

Alteryx Training

Keyrus offers a
variety of Alteryx
Training Solutions

**delivered by
certified experts**



keyrus
make data matter

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Keyrus' Alteryx training programs cover a wide range of topics, including data preparation, blending, and analysis, as well as predictive analytics and reporting.

Participants will gain hands-on experience through a combination of exercises and real-world use cases and will learn best practices that can be applied to their day-to-day work.



We offer flexible training options, including onsite, remote, and self-paced training, which allows companies to choose the most convenient and effective learning method for their team.

By choosing Keyrus as their Alteryx training partner, companies can benefit from a trusted and reliable provider that has been officially recognized by Alteryx as meeting the highest standards of quality and expertise in delivering Alteryx training.



Alteryx Core Concepts



Beginner Level



2 Days

Learn how to use all the favourite tools to input, cleanse, transform and output your data.



What?

Alteryx is a platform that allows you to create end to end automation of analytics, machine learning and data science processes that accelerate your ability to gain insights from your data.



How?

Learn how to use the drag and drop visual workflow with 60+ tools. With demonstration workflows, exercises and group discussions.



Why?

Alteryx is an easy-to-use platform that allows you to create workflows to scale data preparation and analytic processes. Not only does it allow you to process data automatically but with advanced capabilities

Knowledge and Technical Requirements



No prior knowledge required



Alteryx Designer Desktop Licensed and Installed

Alteryx Core Concepts



Beginner Level



1 Day

Learn how to use all the favourite tools to input, cleanse, transform and output your data.



What?

Alteryx is a platform that allows you to create end to end automation of analytics, machine learning and data science processes that accelerate your ability to gain insights from your data.



How?

Learn how to use the drag and drop visual workflow with 60+ tools.

In this 1 Day Course, some aspects learnt in the 2 Day Course will not be covered, with less demonstrations, exercises and discussions.



Why?

Alteryx is an easy-to-use platform that allows you to create workflows to scale data preparation and analytic processes. Not only does it allow you to process data automatically but with advanced capabilities

Knowledge and Technical Requirements



No prior knowledge required



Alteryx Designer Desktop Licensed and Installed



Core Certification



Beginner Level



2 Days

Learn how to study for and undertake Alteryx's Core Certification exam(s).



What?

Alteryx allows users to prove their abilities via an industry recognised certification, Alteryx Designer Core Certification can be undertaken as one exam format, or as four short format exams, building confidence through the process.



How?

In this course, our Alteryx Certified trainers will guide you through the process for learning and taking the exam(s) to gain your Core Certification.



Why?

Core Certification is the first step in Alteryx Certification, proving your skills and development from day-to-day usage of the software.

Knowledge and Technical Requirements



No prior knowledge required



Alteryx Designer Desktop Licensed and Installed



Control Containers



Beginner Level



2 Hours

Learn how to unleash the power of Control Containers.



What?

Control Containers can be used to manage the sequence in which tools in your workflow are triggered, it also allows you to use the information on the tools being run. Which allows users to build more dynamic and complex processes fed by the execution information.



How?

Learn how to configure Control Containers to provide you with vital information about your workflow. In this session, you will discover the capabilities of this tool and expand the complexity of your workflows.



Why?

Alteryx is a platform that allows you to work with large scale data sources, Control Containers adds an extra tool to control the order and flow, and to learn from the successes and failures of your workflow runs.

Knowledge and Technical Requirements



No prior knowledge required



Alteryx Designer Desktop Licensed and Installed



Analytic Apps and the Gallery



Intermediate Level



2 Hours

Learn how to develop Analytic Apps using your existing workflows and discover how to utilize Apps on your desktop as well as in the Alteryx Gallery.



What?

Analytic Apps are workflows which utilize user interface tools to enable users to customise a workflow before running it. Making workflows more dynamic and granting the ability to self-serve.



How?

Analytic Apps can be created from a new or existing workflow and can be uploaded and run in both the Public Alteryx Analytics Gallery or your own private or company gallery.



Why?

