is selected in the workflow-configuration menu?
The browse tools are grayed out and no data flows to the browse tool
Data quality in a column of the Browse tool
- OK (green)
- Empty (Gray)
- Null (yellow)
- Not okay (red)
Some string data types have a "W" in their name. What does the "W" signify about the data type?
The string field will accept any Unicode characters
Which of the following functions can the datetime tool perform?
- Convert a string value to Alteryx Date format
- Convert a date value to the day of the week
How does the text to column tool handle multiple characters?
The characters are treated independently, a new column is created when any of the characters are found
Which of the following statements about tool conversions are true?
- An input tool can be converted to a Dynamic Input tool
- A text input tool can be converted to a macro input tool
Which statement about the filter tool are correct?

- The operators displayed in the drop-down list in the basic filter change based on the data type of the chosen field
- The number of records that are input into a filter tool equal the combined records output from the T and F anchors
- Expressions created in the tool can be saved and then accessed in other tools

The following error is produced from the formula tool: Parse error at char (10): type mismatch in operator +. What is the source of this error?
- The expression is configured to combine 2 fields with different data types

Which of the following actions are possible in the select tool?
- Prevent new fields from being passed through
- Change data sizes
- Reorder fields in alphabetical order

Which statements about the find replace tool are correct?
- Fields can be appended or replaced
- Matches can be case sensitive or case insensitive

Which of the following statements about the tool container are accurate?
- When a tool container is disabled, data does not process through the tools inside

A data set has a string field that contains date information in the following format: Sunday, March 31, 2018. Which option correctly matches the string format required by the DateTime tool to turn the string into a Date Format?
day, month dd, yyyy

Which statements about workflow constants are true?
- The default data type for workflow constants is string
- Workflow constants will appear as options in expression editor after entering the symbol [, just like fields in the dataset
- Multiple workflow constants can be configured in a single workflow

If a user wanted to run their workflow, save it, and then close designer in that order, what sequence of shortcuts would accomplish those actions in the appropriate order.
Ctrl+ R, Ctrl+ S, Alt+ F4

The following files are in the same directory, there are no other files in that directory, and all files have the same schema:
- Total Returns 2019.csv
- Q1 Returns 2019.csv
- Q2 Returns 2019.csv
- March Returns 2019.csv
- April Returns 2019.csv
- May Returns 2019.csv
- June Returns 2019.csv

Which statement(s) would read in all of files using one Input Data Tool?
*Returns 2019.csv

Which of the statements about comments in an expression editor are true?
- A double forward slash // allows a comment to be added to the expression box
Which of the following are valid mathematical operators that can be used in the formula tool's expression editor?
> + /
Which of the following ways can tools be added to a tool container?
- Highlight the desired tools, then right click and "Add to new container"
- Drag a tool container onto the canvas, then drag the desired tools inside the container
Which of the following statements are true?
- a browse tool can be converted to a macro output tool
- The results window from a browse tool can be opened in a new window
Pivots the orientation of the data table from vertical to horizontal
Cross Tab
Key fields are replicated, while data fields are turned vertically
Transpose
Unique values in a column become new column headers
Cross Tab
Pivots the orientation of the data table from horizontal to vertical
Transpose
Values for new columns may be concatenated
Transpose
Which of the following statements about .xydb file types is correct?
- .xydb files are the most efficient file type for reading and writing data in Alteryx
- There is no limit to the rows that can be added
Which statements about the append fields tool are correct?
- The result of the tool is a Cartesian join
- Fields can be reordered
Of the options provided, which string data type would be best for a field that contains Japanese Character?
WString
Which tool accepts multiple incoming data streams and aligns the streams vertically based on a user specified configuration tool?
Union
A field has numeric values between -30,000 and 30,000 and there are no decimals. What is the smallest size data type that can be used for this field?
Int16
Which of the following statements are true about the Summarize tool?
- The output field name can be specified
- The "Max" function can only be used with numeric data types
- The "first" function returns the first record in the group, based upon its record position.

Each anchor of the workflow holds a certain amount of data for review in the results windows. What is the standard amount of data?

1 Megabyte

When configuring workflow dependencies, which options are available?

- All UNC
- All Absolute
- All Relative

Alteryx workflows can be saved together and opened as one file in Designer. What are these called?

Workflow group files

Which operations may be performed with the formula tool?

-Apply mathematical calculations
- Apply conditional statements
- Cleanse String Data

The following dataset contains review of ramen. How many brands had at least at least 5 varieties that were reviewed at 4 stars or higher?

54

The provided dataset contains information on food production globally from 1985 -2013. Which country produced the seventh largest amount of coconut oil over this period?

Germany

One dataset contains information on airports, and the other dataset contains information on runways at those airports. Which airport in the "US-TX" region has the longest lighted runway.

Biggs-Army Airfield

The dataset lists the time and magnitude of earthquakes in Japan from 2001 to 2018. Which month and year had the second most earthquakes greater than magnitude 5?

November 2006

The following dataset contains the titles to popular songs in the 60's and 70's. How many distinct artists on this list have a song with a title that is 7 words or longer?

96

In the attached dataset, only examine the flights that arrive in " ATL". Identify the 3 earliest flights from each airport. How many of those flights were delayed?

27

Data set about males missing appointments

39.24

Which of the following functions replace every occurrence of a target string or character?

A. ReplaceFirst()
B. Replace()
C. FindString()
D. ReplaceChar()
Replace()
Which of the following statements is False?

A. The functions Null() and IsNull() are found in the same category in the Function Library.
B. Math functions can only be used on numeric data types.
C. Conditional statements can be used with any data type.
D. A column's datatype can change in the course of a workflow.
The functions Null() and IsNull() are found in the same category in the Function Library.
An input dataset contains 54 records. With the give configuration window, how many records will be output?

A. 17
B. 36
C. Impossible to tell
D. 0
Impossible to Tell
Which of the following is not an available option for combining data in the Union tool?

A. Column Position
B. Data Type
C. Column Name
D. Manual Configuration
Data Type
How can data be added to a workflow with the Text Input tool?

A. Manually enter values in cells
B. Import data from a file or database
C. All listed ways
D. Copy and paste values from another source
All listed ways
Which of the values are not included in a data stream's metadata in Designer?

A. Type
B. Rename
C. Source
D. Size
Rename
What happens when Designer fails to read in a sheet?

A. Nothing happens
B. A warning message appears
C. An error message appears
d. This would never happen in Designer
An error message appears
Which of the following is the correct expression to remove leading zeros from the column [Name]?

A. Trim([Name],"")
B. TrimLeft([Name],"0")
C. Trim("0")
D. Replace("0"," ")
TrimLeft([Name],"0")
Which of the following statements is True?

A. The Sort tool can only sort one column of data.
B. Browse tool is needed to view the entire dataset in the Results window.
C. "1 in N chance to include each row" means the resulting number of records will be equivalent to 1/N of the records in the original dataset.
D. The Unique tool is case sensitive and will display the last value from the dataset in the U output when duplicate values are found.
Browse tool is needed to view the entire dataset in the Results window.
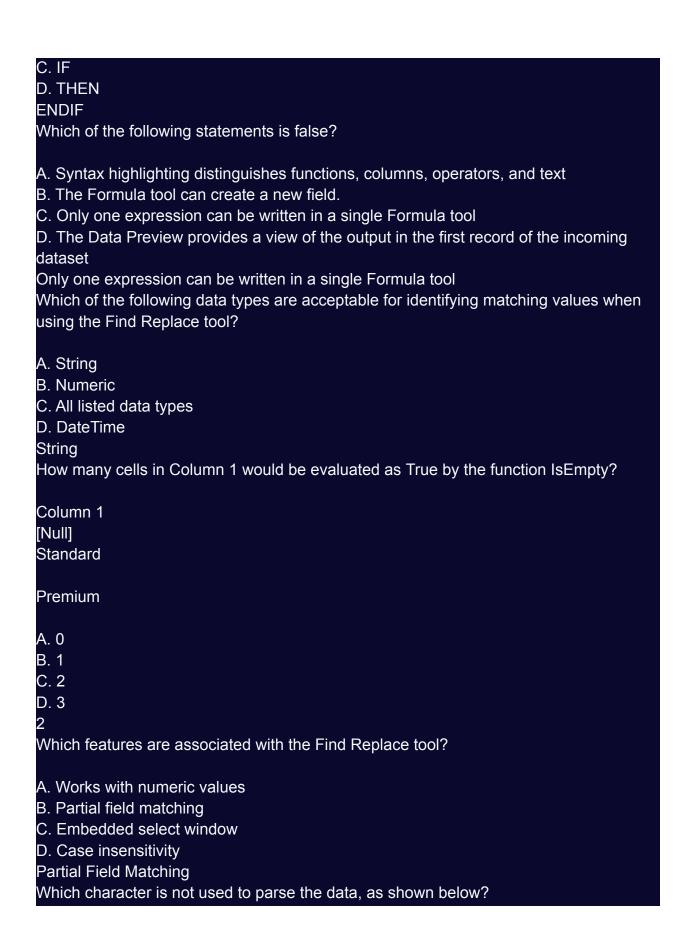Which of the following processes can not be performed with a Select tool?

A. Remove columns
B. Change a date type
C. Sort the content in a field
D. Save filed configuration
Sort the content in a field
What syntax element is missing from the statement below?

A. ELSEIF
B. ENDIF

C. IF
D. THEN
ENDIF
Which of the following statements is false?

A. Syntax highlighting distinguishes functions, columns, operators, and text
B. The Formula tool can create a new field.
C. Only one expression can be written in a single Formula tool
D. The Data Preview provides a view of the output in the first record of the incoming dataset
Only one expression can be written in a single Formula tool
Which of the following data types are acceptable for identifying matching values when using the Find Replace tool?

A. String
B. Numeric
C. All listed data types
D. DateTime
String
How many cells in Column 1 would be evaluated as True by the function IsEmpty?

Column 1
[Null]
Standard

Premium

A. 0
B. 1
C. 2
D. 3
2
Which features are associated with the Find Replace tool?

A. Works with numeric values
B. Partial field matching
C. Embedded select window
D. Case insensitivity
Partial Field Matching
Which character is not used to parse the data, as shown below?

A. Hyphen
B. Space
C. Comma
D. Semi-colon
Space
Which expression would output the value in the column [Output] in the table below?

Start Date= 2017-01-01
Output= 2016-01-01

A. DateTimeDay([Start Date])
B. DateTimeYear([Start Date])
C. DateTimeDiff([Start Date],[Output],"years")
D. DateTimeAdd([Start Date], -1, "years")
DateTimeAdd([Start Date], -1, "years")
Based on the data before and after parsing, select the method in the Text To Columns tool that was used.

A. Split to Rows
B. None of These
C. Split to Columns by comma
D. Split to Columns by hyphen
Split to Rows
Which expression would convert Null values in the column [Status] to the value "Not available"?

