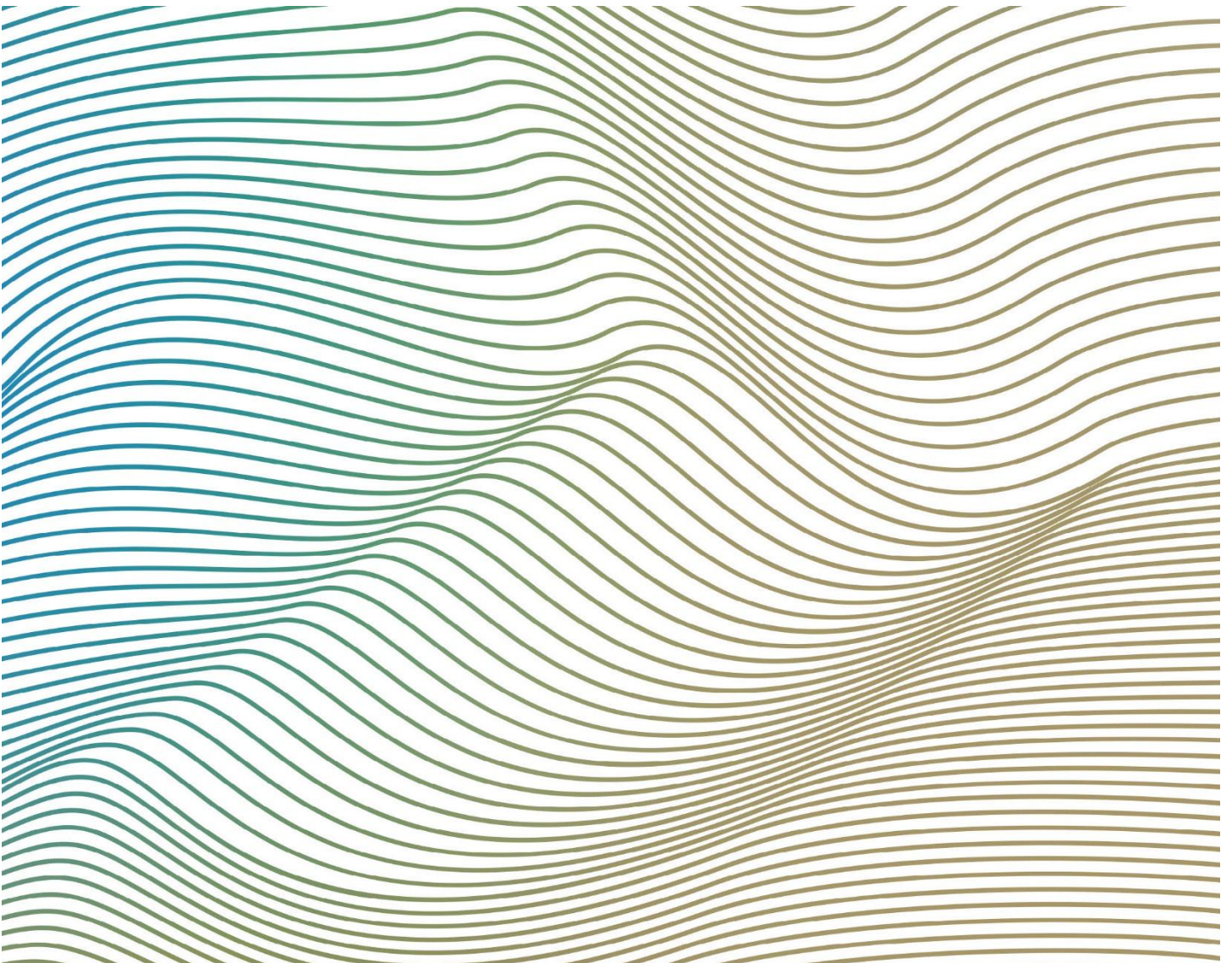# Alteryx Foundation Micro-Credential Exam Prep Guide

Start Your Analytics Superhero Journey Here

The world is full of dirty data and complex problems. Luckily, there are analytic superheroes like you who harness their Alteryx powers for good. Whether you are brand-new or a seasoned veteran, the Alteryx Certification Program provides you with ways to continue learning and a place to prove your Alteryx analytic skills. The Alteryx Foundation Micro-Credential is a great place to begin for those who are not ready for the comprehensive Designer Core Certification but want to demonstrate a foundational understanding of data analytics and basic Designer functionality.

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Exam Overview

The Alteryx Foundation Micro-Credential tests your knowledge of data analytics concepts and key Designer functionality. In the exam, you identify data types and data formats; the basic elements of Alteryx Designer; and associate commonly used tools with their functionality.

AUDIENCE: Everyone with an Alteryx Community profile AND a **Basic Designer** package. The Viewer and Starter packages do not include the required tools to prepare for this exam.

EXPERIENCE LEVEL: Beginner

PRICE: Free

EXAM TYPE: Online, on demand

TIME ALLOTTED: 1 hour

VERSION: The exam tests on the latest version of Desktop Designer **with the Alteryx Multi-threaded Processing (AMP) Engine disabled**.

ATTEMPTS: 1 attempt every 7 days

QUESTIONS: 40

QUESTION TYPES: Multiple choice and multiple-response

POINT VALUES: 1 point for multiple-choice and multiple-response questions. Partial credit is awarded for multiple-response questions ("Select all that apply").

ALLOWED RESOURCES: This exam is "open book," and we encourage you to be familiar with resources that are permitted for use during the exam: content on Alteryx Community, Alteryx Help Documentation, and information on public websites, as well as sample workflows and other in-Designer resources.