Analytic Apps allow you to streamline and automate a process, which in turn allows users both public and private to self-serve and use within the Gallery. Giving you back time once used by repetitive requests for information.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Access to Public or Organisational Alteryx Gallery



APIs and the Download Tool



Intermediate Level



2 Hours

Learn how to add value to your workflows using APIs and the Download tool.



What?

APIs allow you to gather data from online sources, such as websites, online portals for your internal systems and many others.



How?

Using APIs you can bring your data together with other sources, such as open-source information, links to your own in-house systems and many others to add value to your workflows.



Why?

APIs allow you to query other sources, such as your cloud solutions for HR, Payroll or sales, and use Alteryx to create repeatable workflows which blend data from different systems together into a single process.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Completion of Core Concepts advised



Alteryx Designer Desktop Licensed and Installed



Standard and Batch Macros



Intermediate Level



2 Hours

Learn how to build two of the three types of Macros and how to incorporate them into your workflows.



What?

Macros consist of groups of tools, or a workflow, which can be saved as a custom tool and inserted into your workflows.



How?

Macros can be created by building a workflow and user interface tools, or by selecting a portion of an existing workflow to make into a new workflow.



Why?

Macros allow you to save an analytic process that is performed repeatedly, which can be inserted into a workflow, negating the need to recreate a process many times.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Understanding of Interface Tools



Completion of Core Concepts advised



Alteryx Designer Desktop Licensed and Installed



Parsing



Intermediate Level



2 Hours

Learn how to Parse your data using the various techniques such as Text to Column and basic RegEx.



What?

Parsing tools allow you to convert data from one format to another, to extract information from large strings and is widely used for structuring data or making existing unstructured data more comprehensive.



How?

Parsing tools can be used to transform unstructured data from range of sources, such as raw HTML, to transform it into a readable format that can be easily understood.



Why?

Parsing allows you to create a workflow that can be run repeatedly, as and when required, to cleanse data. Saving you time in situations where unstructured data is used frequently.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Completion of Core Concepts advised



Alteryx Designer Desktop Licensed and Installed



Reporting



Intermediate Level



2 Hours

Learn how to create shareable reports, using best practices and how to utilize batch reporting functions.



What?

Reporting tools allow you to create reports that can be used to export your data in consumable formats such as PDF and Email, incorporating logos, charts, tables and maps.



How?

Reporting can be created from an existing workflow with an output that would result in an analytic report, including graphs, tables and maps, including text and images, all created using the suite of Reporting tools.



Why?

Reporting allows you to use common data streams to automate the output for circulation. They can be used to replace reports currently created within Excel and can be tailored to suit your branding needs.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Completion of Core Concepts advised



Alteryx Designer Desktop Licensed and Installed

Spatial Analytics



Intermediate Level



2 Hours

Learn how to use the Spatial toolset to create points, generate radii, calculate distance and discover spatial relationships.



What?

Spatial tools allow you to analyse the locations, relationships, attributes and proximities in geospatial data.



How?

Spatial tools can be used within a workflow to explore, model, compare and predict using your spatial data. Datasets can be merged to find common locations, intersections, determine travel time and create heat maps to display data in a variety of ways.



Why?

Spatial tools allow you to use your data to create and leverage value by analysing the geospatial attributes and compare against other external datasets.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Completion of Core Concepts advised



Alteryx Designer Desktop Licensed and Installed



RegEx Parsing



Intermediate Level



2 Hours

Learn how to improve your parsing skills, with Regular Expressions (RegEx).



What?

RegEx is the language used to parse structured data from unstructured data.



How?

Learn about RegEx and its syntax, the tools used to deploy them and other advanced parsing techniques with hands-on demonstrations, exercises and group discussion.



Why?

RegEx allows us to work with the data we receive from other sources or legacy systems in unstructured formats, allowing you to make this data meaningful in a repeatable way.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Knowledge of Regular Expressions Language

Fuzzy Matching



Intermediate Level



2 Hours

Learn the basics of Fuzzy Match processes, along with optimization techniques.



What?

Fuzzy Matching is a process that enables the identification of duplicates or matches that are not identical.



How?

Learn about the science of Fuzzy Matching, with pre-configured Match Styles, the art and custom configuration as well as tips & tricks. With hands-on demonstrations, exercises and group discussion.