A. IF Null() THEN "Not available" ELSE [Status] ENDIF
B. IIF([Status]="Null", "Not available",[Status])
C. IF IsNull([Status]) THEN "Not available" ELSE [Status] ENDIF
D. IF [Status] = "Null" THEN "Not available" ELSE [Status] ENDIF
IF IsNull([Status]) THEN "Not available" ELSE [Status] ENDIF
Which of the following function categories have Action Properties?

A. All of the listed
B. Reporting
C. Finance
D. Numeric
All of the listed
Which function category would contain the function "Addition"?

A. Test
B. Operators
C. Math
D. Conversion
Operators
From the options listed below, which is not a way that functions can be inserted into the Expression Editor?

A. Typing the name of a function directly into the Expression Editor and select the function from the auto-completed options.
B. Choose from the "Recent and Saved Expressions"
C. Clicking on the Function Library icon to navigate and select a function
D. Right clicking in the Expression Editor and selecting a function.
Right clicking in the Expression Editor and selecting a function.
Which of the following statements about the Unique tool is True?

A. You can select up to 10 columns in one Unique tool
B. It's best practice to join the results from the U & D outputs
C. The Unique tool is case sensitive
D. The Unique can change the case of the characters in a field.
The Unique tool is case sensitive
How many unique rows would be identified if the Unique tool was configured as below?

A. 1
B. 3
C. 4
D. 2
4
Which of the following statements is True?

A. The ability to reorder and rename columns, as well as change a column's data type, exists only in the Select tool.
B. Columns classified as a numeric data type may be joined to columns classified as any data type when joining by specific fields.
C. Math functions can only be used on numeric data types.
D. Any value entered into the Text Input tool is characterized as a string data type.
Math functions can only be used on numeric data types.
Which of the following are not present in the configuration options for all the three file types-CSVs, Microsoft Excel Workbooks, and Alteryx Databases?

A. Record Limit
B. Output File Name as Field
C. File Format
D. First Row Contains Data
First Row Contains Data
What about the configuration below is incorrect?

A. Data type
B. Syntax error
C. Syntax error and Data type
D. Nothing is wrong
Syntax error and Data type
Which aggregation method was used for the Cross Tab tool to get the result?

A. Last
B. First
C. Concatenate
D. None of These
Last
To move data through a workflow, which action should be taken?

A. Press "Enter" on the Keyboard
B. Drag a Tool onto the Canvas
C. Click the Tool
D. Click the "Run" Button
Click the "Run" Button
Values in the data below are comma-delimited. How many columns should be specified for splitting the data if delimiters in quotes and brackets are ignored when using the Text To Columns tool?

A. 6
B. 5
C. 4
D. 7
5
Which function category would contain the function "Null()"?

A. Math
B. Test

C. Specialized
D. Operators
Specialized

You haven't studied these terms yet!

Select these 19

What happens when Designer fails to read in a sheet?

A. This would never happen in Designer
B. A warning message appears
C. Nothing happens
D. An error message appears
An error message appears

Base on the table below, how many output files will be produced when the Output Data tool is configured as shown? (The field chosen is Borough Name)

A. Five (5)
B. Three (3)
C. Two (2)
D. One (1)
One (1)

To limit the number of input rows to 10 from a CSV file, where will you put the number 10 in the Configuration window?

A. Record Limit
B. Field Length
C. Delimiters
D. Start Data Important on Line
Record Limit

Based on the configuration below, how many rows will be output from the Union tool?

A. Three (3)
B. Zero (0)
C. Five (5)
D. Four (4)
Five (5)

Which is not a way that a Browse tool can be added to the Canvas?

A. Right click a tool on the Canvas and select "Add Browse After"
B. Select a tool on the Canvas and hit Alt+Shift+B

C. Select a tool on the Canvas and hit Ctrl+Shift+B
D. Drag a Browse tool on the Canvas form the Tool Palette.
Select a tool on the Canvas and hit Alt+Shift+B
Which Function would produce the results in Result below?

A. Floor()
B. Rand()
C. Round()
D. Ceiling()
Round()
Which of the following file types support reading in multiple sheets?

A. .yxdb
B. .csv
C. All listed options
D. .xlsx
.xlsx
Which function was used to produce the values in the column [Email]?

A. TitleCase()
B. LowerCase()
C. UpperCase()
D. CountWords()
UpperCase()
Which of the following statements is False?

A. The Dynamic Input tool is the only tool required to import multiple sheets at once.
B. Data is only created or modified when a workflow with a configured Output Data tool
is run.
C. The filter tool includes two output anchors.
D. The Summarize tool can apply summary processes to Spatial, String, and Numeric
datatypes.
The Dynamic Input tool is the only tool required to import multiple sheets at once.
Which of the following expressions would not produce the values in the column [Status]
in the table?
Animals
Status
Cats
Rule
Dogs

Drool
Goats
[Null]
Ducks
[Null]

A. IF[Animals] = "Cats" THEN "Rule" ELSEIF [Animals] = "Dogs" THEN "Drool" ELSE Null() ENDIF
B. Switch([Animals], Null(), "Cats","Rule","Dogs","Drool")
C. IIF([Animals]="Cats", "Rule","Drool")
SD. witch([Animals], "NA", "Cats","Rule","Dogs","Drool","Goats", Null(),"Ducks", Null()) IIF([Animals]="Cats", "Rule","Drool")
All of the following sampling methods are available in the Sample tool except:

A. Skip 1st N rows
B. 1 of every N rows
C. First of N% of rows
D. Every row
Every row
Cells that are left blank in the Text Input tool are assigned what value?

A. Empty
B. N/A
C. Null
D. Zero (0)
Null
Given the Transpose Tool's configuration below, how many columns will appear in the output?

A. 4
B. 5
C. 6
D. 3
3
Which is not a way to add a tool to Canvas in Alteryx Designer?

A. Double Clicking a Tool in the Tool Palette
B. Drag a tool from the Tool Palette and drop it on the Canvas.
C. Search for a tool and drag the tool from the Search results onto the Canvas.
D. Right clicking on the Canvas and selecting the tool from the list of tool categories.

Double Clicking a Tool in the Tool Palette
The data type of Score filed is String. Based on the result, which option in the Sort tool was used?
Score
1
1
2
22
4

A. "Score" is sorted in ascending order and "Use Dictionary Order" is checked.
B. "Score" is sorted in descending order and "Use Dictionary Order" is checked.
C. "Score" is sorted in descending order and "Use Dictionary Order" is unchecked.
D. "Score" is sorted in ascending order and "Use Dictionary Order" is unchecked.
"Score" is sorted in ascending order and "Use Dictionary Order" is unchecked.
Based on the results below, which method was used to join the two tables?

A. Join by Specific Fields based on Type and Height
B. Join by Specific Fields based on Type
C. Join by Position
D. Join by Specific Fields based on Type, Height and Health
Join by Position
Which of the following options is not a data type recognized in Designer?

A. String
B. Auto
C. DateTime
D. Numeric
Auto
Which of the header values below would have characters converted to underscores when output by the Cross Tab tool?

A. A1
B. All listed
C. b&b
D. Ayx
b&b
Which of the following statements is True?

A. The Formula tool is the only tool in Designer in which expressions can be written.

B. The dataset that is connected to the "F" input of the Find Replace tool is the input in which data values are replaced or appended.
C. The Unique tool is case sensitive and will display the last value from the dataset in the U output when duplicate values are found.
D. The DateTimeDiff() function will never return a negative value.
The dataset that is connected to the "F" input of the Find Replace tool is the input in which data values

Alteryx Designer Core

Text Input Tool
Manually add data which will be stored in the workflow.

Methods of Use:
(1) Copy & Paste
(2) Import a File
(3*) Enter values in cells
- Data lives WITHIN the workflow
- Values are static
- Can be shared by sharing the workflow
- Data is automatically categorized to smallest type and size

Data Types:
-Data types may need to match that of other inputs, especially when that data will be blended with other data
-Be mindful of the characteristics of each data type and how it may impact your workflow later on.
- Empty values are assigned null values
Input Data Tool
Bring data into your workflow by selecting a file or connecting to a database (optionally, using a query).

- Data lives OUTSIDE the workflow
- Values update (are dynamic)
- Must export workflow to share files
- Data is configured based on the file type being imported
-Close all input files to avoid errors
- Previews the first 100 rows of data from the selected file
Output Data Tool
Output the contents of a data stream to a file or database

- Has only 1 anchor for INPUT

- Take File/Table Name From Field
Browse Tool
View data from a connected tool and view data profile information, reporting snippets, maps, and behavior analysis information in the data.
Find Replace Tool
Search for data in one field from one data stream and replace it with a specified field from a different stream. Similar to an Excel VLOOKUP
Append Fields Tool
Append the fields from a source input to every record of a target input. Each record of the target input will be duplicated for every record in the source input.
Join Tool
Combine two data streams based on common fields (or record position). In the joined output, each row will contain the data from both inputs.
Union Tool
Combine two or more data streams with similar structures based on field names or position. In the output, each column will contain the data from each input.

- Can accept multiple inputs
- First input connected determines output column names and data types
- Re-name the connections to help identify data sources
- Re-organize the order in which data is combined

Joins Data by stacking vertically based on:
(1) Column Name

(2) Column Position

(3) Manually
Select Tool
Select, deselect, reorder, and rename fields, change field type or size, and assign a description.
Select Records Tool
Select specific records and/or ranges of records including discontinuous ranges. Useful for troubleshooting and sampling.
Formula Tool
Create or update columns using one or more expressions to perform a broad variety of calculations and/or operations.
Sort Tool

Sort records based on the values in one or more fields.

Sample Tool

Limit the data stream to a number, percentage, or random set of records.

Filter Tool

Query records based on an expression to split data into two streams. True (records that satisfy the expression) and False (those that do not).

Data Cleansing Tool

Perform basic data cleansing operations such as replacing null values, removing punctuation, and modifying case.

Cross Tab Tool

Pivot the orientation of data in a table by moving vertical data onto a horizontal axis and summarizing selected data.

Transpose Tool

Pivot the orientation of the data in a table by moving horizontal data are on the vertical axis.

Summarize Tool

Summarize data by grouping, summing, counting, spatial processing, string concatenation, and much more. The output contains only the results of the calculation(s).

Count Records Tool

Count the records passing through the data stream. A count of zero is returned if no records pass through.

DateTime Tool

Transform date/time data to and from a variety of formats, including both expression-friendly and human readable formats.

Text to Columns Tool

Split the text from one field into separate rows of columns.

Tool Container

Organize tools into a single box which can be collapsed or disabled.

Comment Tool

Add annotation or images to the workflow canvas to capture notes or explain processes for later reference.

4 Benefits of Alteryx Designer

(1) Transparency
(2) Repeatability
(3) Safety
(4) Scalability

Transparency

You have visibility of all the actions performed on the data set. The workflow shows what steps were taken and the order in which they were performed.

Repeatability

Use a workflow to transform manual steps into an automated process. With a repeatable workflow, simply change the input data and click "Run".

Safety

Designer offers a safe development environment for testing, exploring and solving. By simply inputting data into the workflow, you are not overwriting the existing file. You choose where and how to save results.

