

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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AlterYX

Introduction to Alteryx

- Overview of Alteryx and its capabilities
- Benefits of using Alteryx for data analytics and automation
- Introduction to Alteryx Designer and Alteryx Server

Getting Started with Alteryx

- Installing Alteryx Designer and Alteryx Server
- Navigating the Alteryx Designer interface
- Understanding workflows and tools in Alteryx

Data Input and Output

- Importing data into Alteryx from various sources (Excel, CSV, databases)
- Outputting data from Alteryx to different formats and platforms
- Data profiling and initial data exploration in Alteryx

Data Preparation and Cleaning

- Data cleansing techniques (removing duplicates, handling missing values, data type conversion)
- Text parsing and manipulation using Alteryx functions
- Spatial data processing and analysis

Data Blending and Joins

- Joining and blending data from multiple sources in Alteryx
- Configuring join types (Inner join, Left join, Right join, Outer join)
- Union and append operations for combining data sets

Data Transformation and Enrichment

- Transforming data with Alteryx tools (Filter, Formula, Summarize, etc.)
- Spatial analytics and geospatial processing
- Advanced data cleansing and outlier detection

Predictive Analytics with Alteryx

- Introduction to predictive analytics capabilities in Alteryx
- Building predictive models (regression, classification) with tools like Predictive tools and R-based tools
- Model validation and evaluation in Alteryx

Spatial Analytics

- Spatial data processing and analysis using Alteryx Spatial tools
- Mapping and visualizing spatial data
- Geocoding and reverse geocoding

Advanced Analytics and Reporting

- Time-series analysis and forecasting with Alteryx tools
- Creating interactive reports and dashboards
- Integrating Alteryx with BI tools like Tableau or Power BI

Workflow Automation

- Building and scheduling automated workflows in Alteryx Server
- Using macros for reusable workflows and automation
- Monitoring and managing workflows in Alteryx Server Gallery

Integration and Extensibility

- Integrating Alteryx with other systems and applications (APIs, web services)
- Extending functionality with Python and R tools in Alteryx
- Customizing workflows and tools in Alteryx Designer

Governance and Security

- Implementing data governance policies in Alteryx
- Managing user roles and permissions
- Data security best practices in Alteryx

Best Practices and Performance Optimization

- Best practices for efficient workflow design in Alteryx
- Optimizing performance and scalability
- Troubleshooting and debugging workflows in Alteryx

Case Studies and Real-World Applications

- Examining successful use cases of Alteryx across industries (e.g., healthcare, finance, retail)
- Learning from industry best practices and implementations

Career Development

- Overview of Alteryx certification programs
- Tips for preparing and passing Alteryx certification exams
- Career paths in data analytics and automation with Alteryx