Why?

Fuzzy Match allows you to look at your current and older data and create meaningful analysis from non-identical matches, to join your data to external data using what you have available when no obvious join exists.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Completion of Core Concepts advised



Alteryx Designer Desktop Licensed and Installed

Intelligence Suite: Text Mining



Intermediate Level



2 Hours

Learn the newest suite of tools, import PDF documents, learn about Text Mining and create word clouds.



What?

Alteryx Intelligence Suite offers Text Mining capabilities via Preparation, Insights and Visualization tools.



How?

Learn about the Text Mining tools within Intelligence Suite to extract information from many sources, including the ability to extract data from PDF documents.



Why?

Text Mining allows us to take large amounts of unstructured qualitative data and identify textual patterns to use data meaningfully.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Intelligence Suite Licensed and Installed

Intelligence Suite: PDF Reader



Intermediate Level



2 Hours

Learn how to use the Computer Vision toolkit to input, process, analyse and then output images.



What?

Use the Computer Vision toolkit to extract data held within PDF files.



How?

Learn how to input, analyse and extract parse data from PDF files within Alteryx.



Why?

Computer Vision tools allow you to take information from flat image and PDF files and extract the value from it. Often we receive information in these formats and spend time inputting it to our systems, or simply lose its value.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Intelligence Suite Licensed and Installed

Intelligence Suite: Machine Learning



Intermediate Level



2 Hours

Learn how to build predictive models from your data for faster, better analysis.



What?

Use the Machine Learning toolkit to create predictive models to better understand your data.



How?

Learn about the principles of Machine Learning, how to leverage AI to learn from your data.



Why?

Machine Learning tools allow you to add extra value to your data, with regression you can identify trends to make predictions, with assisted modelling, Alteryx allows you to identify the best fit model for your data.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Intelligence Suite Licensed and Installed



Appreciation of Statistical Concepts



Alteryx Predictive Tools Installed



Dynamic Workflows



Intermediate Level



2 Hours

Learn the theories behind making your workflows more dynamic.



What?

Dynamic Parameters allow us to automate selection based on established conditions to remove the need for any external intervention on the code.



How?

Learn how to automate dynamic selection, interactions with interface tools, have a better knowledge of developer tools and the creation of batch macros.



Why?

Dynamic Workflows allow you to create repeatable processes by spending the time up front in development, removing the requirement for repetitive manual processes.

Knowledge and Technical Requirements



Good Understanding of using Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Understanding of Interface Tools



Use of Batch Macros or completion of Standard and Batch Macros Training

Advanced Analytics



Advanced Level



2 Hours

Learn how to use the Predictive toolset to model, evaluate and predict using your data.



What?

Predictive tools allow you to analyse your data and create predictions for your business with a variety of contributing factors.



How?

Predictive tools can be used to create a variety of predictive models such as Scatterplots, Plot of Means, Frequency Table and Association Analysis. This analysis can help your business to create targeted advertisements, predict future revenues and make business decisions.



Why?

Predictive tools allow you to use your existing data to create predictive models, giving you the opportunity to identify trends and aid in planning for growth and change.

Knowledge and Technical Requirements



Advanced user of Alteryx



Alteryx Designer Desktop Licensed and Installed



Completion of Core Concepts advised



Alteryx Predictive Tools



Iterative Macros



Advanced Level



2 Hours

Learn how to create an Iterative macros which allows you to loop your workflow.



What?

An iterative macro is a process that runs a specified number of times or until a defined condition is met.



How?

Macro tools can be used to further program your workflows to automate a process including looping a process a specified number of times or until a defined condition is met.



Why?

Macros are incredibly versatile due to their customizable features; they can allow highly repetitive processes to be run quickly and consistently based on programmed rules.

Knowledge and Technical Requirements



Advanced user of Alteryx



Completion of Core Concepts or Core Certification advised



Alteryx Designer Desktop Licensed and Installed



User of Macros and awareness of Interface Tools

Macros With R



Advanced Level



2 Hours

Learn how to create Macros using the R language



What?

Using Macros with R code can expand the capabilities of your macros, allowing you to send messages, create static R graphics and create user interfaces.