Scalability

Designer accommodates multiple data sources at once, in the same workflow. There is no row-limit so you can work with your large datasets all at once. It also means that those sources can exist as varying formats in one workflow.

4 Components of Alteryx Designer

- Canvas
- Configuration Window
- Tool Palette
- Results Window

3 Ways to Add Tools to the Workflow

- Drag from tool palette
- Search for tools
- [Right Click] Canvas and INSERT

What do Exclamation Marks on Tools mean?

The tool is not configured correctly & needs to be corrected in order for the workflow to run correctly.

CSV Configuration

(1) Record Limit
- Improve run times
- Manually type number of records to input

(4) Output File Name As Field
- Add a column showing source file name or full path
- Easy to identify and use source info in workflow

(5) Delimiters
- Manually enter delimiters

(6) First Row Contains Field Names
- Deselect if columns do not have names

(7) Field Length
- Default is 254 Characters

- Manually change the length of a column to avoid truncated values

(8) Start Data Import on Line
- Avoid importing extraneous information from data sources
- Enter the line on which data values start

(9) Ignore delimiters in

(10) Treat Read Errors as Warnings

(11) Code Page
- Data can be encoded with a particular format (ex. UTF-8 or Language)
- Select the correct code page for your data

(12) Allow Shared Write Access
Excel Workbook Configuration
Data is stored in a tabular (table) format/structure in sheets or a named range

(1) Record Limit
- Limit the number of rows to import

(2) File Format

(3) Table or Query
- Displays your configuration selection
- Click the Ellipses (...) to edit this setting

(4) Search Sub Dirs

(5) Output File Name as Field
- Add a column showing source file name or full path
- Easy to identify and use source info in workflow

(6) First Row Contains Data
- Select this box if the first row of an input data contains data values, not column names

(7) Start Data Import on Line
- Avoid importing extraneous information from data sources
- Enter the line on which data values start
YXDB (Alteryx Database) Configuration

- The most efficient file type for reading data into Alteryx
- Fast, Efficient, Clean

Options:
(1) Record Limit
- Limit the number of rows to import to improve runtimes
- Manually type the number of records to read in

(2) File Format
(3) Search SubDirs
- Search Subdirectories to input other files with the same name, type or structure

(4) Output File Name on Field
- Add a column showing source file name or full path
- By default, none of this information will be included with the input data
Dynamic Input Data Tool
- Reads multiple Sheets of Data from source .xlsx workbooks

-Templates set the guidelines for what information is imported and how the information appears when all of the sheets are read in

- If a sheet DOES NOT MATCH the template, it WILL NOT BE IMPORTED
- Imported data is stacked VERTICALLY

- Sheets that are not imported or are imported POSITIONALLY will display a WARNING Message

- Alteryx Designer users Two (2) Attributes when evaluating Sheets against the Template
(1) Number of Columns
(2) Names of the Columns
Output Data Tool: Excel Workbooks
- Limited number of rows & types of data
- Spatial objects are not supported

Configuration Output Options:
(1) Max Records Per File
(2) File Format
(3) Output Options
(4) Append Field Map

"Create New Sheet" When writing data for the first time

Change your selection to overwrite or modify existing files on subsequent runs
Output Data Tool: CSV File
- Stores all data values as string data types
- Any unsupported data types (ex. spatial objects) will be dropped from the outputted file

Configuration Output Options:
(1) Max Records Per File
- Limit the number of rows exported in a single file
- Creates multiple files when there are more rows than you specify
(2) File Format
(3) Delimiters
- Specify how the data should be separated in the output
(4) First Row Contains Field Names
(5) Quote Output Fields
(6) Code Page
- Select a code page to convert text upon output
(7) Line Ending Style
(8) Write BOM
Output Data Tool: Alteryx Database
- File extension = .YXDB
- Most efficient output format
-Compressed for maximum speed
- Uses the same structure as Designer
- No limit on rows

Configuration Output Options:
(1) Max records per file
(2) File format
(3) No Spatial Index
(4) Save Source & Description
- Default settings includes source and description data
-Useful for understanding the origin of data

Alteryx Core certification
What are the two sections of the Input Data Configuration window?
Connect a File or Database AND Options
Not studied (38)

You haven't studied these terms yet!

What does entering "*" do with an input file?

It brings in anything that starts with the characters before the "*" and anything after it

What does entering "?" do with an input file?

It brings in anything that starts with the characters before the "?" plus one character

What are the limits for the data layout preview window in the Input Data tool?

100 records or fewer in wide files

How do you convert an Output Data Tool to an Input Data Tool?

1.) Right-click the Output Data tool you want to convert to an Input Data tool.

2.) Select Convert To Input Data.

What are the 3 ways to add the Browse tool to the workflow?

-Drag a Browse tool to the canvas, and connect it to an upstream tool.

-Right-click on a tool on the canvas and select Add Browse After.

-Use the Shift+Ctrl+B keyboard shortcut and select the tools in a workflow.

Without the browse tool, up to how much data shows in the Results window?

1 MB of data

How do you disable a browse tool?

-Select a random point on the canvas to display the Workflow - Configuration window.

-In the configuration window, select Runtime.

-Check Disable All Browse Tools to make the Browse tools in the workflow unavailable.

To enable Browse tools, uncheck Disable All Browse Tools.

What happens in the Configuration Window of the Browse Tool if a column's data type is not compatible with data profiling?

"No Profiling Available" message will display

What happens in the Configuration Window of the Browse Tool if there is only one value in each column?

"Only one value" message displays

What happens in the Configuration Window of the Browse Tool if each value in the columns is unique?

"All values are unique" message displays

In the Configuration Window of the Browse Tool, what are the two categories you can filter based on?

Fields (columns) and Data Type

What is the data profiling limit of the Browse Tool?

300 MB

Is record size the same as file size?

No

How to convert Browse Tool to Macro Output Tool

1.) Right-click the Browse tool in your workflow.

2.) Select Convert To Macro Output.
3.) Configure the tool.
How to convert Browse Tool to Output Data Tool
1.) Right-click the Browse tool in your workflow.
2.) Select Convert To Output Data.
3.) Configure the tool.
What does the "Append Suffix to File/Table Name" option do to the output data file?
Appends the selected field name to the end of the name of the selected table.
What does the "Prepend Prefix to File/Table Name" option do to the output data file?
Prepends the selected field name to the beginning of the name of the selected table.
What does the "Change File/Table Name" option do to the output data file?
Changes the file name to the selected field name
What does the "Change Entire File Path" option do to the output data file?
Changes the file name to the name of the selected field. The name must be a complete file path. This option can overwrite an existing file if a file exists in the full path directory
What does Default Sort do to numeric string data?
Using the default sort, numeric strings are sorted left to right, character by character
What does Dictionary Sort do to numeric string data?
Using the dictionary sort, numeric strings are sorted from the smallest to largest number
What does the Auto Field Tool do?
Use Auto Field to read through all of the records of an input and set the field type to the smallest possible size relative to the data contained within the column.
The tool correctly assigns a numeric field to a string data type where any record starts with zero and not a number.
What should you do after running the Duplicates tool?
Manual inspection. Manual inspection of the results is often necessary to ensure that rows flagged as duplicates are actually duplicates. For example, you might have 2 customers that share the same name but live at different addresses. If you think that your dataset might include these types of outliers, you might want to select additional columns when you configure this tool.
What is Sample tool used for?
Use Sample to limit the data stream to a specified number, percentage, or random set of rows. In addition, the Sample tool applies the selected configuration to the columns selected to group by
What is the option in the Sample tool to further sample the data?
Group by column: If a group or groups are specified, N rows are returned for each group.

If you select to Group by a column named City, specify N as 2, and select First N Rows, Alteryx returns the first 2 rows for each City.

What other tools contain the Select tool functionality?
Append Fields tool, Find Nearest tool, Join tool, Join Multiple tool, Select In-DB tool, and Spatial Match tool
What is the Select tool used for?
Use Select to include, exclude, and reorder the columns of data that pass through your workflow. Excluding columns can limit the data passing through a workflow and improve performance. You can also use the Select tool to modify the type and size of data, rename a column, or add a description.
How do you change the supported length or measurement of data in the Select tool?
Select size and enter a number. Size varies by data types and can be edited for fixed decimal numeric types and all string types
What are the ways you can use the Formula tool?
Apply conditional statements.
Convert numbers and strings.
Format dates.
Extract file paths.
Apply financial algorithms or mathematical calculations.
Find the minimum and maximum values.
Analyze spatial data.
Cleanse string data.
Perform validation tests on data.
What are the three functions of the Formula tool?
Build an Expression, Add an Additional Expression, Reorder an Expression
What is the Multi-Row Formula tool used for?
Utilize row data as part of the formula creation and is useful for parsing complex data, and creating running totals, averages, percentages, and other mathematical calculations
What are the steps to configure the Multi-Row Formula tool?
1.) Choose to Update Existing Field or Create New Field. If creating a new field, enter a name, and select the Type and Size.

2.)Use Num Rows to set the row variables that display as in the expression editor.
When set to 1, these variables display
Row - 1: The row before the active row.
Row + 0: This is the Active Row. The active row is where the result goes into.
Row + 1: The row after the active row.

3.)When the Active row is the first row, you need to specify the Values for Rows that don't exist.
Null: Null values are applied to nonexistent rows.

0 or Empty: The values are set to 0 or left empty (default).
Set to Values of Closest Valid Row: The values of the closest valid row are set to the nonexistent rows.

4.)Group by (Optional): Either select fields individually or use the All or Clear buttons.

5.)Build the expression that will update the chosen field. Visit Expression Editor for details.
What is the Append Fields Tool and what is it used for?
Use Append Fields to append the fields of one small input (Source) to every record of another larger input (Target). The result is a Cartesian join. In a Cartesian join, every row from one table is joined to every row of another table. For example, if table A has 100 rows, and table B has 1,000 rows, the Cartesian join of these two tables results in 100,000 rows
What are some of the capabilities of the Append Fields Tool?
Select, Deselect, and Reorder Columns, Modify Data Type and Size, and Rename a Column or Add a Description
What happens if you generate too many records?
Warn/Error on Too Many Records Being Generated: Since the Append Fields tool performs a Cartesian join, you can unintentionally produce an excessive amount of records. You can configure warnings or errors to be reported to ensure that too many records are not produced.

-Allow All Appends: All records will be appended to all records with no error or warning.

-Warn on appends of more than 16 Records: If more than 16 records are in the Source file (S input) a warning is reported and the workflow continues processing.

-Error on appends of more than 16 Records: If more than 16 records are in the Source file (S input) an error is reported and the workflow stops processing.
What are the two options to performing a Join?
1.) Join by Record Position: Select this option when the two tables to be joined have the same field structure, and the data will be joined by its position within the two tables.
2.) Join by Specific Field: Select this option when the two tables have one or more fields in common (like an ID) and the data will be joined together. You can choose to Join based on multiple fields. Each Join should be a separate row in the grid.
What do you need to do if you need multiple join fields?
-Select the dropdown to choose an additional join field, per input.
-To delete a join field, select a number on the left-hand side and select the Delete button.

What is the difference between the Find/Replace input anchors?
-F input anchor: This input is the initial input table ("F" for "Find"). This is the table that is updated in the tool's results.
-R input anchor: This input is the lookup table ("R" for "Replace"). This is the table that contains data used to replace data in (or append data to) the initial input.

What methods could you use to import all sheets of an Excel file with multiple sheets into Alteryx?
Use a single Input Data tool paired with a Dynamic Input tool

Use Multiple Input Data Tools
One of Kai's prior classes examined an algorithm and dataset that is used in sentencing juvenile offenders in Washington state. What did the class discover?
Once minor offenses (ex. missing a parole hearing) were removed, the algorithm could not predict who would reoffend.
From the following options, select all topics and tools this class will cover.
Alteryx
Data Robot
AI
Predictive Analysis
ML
When using the Text Input tool...
Data is automatically categorized to the smallest type and size.
Some tools have functionalities similar to the Select tool embedded in them- for example, the ability to rename or remove columns.
True
In the Select Tool, the "Unknown" column...
allows flexibility if the incoming data changes
An Output Data tool can be converted to an Input Data Tool by right clicking on it.
True
An Input Data tool can be converted to an Output Data Tool by right clicking on it.
False
Fill in the blank: [blank] is the discipline of using methods to extract useful patterns from data for business purposes.
Business Analytics
Match each piece of data to the datatype that would be most appropriate to store it

Device ID (7364592)

Timestamp

A dummy variable for graduation status, coded as 1 if the student has graduated and 0 if the student has not

A sales report for Apple, reported in whole dollar amounts (note- Apple reported product sales of $213 billion in 2019)

An inventory report with counts of product SKUs in inventory. Counts of products range from tens of units to thousands, depending on the product.
V_WString

Datetime

Double

Bool

Int64

Int16
Look at picture example
Data Cleansing
Select the data type that can store Unicode characters such as æ and ø.
V_Wstring
Which statement about the V_String data type is correct?
Alteryx stores the V_String as efficiently as possible
The Washington Post article, "Colleges are turning students' phones into surveillance machines, tracking the locations of hundreds of thousands", outlined several concerns of educators and students. Which of the following were concerns or dangers of student surveillance mentioned in the article?
Minority groups could be targeted through the tracking

Infantilization of students

Normalization of constant surveillance
T/F: The Comment Tool can only display text.
False
The DateTime tool can't process dates prior to what date?
January 1, 1400

The Data Cleansing tool is not [blank], so it will not interact with new fields if the input data fields change.
dynamic
Select the configuration of the Select Records tool that will output records 1 through 8, 14, 19 through 25, and 50 to the last row (note- assume the dataset has 75 rows).
-8
14
19-25
50+
The following data is connected to a Text To Columns tool with the following configuration:

Text: 1552 NW// Maple Road",", Minneapolis,"Minnesota," 3483

Ignore the delimiters in quotes
1552 NW

//Maple Road","

Minneapolis

"Minnesota," 34383
Which of the following data types will work for identifying matching values when using the Find Replace tool? Select all that apply.
String
A Sample tool has the following configuration:

first n rows

Group by column city

N=3

The original dataset contains 3,567 records, 12 cities, 4 states, and 18 counties. How many records will be outputted from this sample tool?
36
The dataset below is connected to a formula tool as shown:

input:
field 1: Ralphie is really cool!

Output:
field 1: Ralphie is really cool!
field 2: Ralphie
Left([Field1],7)
A data set contains a column called "species" which contains pet species. Select all options that will output a 1 if the species is a Caique or a Parrot and 0 if the species is not a Caique or a Parrot
IF [species] = "Caique" THEN 1 ELSEIF [species] = "Parrot" THEN 1 ELSE 0 ENDIF

IIF([species] = "Caique" OR [species] = "Parrot", 1, 0)
True or False: When using the Record ID tool, the first value generated is always 1.
False
From the option listed below, how can functions be inserted into the Expression Editor of the Formula tool?
Typing the name of a function directly into the Expression Editor and selecting the function from the auto-completed options.

Clicking on the Function Library icon to navigate and select a function.
Which of the following configurations of the Generate Rows tool will create a new row for every month between January 1, 1975, and September 1, 2020?
Condition Expression:
[Date] < ToDate(DateTimeToday())

Loop Expression:
DateTimeAdd([Date],1,"months")
Match each setting for the Tile tool with the description of the method the setting uses.

Equal Sum

Equal Records

Smart Tile

Unique Value

Manual
Each tile has the same total of the sum field

Each tile is assigned the same amount of records

Creates tiles based on the standard deviation of the values in the specified field

For each unique value in a specified field, a unique tile is created

The user specifies the cutoffs for the tiles
When using the Multi-Row Formula tool, there are several options within the tool for handling missing row values. Which of the following is not an option for handling missing row values?
Set missing value to most frequent value
In the article "A robot wrote this entire article. Are you scared yet, human?", which of the following is not an argument that GPT-3 makes to convince the reader that robots come in peace?
Asimov's first law of robotics prevents AI from harming humans
Which of the following statements about the Multi-Field Formula tool is true?
The Multi-Field Formula tool allows the user to change an existing field's datatype
Which of the following tools allow the user to apply multiple expressions in one tool?
Formula Tool
Which of the following formula would create a series that would continually double each value of [count] from the previous row in the resulting table?
If [Row-1:Count]=0 Then 1 Else 2*([Row-1:Count]) Endif
A Text Input tool has the following data:

Each column represents revenue by month. Each row is denominated in that location's currency (for example, every number row 5 is denominated in Swedish Krona, while each number in row 2 is denominated in USD). Which of the following configurations of the Multi-Field Formula tool would generate a new column and appropriately convert each row to USD?

Alteryx Study

Given the output below, which is the correct configuration of the summarize tool?
GroupBy, Concat
True or False:

The Summarize tool can apply summary processes to Spatial, String, and Numeric datatypes.
True
Which of the following function categories have Action Properties?
String, Finance
Which of the following data types are acceptable for identifying matching values when using the Find Replace tool? Select all that apply.

String
The dataset that is connected to the "F" input of the Find Replace tool is the input in which data values are replaced or appended.
True

The F input should be connected to your main dataset.
The R input should be connected to your lookup table.
Select all features which are not associated with the Find Replace tool.
Embedded select window, Works with numeric values
Differences between Find Replace tool and Join tool:

Find Replace
1. Flexibility
2. Direct Replacement
3. String Data Only
4. No Embedded Select
5. Returns Single Match
Join
1. Requires Exact Match
2. Appends Columns Only (No Direct Replacement)
3. Accepts Multiple Datatypes
4. Embedded Select
5. Returns All Identified Matches
Given the Transpose Tool's configuration below, how many columns will appear in the output?
Three

Transpose will always out out two columns (Name and Value) and extra columns depending on how many key columns are selected.
Which of the header values below would have characters converted to underscores when output by the Cross Tab tool? Select all that apply.
1 a, b&b

Special characters and spaces are replaced.
Which method of aggregation was used?
Last
Data is only created or modified when a workflow with a configured Output Data tool is run.
True

Based on the table below, how many output files will be produced when the Output Data tool is configured as shown?
Two (2)
Select the statements that are true.
The Output Data tool does not include an output anchor.
The Output Data tool's configuration options change based on the output file type.

To move data through a workflow, which action should be taken?

a) Click the "run" button
b) Drag a tool onto the canvas
c) Press "Enter" on the keyboard
a) Click the "run" button
Select all the ways in which a tool can be added to the Canvas in Designer:

a. Right click on the canvas and insert a tool from the list of tool categories
b. Drag a tool from the tool palette onto the canvas
c. Drag a tool from the search results onto the canvas
d. Double clicking a tool in the palette
a, b, and c
T or F: The input data tool can only connect to files?
False
Which of the following are present in the configuration options for Alteryx Databases, Microsoft Excel workbooks, and CSVs?

a. first row contains data
b. output file name as field
c. delimiters
d. record limit
b and d
Select all the values that are included in a data stream's metadata in Designer?

a. type
b. size
c. name
d. source
a, b, c, and d
T or F: A column's data type can change in the course of a workflow?
True

Which of the following options is not a data type recognized in Designer?

a. string
b. numeric
c. auto
c. auto
T or F: Any value entered into the Text Input tool is characterized as a string data type
False
Cells that are left blank in the text input tool are assigned what value?

a. empty
b. null
c. zero
b. null
How can data be added to a workflow with the text input tool?

a. input data from a file or database
b. manually enter values in cells
c. copy and paste values from another source
a, b and c
Select all the ways in which a browse tool can be added to the canvas?

a. Right click a tool on the canvas and select "add browse after"
b. Select a tool on the canvas and hit Ctrl-Shift-B
c. Drag a browse tool on the canvas from the tool palette
a, b and c
Which of the following file types support reading in multiple sheets? Select all that apply.

a. .xls
b. all listed options
c. .xlsx
d. .csv
e. .yxdb
c. .xlsx ONLY
What happens when Designer fails to read in a sheet?

a. a warning message appears
b. nothing happens
c. this would never happen in Designer
d. an error message appears

a. a warning message appears

T or F: The dynamic input tool is the only tool required to input multiple sheets at once

False

T or F: Data is only created or modified when a workflow with a configured output data tool is run

True

Select the statements that are true:

a. the output data tool's configuration options change based on the output file type
b. the output data tool can only write to files
c. the output data tool can only output one file at a time
d. the output data tool does not include an output anchor

a and d

Which of the following is not an available option for combining data in the Union tool?

a. data type
b. manual configuration
c. column name
d. column position

a. data type

T or F: Columns classified as a numeric data type may be joined to columns classified as any data type when joining by specific fields

False

If a workflow in Alteryx has resulted in an error you will see a?

exclamation mark

To limit the number of rows of output with the input data tool you would select?

record limit

Common output file types in Alteryx are?

excel, csv, and alteryx database

The join tool output anchors are?

left, join, right

The browse tool is used when?

only a fraction of the data is displayed

Alteryx is?

Data analytics software

The tool that allows you to annotate in the canvas is?

comment tool

On the main page in Designer you see?

canvas, tool palette, configuration window, results window

The final step in a workflow is to?

output the workflow to a database, cloud platform, or file

To move data through a workflow, which action should be taken?
A. Press "Enter" on the keyboard
B. Click the "Run" Button
C. Drag a tool onto the Canvas
B. Click the "Run" Button
Select all the ways in which a tool can be added to the Canvas in Designer
A. Right click on the canvas and insert a tool from a list of tool categories
B. Drag a tool from the Tool Palette onto the canvas
C. Drag a tool from the search results onto the canvas
D. Double clicking a tool in the tool palette
A, B, C
(T/F) The workflow below has resulted in an error (shows exclamamation point)
True
Which of the following options is not a data type recognized in Designer?
A. Numeric
B. String
C. Auto
C. Auto
Select all of the values that are included in a data stream's metadata in Designer.
A. Name
B. Source
C. Size
D. Type
All of the above
(T/F) A column's datatype can change in the course of a workflow.
True
(T/F) The input data tool can only connect to files
False
Configure the input data tool to limit the number of input rows to 10
Set record limit to 10
Which of the following are present in the configuration options for Alteryx Databases, Microsoft Excel workbooks, and CSVs?
A. Output file name as field
B. Record limit
C. Delimiters
D. First row contains data
A and B only
(T/F) Any value entered into the text input tool is characterized as a string data type

False

Cells that are left blank in the text input tool are assigned what value?