How?

Learn about R Tool Inputs and Outputs, reading and writing R objects, writing out plots, messages and metadata.



Why?

Using R within your macros in Alteryx Designer, allows you to expand functionality, speed up workflows and improve processing.

Knowledge and Technical Requirements



Advanced user of Alteryx



Completion of Core Concepts or Core Certification advised



Alteryx Designer Desktop Licensed and Installed



User of Macros and awareness of Interface Tools

Server Gallery Administration



Advanced Level



4 Hours

Learn how to navigate and administrate the Gallery, Server.



What?

Alteryx Server allows you to publish workflows, schedule reporting and enable self-service with the wider organisation who may not have Alteryx Designer.



How?

Learn to administer the Alteryx Server and Gallery, defining user groups, configuring connections and scheduling workflows.



Why?

Alteryx Server allows Alteryx Designer workflows to be published, scheduled, administered, secured, and monitored. It also provides a way for users to run and interact with workflows built by other users.

Knowledge and Technical Requirements



Advanced user of Alteryx



Completion of Core Concepts or Core Certification obtained



Alteryx Designer Desktop Licensed and Installed



Alteryx Gallery Curator Access

Predictive Tools



Advanced Level



2 Hours

Learn how to perform predictive analytics, using real-world scenarios to train and build models.



What?

Predictive analytics is a type of data analysis that uses statistics, data science, machine learning and other techniques to predict what will happen in the future. Alteryx has a suite of tools for this.



How?

Learn how to use tools such as Association Analysis, Field Summary, Scatterplot, Linear Regressions and Time Series tools to create and compare multiple predictive models.



Why?

Predictive analytics models are used to forecast many situations such as inventory, resources or other wider indicators. It is valuable to all industries and Alteryx allows you to use your data to create predictive models.

Knowledge and Technical Requirements



Advanced user of Alteryx



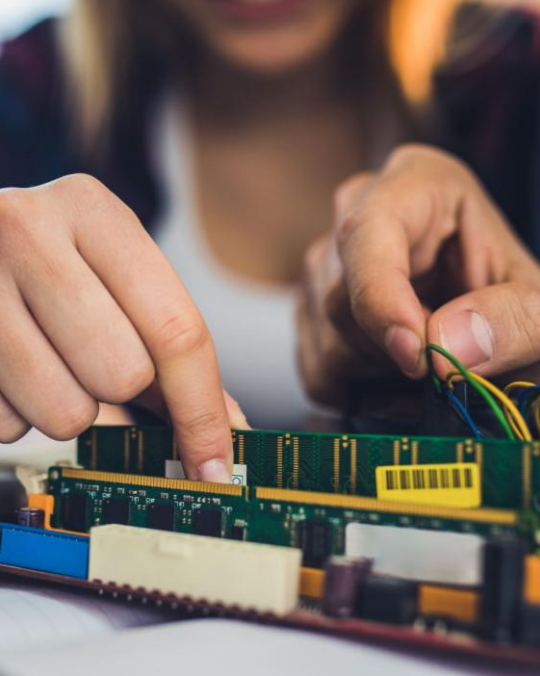
Intelligence Suite Licensed and Installed



Completion of Core Concepts or Core Certification obtained



Alteryx Predictive Tools



Server Gallery Admin for IT/Admin Staff



Advanced Level



1 Day

Learn how to navigate and administrate the Gallery, Server Architecture and scalability, support and install.



What?

Alteryx Server allows you to publish workflows, schedule reporting and enable self-service with the wider organisation who may not have Alteryx Designer.



How?

Learn to administer the Alteryx Server and Gallery, defining user groups, configuring connections, scheduling workflows. As well as understand the underlying architecture of the Alteryx Server and how to Install and Scale.



Why?

Alteryx Server allows Alteryx Designer workflows to be published, scheduled, administered, secured, and monitored. It also provides a way for users to run and interact with workflows built by other users.

Knowledge and Technical Requirements



Advanced user of Alteryx



Completion of Core Concepts or Core Certification obtained



Alteryx Designer Desktop Licensed and Installed



Alteryx Gallery Curator Access

Thanks!