Null

How can data be added to a workflow with the text input tool?

A. Manually enter values in cells

B. Copy and paste values from another source

C. Input data from a file or database

All of the above

Choose all of the following processes that can be performed with a Select Tool

A. Change a column size

B. Remove columns

C. Rename columns

D. Change a data type

All of the above

(T/F) The ability to reorder and rename columns, as well as change a column's data type, exists only in the select tool

False

Select the column in the select tool's configuration that is used to rename a column of data and click submit

Select "rename" column

Select all the ways in which a browse tool can be added to the canvas

A. select a tool on the canvas and hit CTRL

+ Shift +B

B. Drag a browse tool on the canvas from the tool palette

C. Right click a tool on the canvas and select "add browse after"

All of the above

(T/F) A browse tool is required to view the entire dataset below in the Results window

True (can't see all data)

Which of the following is not an available option for combining data in the Union tool?

A. Column name

B. Column position

C. Manual configuration

D. Data type

Data type

(T/F) The filter tool includes two output anchors

True

Drag the components of a Basic Filter into the appropriate places in the Configuration Window

A. CONTAINS

B. "Oak"

C. [Common Name]
C, A, B
(T/F) Columns classified as a numeric data type may be joined to columns classified as any data type when joining by specific fields
False

T/F: The sort tool can only sort one column of data
False
Sort Date (ascending vs. descending)

Sort Height (ascending vs. descending)
Date: Ascending = oldest date on top
Descending = newest date on top

Number: Ascending = lowest to highest

Descending = highest to lowest
Which of the following statements about the unique tool are NOT true?
It's the best practice to join the results from the U & D outputs

The Unique tool is limited to 10 columns
T/F: The unique tool is case sensitive and will display the last value from the dataset in the U output when duplicate values are found
False
T/F: The filter tool includes two output anchors
True
Drag the components of a basic filter into the appropriate places in the configuration window:

Contains
"Oak"
[Common Name]
[Common Name] contains "oak"
All of the following sampling methods are available in the sample tool except:
Every Row
Sampling methods available (6)
-First N rows
-Last N rows
-Skip 1st N rows

-1st of every N rows
-1 in N chance to include each row
-First N% of rows
T/F: "1 in N chance to include each row" means the resulting number of records will be equivalent to 1/N of the records in the original dataset
False

Does not represent an exact ruction of the incoming records

Alteryx analytical skills green
T/F: The formula tool is the only tool in designer in which expressions can be written
False; there's 13
From the options listed below, how can functions be inserted into the expression editor?
Typing the name of a function directly into the expression editor and selecting the function from the auto-completed options

Clicking on the function library icon to navigate and select a function
Select the statement that is false:
Only one expression can be written in a single Formula tool
T/F: Conditional statements can be used with any data type
True
What do you use when there's multiple conditions being evaluated
A multi-conditional statement or the switch function can be used
T/F: The functions null() and isNull() are found in the same category in the function library
False

Null() is in the specialized category

isNull is in the test category
Which expression would convert null values in the column [status] to the value "not available"
IF IsNull([Status]) THEN "Not Available" ELSE [Status] ENDIF
How many cells in Column 1 would be evaluated as TRUE by the function is empty

Column 1, [null], standard, **blank**, Premium
2
Which of the following is the correct expression to remove leading zeros from the column [Name]?

000AnnaRodriguez

Trimleft([Name],"0")

Which of the following functions replace every occurrence of a target string or character?

ReplaceFirst()

T/F: Math Functions can only be used on numeric data types

True

Which function category would contain the function "Addition"

Operators

Which function would produce the results below:

45.224 --> 45
78.611 --> 79

Round()

Which tool allows you to change the datatype of an existing column?

Only the multi-field tool

T/F: The multi-field formula applies its expression to every column in the incoming dataset

False

The columns affected by the multi-formula tool are selected in the configuration window

Which of the following formulas would create a series that would double each value of [count] from the previous row?

if [row-1:Count]=0 Then 1 Else 2*([Row-1:Count]) Endif

What value would appear in the empty cell with the configuration pictured?

Expression: [Row-1:Stock] - [Stock]

The first sale is blank

-30

T/F: In the function library, clicking a function once displays a description of that function

True

Double clicking will insert that function

Quiz questions

What methods could you use to import all sheets of an Excel file with multiple sheets into Alteryx?

Use a single Input Data tool paired with a Dynamic Input tool

Use Multiple Input Data Tools

One of Kai's prior classes examined an algorithm and dataset that is used in sentencing juvenile offenders in Washington state. What did the class discover?

Once minor offenses (ex. missing a parole hearing) were removed, the algorithm could not predict who would reoffend.

From the following options, select all topics and tools this class will cover.

Alteryx
Data Robot
AI
Predictive Analysis
ML

When using the Text Input tool...

Data is automatically categorized to the smallest type and size.

Some tools have functionalities similar to the Select tool embedded in them- for example, the ability to rename or remove columns.

True

In the Select Tool, the "Unknown" column...

allows flexibility if the incoming data changes

An Output Data tool can be converted to an Input Data Tool by right clicking on it.

True

An Input Data tool can be converted to an Output Data Tool by right clicking on it.

False

Fill in the blank: [blank] is the discipline of using methods to extract useful patterns from data for business purposes.

Business Analytics

Match each piece of data to the datatype that would be most appropriate to store it

Device ID (7364592)

Timestamp

A dummy variable for graduation status, coded as 1 if the student has graduated and 0 if the student has not

A sales report for Apple, reported in whole dollar amounts (note- Apple reported product sales of $213 billion in 2019)

An inventory report with counts of product SKUs in inventory. Counts of products range from tens of units to thousands, depending on the product.

V_WString

Datetime

Double

Bool

Int64

Int16
Look at picture example
Data Cleansing
Select the data type that can store Unicode characters such as æ and ø.
V_Wstring
Which statement about the V_String data type is correct?
Alteryx stores the V_String as efficiently as possible
The Washington Post article, "Colleges are turning students' phones into surveillance machines, tracking the locations of hundreds of thousands", outlined several concerns of educators and students. Which of the following were concerns or dangers of student surveillance mentioned in the article?
Minority groups could be targeted through the tracking

Infantilization of students

Normalization of constant surveillance
T/F: The Comment Tool can only display text.
False
The DateTime tool can't process dates prior to what date?
January 1, 1400
The Data Cleansing tool is not [blank], so it will not interact with new fields if the input data fields change.
dynamic
Select the configuration of the Select Records tool that will output records 1 through 8, 14, 19 through 25, and 50 to the last row (note- assume the dataset has 75 rows).
-8
14
19-25
50+
The following data is connected to a Text To Columns tool with the following configuration:

Text: 1552 NW// Maple Road",", Minneapolis,"Minnesota," 3483

Ignore the delimiters in quotes
1552 NW

//Maple Road","

Minneapolis

"Minnesota," 34383
Which of the following data types will work for identifying matching values when using
the Find Replace tool? Select all that apply.
String
A Sample tool has the following configuration:

first n rows

Group by column city

N=3

The original dataset contains 3,567 records, 12 cities, 4 states, and 18 counties. How
many records will be outputted from this sample tool?
36
The dataset below is connected to a formula tool as shown:

input:
field 1: Ralphie is really cool!

Output:
field 1: Ralphie is really cool!
field 2: Ralphie
Left([Field1],7)
A data set contains a column called "species" which contains pet species. Select all
options that will output a 1 if the species is a Caique or a Parrot and 0 if the species is
not a Caique or a Parrot
IF [species] = "Caique" THEN 1 ELSEIF [species] = "Parrot" THEN 1 ELSE 0 ENDIF

IIF([species] = "Caique" OR [species] = "Parrot", 1, 0)
True or False: When using the Record ID tool, the first value generated is always 1.

False

From the option listed below, how can functions be inserted into the Expression Editor of the Formula tool?

Typing the name of a function directly into the Expression Editor and selecting the function from the auto-completed options.

Clicking on the Function Library icon to navigate and select a function.

Which of the following configurations of the Generate Rows tool will create a new row for every month between January 1, 1975, and September 1, 2020?

Condition Expression:
[Date] < ToDate(DateTimeToday())

Loop Expression:
DateTimeAdd([Date],1,"months")

Match each setting for the Tile tool with the description of the method the setting uses.

Equal Sum

Equal Records

Smart Tile

Unique Value

Manual

Each tile has the same total of the sum field

Each tile is assigned the same amount of records

Creates tiles based on the standard deviation of the values in the specified field

For each unique value in a specified field, a unique tile is created

The user specifies the cutoffs for the tiles

When using the Multi-Row Formula tool, there are several options within the tool for handling missing row values. Which of the following is not an option for handling missing row values?

Set missing value to most frequent value

In the article "A robot wrote this entire article. Are you scared yet, human?", which of the following is not an argument that GPT-3 makes to convince the reader that robots come in peace?
Asimov's first law of robotics prevents AI from harming humans
Which of the following statements about the Multi-Field Formula tool is true?
The Multi-Field Formula tool allows the user to change an existing field's datatype
Which of the following tools allow the user to apply multiple expressions in one tool?
Formula Tool
Which of the following formula would create a series that would continually double each value of [count] from the previous row in the resulting table?
If [Row-1:Count]=0 Then 1 Else 2*([Row-1:Count]) Endif
A Text Input tool has the following data:

Each column represents revenue by month. Each row is denominated in that location's currency (for example, every number row 5 is denominated in Swedish Krona, while each number in row 2 is denominated in USD). Which of the following configurations of the Multi-Field Formula tool would generate a new column and appropriately convert each row to USD?
Select Numeric Fields

Select January, Febuaru, March, April

IF contains([location], "Norway")
Then [_currentField_]*0.106907
ELSEIF Contains([location], "Sweden")
THEN [_CurrentField_]*.112220
ELSE [_currentField_] ENDIF

Alteryx analytical skills -white

T/F: Any value entered into the Text Input tool is characterized as a string data type.
False: The tool will auto-configure based on the values you type in
Cells that are left blank in the Text Input tool are assigned what value?
Null
How can data be added to a workflow with the Text Input tool?
Copy and paste values from another source

Input data from a file or database

Manually enter values in cells
T/F: The input data tool can only connect to files
False

Which of the following are present in the configuration options for Alteryx Databases, Microsoft Excel Workbooks, and CSVs?
Record Limit

Output file name as field
What happens when designer fails to read in a sheet?
A warning message appears
T/F: The Dynamic input tool is the only tool required to import multiple sheets at once
False
What is the file type that supports importing multiple sheets?
.xlsx
T/F: Data is only created or modified when a workflow with a configured Output Data tool is run?
True
Select the statements that are true:
The output data tool's configuration options change based on the output file type

The output data tool does not include an output anchor
Select all the ways in which a browse tool can be added to the canvas:
Drag a browse tool o the canvas from the tool palette

Right click a tool on the canvas and select "Add browse after"

Select a tool on the canvas and hit CTRL + Shift + B
T/F: A browse tool is required to view the entire dataset below in the results window
True
Choose all of the following processes that can be preformed with a select tool
Change a column size

Rename columns

Change a data type

Remove columns
T/F: The ability to reorder and rename columns, as well as change a column's data type, exists only in the select tool
False
T/F: The DateTimeDiff() function will never return a negative value.
False
Which expression would output the value in the column [output] in the table below?

Start date: 2017-01-01
Output: 2016-01-01
DateTimeAdd([Start Date],-1,"years")
What about the configuration below is incorrect?

DateTimeAdd([PurchaseDate], [Duration],, months)
Syntax and DataType

The datatype should be set to "DateTime" and "months should be wrapped in quotes

Alteryx analytical skills orange

Select the characters used to parse the data below:

van Beethoven,Ludwig; 1770-1827
Hyphen

Comma

Semi-Colon
y38ghfiea3e9, Mike's Auto,", Llc, [24,000], Mobile, AL
5
Which of the following data types are acceptable for identifying matching values when using the Find Replace tool? Select all that apply:

Numeric
String
Spatial
DateTime
String
T/F: The dataset that is connected to the 'F' input of the Find Replace tool is the input in which data values are replaced or appended
True

The F input should be connected to your naming dataset

The R input should be connected to your lookup table
Select all creatures which are not associated with the Find Replace tool
Embedded select window

Works with numeric values

In which of the below tools' configuration, values from a field become the new column headers in output data

Options are :

- Summarize
- Transpose
- Count Records
- Cross Tab (Correct)

Answer :

*Cross Tab (Correct)

Which of the below is not a valid mathematical operator to be used in Formula tool expression?

Options are :

- x (Correct)
- /
- !=
- +

Answer :

*x (Correct)

Select if True or False. The memory limit for data per anchor that is displayed in result window can be increased or decreased.

Options are :

- False
- True (Correct)

Answer :

*True (Correct)

<table>
<tr><td>Comprehensive Alteryx Designer Core Exam Practice Tests Set 2</td></tr>
</table>

What is the default data size the Results window displays for most tools?

Options are :

- Up to 1 MB of data. (Correct)
- Up to 2 MB of data.
- Up to 4 MB of data.

Answer :

*Up to 1 MB of data. (Correct)

In Results window, the color-coded bar displays at the top of each column (just below the column header) indicates the quality of the data. Refer to the Results Table info in below link and choose the correct match from below.

https://help.alteryx.com/20212/designer/results-window

Options are :

- Green - Ok: Indicates values with no identified quality issues, for example, leading or trailing whitespace. Yellow - Null: Indicates values that are null, excluding empty values. Red - Not Ok: Indicates values with leading or trailing

white spaces, or embedded new lines. Gray - Partial results: Indicates that the column contains more than 1 MB of data. Diagonal lines - Empty: For string data, indicates values that contain at least 1 string with no values.

- Green - Ok: Indicates values with no identified quality issues, for example, leading or trailing whitespace. Yellow - Null: Indicates values that are null, excluding empty values. Red - Not Ok: Indicates values with leading or trailing white spaces, or embedded new lines. Gray - Empty: For string data, indicates values that contain at least 1 string with no values. Diagonal lines - Partial results: Indicates that the column contains more than 1 MB of data. (Correct)
- Green - Ok: Indicates values with no identified quality issues, for example, leading or trailing whitespace. Yellow - Partial results: Indicates that the column contains more than 1 MB of data. Red - Not Ok: Indicates values with leading or trailing white spaces, or embedded new lines. Gray - Null: Indicates values that are null, excluding empty values. Diagonal lines - Empty: For string data, indicates values that contain at least 1 string with no values.

Answer :

*Green - Ok: Indicates values with no identified quality issues, for example, leading or trailing whitespace. Yellow - Null: Indicates values that are null, excluding empty values. Red - Not Ok: Indicates values with leading or trailing white spaces, or embedded new lines. Gray - Empty: For string data, indicates values that contain at least 1 string with no values. Diagonal lines - Partial results: Indicates that the column contains more than 1 MB of data. (Correct)

An Input Data tool that has 5000 records is connected to the Sample tool. Which configurations of Sample tool will always return only 50 records?

Options are :

- First N% rows is checked and N = 1 (Correct)
- 1 of every N rows is checked and N = 1000
- First N rows is checked and N = 50 (Correct)
- Last N rows is checked and N = 50 (Correct)

Answer :

*First N% rows is checked and N = 1 (Correct)

*First N rows is checked and N = 50 (Correct)

*Last N rows is checked and N = 50 (Correct)

Which of the below expressions are NOT correct to enter a comment in Formula tool expression?

Options are :

- /*comment/*/
- //*comment
- */comment/* (Correct)
- */*comment*/ (Correct)

Answer :

**/comment/* (Correct)

**/*comment*/ (Correct)

Which of the below file types cannot be dragged onto to the canvas to be used as an Input Data?

Options are :

- .txt
- .xlsx
- .csv
- .docx (Correct)

Answer :

*.docx (Correct)

What is the default memory limit for data per anchor that is displayed in result window?

Options are :

- 512 KB
- 2048 KB
- 1024 KB (Correct)

Answer :

*1024 KB (Correct)

Alteryx Designer Core Certification Sample Questions Set 2

Multiple workflows can be saved together as one file and again all those workflows can be opened at once by opening the same file. They are saved as??

Options are :

- Dependent workflows
- Workflow Group (Correct)
- Chained applications
- Workflow chains

Answer :

*Workflow Group (Correct)

Which of the below methods can help in workflow optimization? Select all that apply.

Options are :

- Use the Sample tool on large datasets to limit the number of records passing through the workflow. (Correct)
- Use the Select tool to remove fields that you don't use as early as possible in a stream. (Correct)
- Eliminate the use of Browse tools to reduce the amount of memory used to display the data. (Correct)

Answer :

*Use the Sample tool on large datasets to limit the number of records passing through the workflow. (Correct)

*Use the Select tool to remove fields that you don't use as early as possible in a stream. (Correct)

*Eliminate the use of Browse tools to reduce the amount of memory used to display the data. (Correct)

While joining datasets by specific fields, the Join tool will compare the data types of the fields. Which of the below pair of data types will cause an error if configured in Join tool?

Options are :

- Left Field 1 (Byte) <=> Right Field 1 (String) (Correct)
- Left Field 1 (V_String) <=> Right Field 1 (String)
- Left Field 1 (Int16) <=> Right Field 1 (Double)

Answer :

*Left Field 1 (Byte) <=> Right Field 1 (String) (Correct)

In the Input Data tool, what symbol represents a "space" delimiter?

Options are :

- \space

- \s (Correct)
- _
- s

What is the correct description of the message type that appear on the resulting window?

Options are :

- Errors: A tool was not configured correctly. Conv Errors: Data could not be converted, or data cannot fit in a field. Warnings: Available computer memory is less than the preferred setting, or missing fields were detected. Warnings do not cause workflow failure but should be reviewed. Messages: Workflow was run, or data is flowing through a tool. Files: Links to input, intermediate, or output files. All: (Default) Displays all messages. (Correct)
- Errors: Available computer memory is less than the preferred setting, or missing fields were detected. Conv Errors: Data could not be converted, or data cannot fit in a field. Warnings: . A tool was not configured correctly. Warnings do not cause workflow failure but should be reviewed. Messages: Links to input, intermediate, or output files Files: Workflow was run, or data is flowing through a tool. All: (Default) Displays all messages.

Answer :

*Errors: A tool was not configured correctly. Conv Errors: Data could not be converted, or data cannot fit in a field. Warnings: Available computer memory is less than the preferred setting, or missing fields were detected. Warnings do not cause workflow failure but should be reviewed. Messages: Workflow was run, or data is flowing through a tool. Files: Links to input, intermediate, or output files. All: (Default) Displays all messages. (Correct)

*Errors: Available computer memory is less than the preferred setting, or missing fields were detected. Conv Errors: Data could not be converted, or data cannot fit in a field. Warnings: . A tool was not configured correctly. Warnings do not cause workflow failure but should be reviewed. Messages: Links to input, intermediate, or output files Files: Workflow was run, or data is flowing through a tool. All: (Default) Displays all messages.

In the Input Data tool, what symbol represents a "tab" delimiter?

Options are :

- \t (Correct)
- t
- _
- \tab

Answer :

*\t (Correct)

In an Employee Record dataset the Employee ID field has numeric values as Employee IDs. The Employee IDs range from 10001-29999. Which data type can be used for this field?

Options are :

- Byte
- Int16 (Correct)
- Int32
- Int64

Answer :

*Int16 (Correct)

The memory limit per anchor for the data that is displayed in result window can be changed from which tab under User Settings.

Options are :

- Advanced (Correct)
- Defaults
- Canvas
- Dataset Defaults

Answer :

*Advanced (Correct)

For which of the below Transpose tools, you must select a Method for Aggregating Values in configuration window?

Options are :

- Transpose
- Summarize
- Cross Tab (Correct)

Answer :

*Cross Tab (Correct)

Which of the below has the correct alteryx file type description for the given extension?

Options are :

- .yxmd - Alteryx Database .yxwg - Workflow Group .yxmc - Macro .yxwz - Analytic App .yxzp - Workflow .yxdb - Packaged Workflow .yxft - Field Type
- .yxmd - Alteryx Database .yxwg - Workflow Group .yxmc - Analytic App .yxwz - Field Type .yxzp - Workflow .yxdb - Packaged Workflow .yxft - Macro
- .yxmd - Workflow .yxwg - Workflow Group .yxmc - Macro .yxwz - Analytic App .yxzp - Packaged Workflow .yxdb - Alteryx Database .yxft - Field Type (Correct)

Answer :

.yxmd - Workflow .yxwg - Workflow Group .yxmc - Macro .yxwz - Analytic App .yxzp - Packaged Workflow .yxdb - Alteryx Database .yxft - Field Type (Correct)

Which of the following statements is NOT true about Runtime tab in Configuration window?

Options are :

- All tool containers can be disabled (Correct)
- Disable all Output tools
- All Browser tools can be disabled
- Workflow can be set to stop running upon encountering an error

Answer :

*All tool containers can be disabled (Correct)

In Alteryx Designer, where is the option available to view Metadata of a workflow tool?

Options are :

- Interface Designer window
- Configuration window
- Results window (Correct)
- Overview window

Answer :

*Results window (Correct)

Which is NOT true about tool conversion?

Options are :

- A Browser tool can be converted to a Macro Output tool
- A Browser tool can be converted to an Output Data tool
- A Text Input tool can be converted to a Macro Input tool
- An Input data tool can be converted to an Output Data tool (Correct)

Answer :

*An Input data tool can be converted to an Output Data tool (Correct)

Which is NOT a way to add a tools to tool container?

Options are :

- Select a tool and press Ctrl+Shift+B (Correct)
- Select all the tools that need to be added and drag them all at once inside a tool container
- Right click on a tool and then select Add to New Container

Answer :

*Select a tool and press Ctrl+Shift+B (Correct)

Which of the below tools moves values held in multiple horizontal columns into a single column?

Options are :

- Transpose (Correct)
- Summarize
- Cross Tab
- Count Records

Answer :

*Transpose (Correct)

In order to import all the .csv files placed in a folder using only one Input tool and wildcard, what is the condition that must be true?

Options are :

- All files must contain same number of columns (Correct)
- Column names in all files must match
- All files must contain same number of records

Answer :

***All files must contain same number of columns (Correct)**

In which of the file types, a delimiter may be required to be specified while importing the file to alteryx workflow?

Options are :

- .txt (Correct)
- .xlsx
- .csv

Answer :

***.txt (Correct)**

In which of the below tools, if no Key Column or Data column are selected then those columns are dropped in the outcome data?

Options are :

- Count Records
- Cross Tab
- Summarize
- Transpose (Correct)

Answer :

***Transpose (Correct)**

The Results window displays metadata that contains the characteristics of data that passes in and out of a tool you've selected. Metadata includes Record #, Name, Type, Size, Source, and Description. Which column contains the tool or file that the data came from?

Options are :

- Name
- Type
- Description
- Source (Correct)

Answer :

***Source (Correct)**

Select all that is true about .yxdb file types.

Options are :

- There is no limit to the number of records or file size. (Correct)
- There is a 2^31 limit on the number of records.
- Can hold data fields, values, and spatial objects. (Correct)
- In a 64-bit environment, there is a record size limit of 2GB. (Correct)

Answer :

*There is no limit to the number of records or file size. (Correct)

*Can hold data fields, values, and spatial objects. (Correct)

*In a 64-bit environment, there is a record size limit of 2GB. (Correct)

Which of the following dates is written in default alteryx date format?

Options are :

- 2020-07-25 (Correct)
- 2020/07/25
- 2020-July-25
- 07-25-2020

Answer :

*2020-07-25 (Correct)

Which is of the following functions is not possible in Date Time tool?

Options are :

- Change the data type of an incoming data field (Correct)
- Convert a date time value to a string value
- Convert a date time value to show a day of the week
- Convert a string value to alteryx date format

Answer :

*Change the data type of an incoming data field (Correct)

Which of the below actions will result in an error with Formula tool?

Options are :

- An Input connection is not provided (Correct)
- Expression ends with an operator (Correct)
- Field name is not provided to an expression (Correct)
- + operator is used for two string values
- An Output connection is not provided

Answer :

*An Input connection is not provided (Correct)

*Expression ends with an operator (Correct)

*Field name is not provided to an expression (Correct)

How to navigate to update workflow dependencies?

Options are :

- Options >> User Settings >> Edit User Settings
- Options >> Advanced Options (Correct)
- Options >> View Schedules

Answer :

*Options >> Advanced Options (Correct)

What happens when "Disable All Browse Tools" is selected in Runtime tab in configuration window?

Options are :

- All incoming connections to Browse tools are deleted
- All Browse tools are removed from the workflow
- The Browse tools are grayed out and no data flows to it (Correct)

Answer :

*The Browse tools are grayed out and no data flows to it (Correct)

Which the correct order of shortcut keys to Run the work, Hide/Unhide the Configuration Window, and Hide/Unhide the Result Window?

Options are :

- Ctrl+Alt+R, Ctrl+R, Ctrl+Alt+C
- Ctrl+R, Ctrl+Alt+C, Ctrl+Alt+R (Correct)
- Ctrl+R, Ctrl+Alt+R, Ctrl+Alt+C
- Ctrl+Alt+R, Ctrl+Alt+C, Ctrl+R

Answer :

*Ctrl+R, Ctrl+Alt+C, Ctrl+Alt+R (Correct)

For any output tool, when we select the "Take a File/Table Name From Field" checkbox in configuration window, what all options are available in the dropdown box? Select all that apply.

Options are :

- Append Suffix to File/Table Name (Correct)
- Prepend Prefix to File/Table Name (Correct)
- Change File/Table Name (Correct)
- Append Field Map by Field Name

Answer :

*Append Suffix to File/Table Name (Correct)

*Prepend Prefix to File/Table Name (Correct)

*Change File/Table Name (Correct)

Select all that is true about Saved Expressions.

Options are :

- A Saved Expression can be accessed from the fx button of expression editor
- Designer automatically saves upto 10 recently used expressions (Correct)
- An expression can be saved only from Formula Tool
- A Saved Expression can be accessed from the file button of the expression editor (Correct)

Answer :

*Designer automatically saves upto 10 recently used expressions (Correct)

*A Saved Expression can be accessed from the file button of the expression editor (Correct)

Which statement is NOT true about the Filter tool?

Options are :

- The datatype of the selected field for Basic Filter change will impact the operator list in the dropdown
- The combined total records from Output anchors T and F is the actual records entered in Input anchor
- The Basic Filter can be used for querying only one field
- Saved expressions can be accessed in only other Filter tools (Correct)

Answer :

*Saved expressions can be accessed in only other Filter tools (Correct)

Comprehensive Alteryx Designer Core Exam Practice Tests Set 2

Select all that is true about Find Replace tool.

Options are :

- Find Replace tool works with only string data types (Correct)
- You can replace or append fields (Correct)
- Values in fields provided in Find Within Field and Find Value are case sensitive hence must match by case
- You can search and replace an integer by selecting Entire Field in Find section when the entire field matches

Answer :

*Find Replace tool works with only string data types (Correct)

*You can replace or append fields (Correct)

To which tool multiple inputs can be connected and output can be configured to show result in specific order?

Options are :

- Join
- Join Multiple
- Append Fields
- Union (Correct)

Answer :

*Union (Correct)

For a column with Double data type, what profile information is available in configuration window of a Browser tool? Select all that apply.

Options are :

- Min value (Correct)
- Number of records that contain -ve values
- Variance (Correct)
- Max value (Correct)

Answer :

*Min value (Correct)

*Variance (Correct)

*Max value (Correct)

Alteryx Designer Core Certification Sample Questions Set 1

When Auto Config by Name or Auto Config by Position is selected in Union tool, what options are available in dropdown in Properties >> When Fields Differ? Select all that apply.

Options are :

- Warning - Continue Processing Records (Correct)
- Error - Stop Processing Records (Correct)
- Ignore - Continue Processing Records (Correct)
- Error - Continue Processing Records

Answer :

*Warning - Continue Processing Records (Correct)

*Error - Stop Processing Records (Correct)

*Ignore - Continue Processing Records (Correct)

Which of the following statements is true about Saved Expressions?

Options are :

- A Saved Expression can be saved in expression editor of the Filter Tool and used in Formula Tool (Correct)
- A Saved Expression can be used only in the Tool where it is saved
- Saved expressions can be accessed from the x button of the expression editor

Answer :

*A Saved Expression can be saved in expression editor of the Filter Tool and used in Formula Tool (Correct)

What all operations are possible with the Formula tool? Select all that apply.

Options are :

- Remove duplicate records
- Rename column name
- Convert string to numbers (Correct)
- Apply conditional statements (Correct)
- Convert Date Time in Local System Time Zone to UTC (Correct)

Answer :

*Convert string to numbers (Correct)

*Apply conditional statements (Correct)

*Convert Date Time in Local System Time Zone to UTC (Correct)

Alteryx Designer Core Certification Sample Questions Set 2

Select all that is true for Annotation setting.

Options are :

- You may choose to always show annotation (Correct)

- You may choose never to show annotation (Correct)
- You can choose to show annotation by using canvas setting (Correct)
- You may choose to place the annotation on top of the tool (Correct)
- The system automatically chooses the annotation that is to be displayed for the tool and cannot be edited.

Answer :

*You may choose to always show annotation (Correct)

*You may choose never to show annotation (Correct)

*You can choose to show annotation by using canvas setting (Correct)

*You may choose to place the annotation on top of the tool (Correct)

What all sample types can be selected in Sample Tool? Select all that apply.

Options are :

- Random N% of records
- 1 of every N rows (Correct)
- 1 in N chance to include each row (Correct)
- First N% of rows (Correct)
- Random N records

Answer :

*1 of every N rows (Correct)

*1 in N chance to include each row (Correct)

*First N% of rows (Correct)

How many ways can the Union tool be configured from the configuration window? Select all that apply.

Options are :

- Auto Config by Field Type
- Auto Config by Position (Correct)
- Manually Configure Fields (Correct)
- Auto Config by Name (Correct)

Answer :

*Auto Config by Position (Correct)

*Manually Configure Fields (Correct)

*Auto Config by Name (Correct)

In which of the Join Tools you can set a specific Output Order?

Options are :

- Find Replace
- Union (Correct)
- Join
- Append Fields

Answer :

*Union (Correct)

Which is not a valid sample type to select in Sample Tool?

Options are :

- First N rows
- Last N rows - Group by Column
- Skip first N rows
- Random N records (Correct)

Answer :

*Random N records (Correct)

In which of the Join Tools you can rename a field, change the data type, append a suffix or prefix to the field name?

Options are :

- Join (Correct)
- Union
- Find Replace
- Append Fields (Correct)

Answer :

*Join (Correct)

*Append Fields (Correct)

Which is NOT an Output Option in Properties > When "Fields Differ when Auto Config by Name" is selected in Union tool?

Options are :

- Output All Fields
- Output Common Subset of Fields
- Output Only Common Fields (Correct)

Answer :

*Output Only Common Fields (Correct)

For any output tool, when we DO NOT select the "Take a File/Table Name From Field" checkbox in configuration window, which is not an output option

Options are :

- Overwrite Sheet or Range
- Create New Sheet
- Append Suffix to File/Table Name (Correct)
- Append to Existing Sheet

Answer :

*Append Suffix to File/Table Name (Correct)

For any output tool, when we select the "Take a File/Table Name From Field" checkbox in configuration window, which is not an option in the dropdown box?

Options are :

- Prepend Prefix to File/Table Name
- Overwrite Existing Extract File (Correct)
- Change Entire File Path
- Change File/Table Name

Answer :

*Overwrite Existing Extract File (Correct)

Select all that is true for a Comment Tool

Options are :

- The borders can be dragged to resize (Correct)
- An Image can be browsed and inserted to be used as background (Correct)

- The shape of the Comment Tool can be chosen to be Ellipse, Rectangle, or Rounded Rectangle (Correct)
- A .png file can be dragged onto canvas which will automatically change as a background of a Comment Tool

Answer :

*The borders can be dragged to resize (Correct)

*An Image can be browsed and inserted to be used as background (Correct)

*The shape of the Comment Tool can be chosen to be Ellipse, Rectangle, or Rounded Rectangle (Correct)

Which of the below statements is not true about Comment Tool?

Options are :

- Texts alignment can be updated
- There is no Input or output anchors in a Comment Tool but inserted texts can be viewed in result window (Correct)
- The background color can be updated
- The font color, style, size etc. can be updated

Answer :

*There is no Input or output anchors in a Comment Tool but inserted texts can be viewed in result window (Correct)

Which of the following statements is NOT true about Result window?

Options are :

- All the records along with the headers from both Metadata and Data can be copied and pasted into an Excel file
- Values can be manually updated (Correct)
- Records can be filtered and sorted

- All the records along with the headers from both Metadata and Data can be copied and pasted into any editable file

Answer :

*Values can be manually updated (Correct)

Which all actions mentioned below are possible in Text to Column tool? Select all that apply.

Options are :

- Specify the number of columns that should be created (Correct)
- Keep the delimiter in the output column (Correct)
- Parse column with a string datatype (Correct)
- Error when extra characters are found after placing data in separate columns as specified
- Parse column with a numeric datatype

Answer :

*Specify the number of columns that should be created (Correct)

*Keep the delimiter in the output column (Correct)

*Parse column with a string datatype (Correct)

Which action cannot be performed using a Formula tool?

Options are :

- Renaming a field name
- Creating a new field
- Changing the data type of a field from string to date and time
- Remove records that contains duplicate values in a particular field (Correct)

Answer :

*Remove records that contains duplicate values in a particular field (Correct)

For a column with V_String data type, what profile information is available in configuration window of a Browser tool? Select all that apply.

Options are :

- Data type size (Correct)
- Number of records that has more than one word
- Records count (Correct)
- Data type (Correct)

Answer :

*Data type size (Correct)

*Records count (Correct)

*Data type (Correct)

Download dataset from the below link and calculate the average score of top 10 scorers in 2019.

https://www.technobi.org/wp-content/uploads/2021/06/AverageScoreDataSet.xlsx

Options are :

- 47.8
- 41.4
- 75.5 (Correct)
- 75.8

Answer :

*75.5 (Correct)

Download dataset from below link that contains a sports league data in 12 different categories. The dataset has year-wise details of champions in each category. Which are the last three countries in the list of champions combined in all categories over the years.

https://www.technobi.org/wp-content/uploads/2021/07/Champion-Country.xlsx

Options are :

- USA, China, Germany
- France, Russia, United Kingdom (Correct)
- Australia, United Kingdom, Russia

Answer :

*France, Russia, United Kingdom (Correct)

Download the dataset from the below link. The dataset has details of Order IDs and their first order dates. How many new orders were placed between 2012-01-01 and 2019-01-01? Include both the dates in the range selection.

https://www.technobi.org/wp-content/uploads/2021/07/How-Many-New-Orders-Placed-2.xlsx

Options are :

- 31 (Correct)
- 112
- 30

Answer :

*31 (Correct)

Download the dataset from the link below. The data are placed in two rows. Rearrange the data to display in columns. How many unique records are generated excluding headers (Order IDs/Date of First Order)?

https://www.technobi.org/wp-content/uploads/2021/07/How-Many-New-Orders-Placed-2.xlsx

Options are :

- 112 (Correct)
- 11798
- 113

Answer :

*112 (Correct)

In the dataset provided in below link, Order IDs start with CA or US. Which is the earliest Order that was placed that starts with US?

https://www.technobi.org/wp-content/uploads/2021/07/How-Many-New-Orders-Placed-2.xlsx

Options are :

- US-118038 (Correct)
- US-152366
- CA-115742

Answer :

*US-118038 (Correct)

In the dataset given in below link, how many orders were placed on or after 2001-01-01 and on or before 2019-01-01 for which Order IDs do not start with US?

https://www.technobi.org/wp-content/uploads/2021/07/How-Many-New-Orders-Placed-2.xlsx

Options are :

- 69 (Correct)
- 85
- 16

Answer :

*69 (Correct)

Download the dataset from the below link. The dataset contains data pertaining to car sales. The Extended Warranty column shows if customers opted for an extended warranty or not. If extended warranty is opted and the field is marked as "Yes", the Sales Price will increase by another 8%. Calculated the sum of the new total Sales Price after considering the extended warranty.

https://www.technobi.org/wp-content/uploads/2021/07/Car-sales.xlsx

Options are :

- 5346678.52 (Correct)
- 5195081
- 5346687.52

Answer :

*5346678.52 (Correct)

Download the dataset from the below link. The dataset contains data pertaining to car sales. The Extended Warranty column shows if customers opted for an extended warranty or not. If extended warranty is opted and the field is marked as "Yes", the Sales Price will increase by another 8%. Insurance is 2.5% of the new Sales Price after considering extended warranty but if extended warranty is not opted, insurance is 3% of the new Sales Price after considering extended warranty. Calculated the average of the new total Sales Price after considering the insurance cost.

https://www.technobi.org/wp-content/uploads/2021/07/Car-sales.xlsx

Options are :

- 85888.22 (Correct)
- 83541.85
- 88588.22

Answer :

*85888.22 (Correct)

Download the dataset from the below link. The dataset contains data pertaining to car sales. The Extended Warranty column shows if customers opted for an extended warranty or not. If extended warranty is opted and the field is marked as "Yes", the Sales Price will increase by another 8%. Insurance is 2.5% of the new Sales Price after considering extended warranty but if extended warranty is not opted, insurance is 3% of the new Sales Price after considering extended warranty. Calculated the difference of the sums of the new total Sales Price before and after considering the insurance cost (First calculated the total sales price after considering the extended warranty and then insurance).

Options are :

- 150167.52 (Correct)
- 150176.25
- 5496846.04

Answer :

*150167.52 (Correct)

Download the datasets from the below two links. The datasets contain details of Visitors' names, number of visits, and whether visited last year or not, to Disney Land and Essel World. Few visitors have visited both the places. For all visitors in Disney Land data who visited both the places but not visited last year, calculate the sum total of visits by all visitors.

https://www.technobi.org/wp-content/uploads/2021/07/Disney-Land.xlsx

https://www.technobi.org/wp-content/uploads/2021/07/Essel-World.xlsx

Options are :

- 206 (Correct)
- 392
- 825

Answer :

*206 (Correct)

Download the datasets from the below two links. The datasets contain details of Visitors' names, number of visits, and whether visited last year or not, to Disney Land and Essel

World. Few visitors have visited both the places. From all visitors in Disney Land data who visited last year but never visited Essel World, calculate the average number of visits.

https://www.technobi.org/wp-content/uploads/2021/07/Disney-Land.xlsx

https://www.technobi.org/wp-content/uploads/2021/07/Essel-World.xlsx

Options are :

- 4 (Correct)
- 9
- 5

Answer :

*4 (Correct)

Download the datasets from the below two links. The datasets contain details of Visitors' names, number of visits, and whether visited last year or not, to Disney Land and Essel World. Few visitors have visited both the places. Calculate the the total number of visitors in Disney Land data who visited last year.

https://www.technobi.org/wp-content/uploads/2021/07/Disney-Land.xlsx

https://www.technobi.org/wp-content/uploads/2021/07/Essel-World.xlsx

Options are :

- 259 (Correct)
- 392
- 206

Answer :

***259 (Correct)**

Download the dataset from the below link. The dataset has details of customers' spend. Calculate the average spend in 2017 where the number of visits is greater than or equal to 5.

https://www.technobi.org/wp-content/uploads/2021/07/CorePractical-Q3.xlsx

Options are :

- 3958.5 (Correct)
- 23750.83
- 1826.96
- 3344.61

Answer :

***3958.5 (Correct)**

Download the dataset from the below link. The dataset contains details of customers' visit and spend. Identify the top spend in 2019.

https://www.technobi.org/wp-content/uploads/2021/07/CorePractical-Q3.xlsx

Options are :

- 34934.86
- 21346.26 (Correct)
- 38.15

Answer :

***21346.26 (Correct)**

Download the dataset from the below link. Identify the year in which highest number of visits occurred.

https://www.technobi.org/wp-content/uploads/2021/07/CorePractical-Q3.xlsx

Options are :

- 2018
- 2012 (Correct)
- 2017
- 2019

Answer :

*2012 (Correct)

Download dataset from the below link. The dataset has details of appliances and their cost. Identify the top 10 Sales Cost for Kitchen Items and calculate the median.

https://www.technobi.org/wp-content/uploads/2021/07/Practical-Home-Appliances.xlsx

Options are :

- 104,500
- 154,000 (Correct)
- 49,500

Answer :

*154,000 (Correct)

Download dataset from the below link. The dataset has details of appliances and their cost. Identify the top 5 Sales Cost for each Product Type and calculate the total Sales Cost of all the products together.

https://www.technobi.org/wp-content/uploads/2021/07/Practical-Home-Appliances.xlsx

Options are :

- 1,850,190
- 1,085,190 (Correct)
- 8,547,354
- 679,575

Answer :

*1,085,190 (Correct)

Download dataset from the below link. The dataset has details of appliances and their cost. Identify the top 5 Sales Cost for each Product Type and calculate the Average Cost of each of those product types.

https://www.technobi.org/wp-content/uploads/2021/07/Practical-Home-Appliances.xlsx

Options are :

- Computers: 58,400 Kitchen Items: 158,400 Television: 238 (Correct)
- Computers: 58,000 Kitchen Items: 158,000 Television: 237
- Computers: 54,800 Kitchen Items: 154,800 Television: 283

Answer :

*Computers: 58,400 Kitchen Items: 158,400 Television: 238 (Correct)

Download the dataset from the below link. This air traffic data has details of name of the airlines, the city of origin, destination, and distance covered etc. Identify the name of the airline that originated highest number of times from Miami, FL. Find out what is the highest distance covered by that airline originating from Miami, FL.

https://www.technobi.org/wp-content/uploads/2021/07/Air-Traffic-Data.xlsx

Options are :

- 4462 (Correct)
- 7487
- 10201
- 8971

Answer :

*4462 (Correct)

Download "Store data1" from below link.

https://www.technobi.org/wp-content/uploads/2021/07/Store-data.1.xlsx

Download "Store data2" from below link.

https://www.technobi.org/wp-content/uploads/2021/07/Store-data.2.xlsx

Download "Store data eligible for discount" from below link.

https://www.technobi.org/wp-content/uploads/2021/07/Store-data-eligible-for-discount.xlsx

Store data1 and Store data2 has details of number of Bags, Purses, and Hats sold. "Store data eligible for discount" has details of the products that were sold on particular dates

that are eligible for a discount. The discount is given to orders that sold 3 or more purses. How many orders are eligible for a discount?

Options are :

- 10 (Correct)
- 11
- 15

Answer :

*10 (Correct)

Where is the option available to disable all Browse and Output Data tools?

Options are :

- Configuration Window >> Runtime tab (Correct)
- Options Menu >> User Settings >> Edit User Settings
- Configuration Window >> Workflow tab

Answer :

*Configuration Window >> Runtime tab (Correct)