PROHIBITED RESOURCES: You may not receive assistance from another person, allow another person to take the exam on your behalf, plagiarize any exam answers, or use unauthorized publications of exam answers. Review the Alteryx Certification Agreement and Policies for more details.

RECERTIFICATION: The Alteryx Foundation Micro-Credential expires after 2 years. To renew your certification, you must retake the exam. If you become Core certified after you receive the Foundation Micro-Credential, this will not renew your Foundation Micro-Credential.

> The Alteryx Foundation Micro-Credential exam is designed to help you prove and **improve** your knowledge: it is free, online, on demand, and open book.

Exam Outline

The exam measures your knowledge and skills related to the following objectives:

I. Basic Data Analytics (35%)

1. Recognize and compare structured and unstructured data formats.
2. Describe what data of different types can be used for and recognize file extensions.
3. Identify characteristics of quantitative versus qualitative data.
4. Define the types of data fields.
5. Describe and compare the following data types: strings, integers, fixed decimal, floating point, Boolean, dates/times, and recognize the impact of data types on operations.
6. Recall the concept of metadata, its importance, and how it is used.
7. Identify and compare basic statistical measures, including their respective strengths and weaknesses for describing data.

II. Basics of Alteryx Designer (65%)

1. Identify the Designer user interface elements and explain the function of each element.
2. Recall how to locate appropriate help resources within Designer.
3. Navigate the components of a workflow.
4. Manage Designer workflows.
5. Recognize Designer-specific file types and when they should be used.
6. Identify the following Designer tools by their names or icons and associate each tool with its functionality: Browse, Input Data, Output Data, Text Input, Data Cleansing, Filter, Formula, Sample, Select, Sort, Text to Columns, Summarize, Comment, Tool Container, Join, Union, DateTime.
7. Demonstrate familiarity with unique aspects of the Designer user interface.

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Steps to Certification Success

LEARN

1. Begin with the interactive lesson Defining Data. This lesson eases you into a deeper understanding of what counts as data.

2. Start working through the Getting Started Learning Path. The interactive lessons and hands-on exercises immerse you in the world of Designer. Focus on the first two sections, up to and including Practice Exercise 2.

3. For the tools listed in the exam outline above, review the functionality and configurations with the One Tool Examples in Designer. (Select any tool in the Tool Palette and select **Open Example**.). The details are important!

4. Identify the Designer user interface elements and explain the function of each element. Review the exam outline to understand exactly what is on the exam, gauge your current skill level, and identify areas where you need to brush up.

PREPARE

5. Use your new skills to solve 1 to 2 Weekly Challenges. Start with beginner challenges from the preparation, analysis, parsing, and cleansing categories (see pages 7-8 for suggestions). If you get stuck, review how others solved the challenge and learn from their expertise.

6. Become comfortable working in Designer! Find or create simple data sets and bring them into a workflow. Explore tool configurations, the Results window, the Workflow-Configuration window, and search for tools and help.

TEST

7. Take the exam. Do not worry if you do not pass on your first try. If necessary, refine your skills over the following 7 days and then retake the exam. Passing the exam is not the end—it is just the beginning. To continue your certification journey, become Core Certified, share your knowledge on the Alteryx Community, or join a User Group.

Test Tips

Read Carefully

Read each question carefully before you answer. The details matter! Read twice and solve once.

Use Your Resources

Search for answers using Alteryx Community, Help documentation, and internet browsers.

Pace Yourself

Spend up to 90 seconds on each question. If you finish early, go back and check your answers. Use the full hour.

Answer Every Question

In the exam platform, use the **Bookmark** feature to flag questions you would like to come back to and review later. Select **See all questions** to review all unanswered and bookmarked questions.

Reflect, Review, Refine

After the exam, reflect on the tools and topics that you were unsure about. Review the category results you receive at the end of the exam. Refine your skills and never stop learning.

Exam Prep Resources

Interactive Lessons: Defining Data

The Defining Data lesson defines data to demystify exactly what counts as data these days. In this lesson, you examine common filetypes and datatypes before touching on metadata. You also review common visualizations and the benefits they provide for sharing your findings. This lesson is a cornerstone of understanding basic data analytics.

Getting Started Learning Path

The Getting Started Learning Path is a guided curriculum that helps you go from zero to Alteryx Designer superhero! Interactive lessons, articles, and hands-on activities allow you to build your knowledge and apply your skills. For the Foundation Micro-Credential, focus on Parts 1 and 2, up to and including Practice Exercise 2.

Core Prep Video Series

The Core Prep Video Series includes 4 training videos that cover exam tools and concepts and gives you a sneak peek at the exam platform and what to expect on exam day. Focus on Part 1 and Part 2 to prepare for the Foundation Micro-Credential.

- Part 1: Inputs, outputs, data types, and workflow foundations
- Part 2: Prepping and blending data

Weekly Challenges

Weekly Challenges are a great way to put your skills into action and prepare for the practical application questions on the exam. There are over 300 Weekly Challenges organized by skill level and topic. Try to solve the challenge on your own first; if you get stuck, look at how others solved it and learn from their expertise. To become familiar with some of the basic tools in Designer, review and solve the following challenges:

- Unofficial Holidays
- Where There's a Whale There's a Way
- Elapsed Classroom Times
- Eurovision
- Where is the party?

- [Hotel Reservations](#)
- [Relatively Old](#)
- [Aggregate Consumer Purchases](#)
- [Data Blending for Batch Output](#)
- [Prep a Shoe List](#)

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Alteryx Certification Program

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Ready to begin preparing for an exam? Check out the Exam Prep area to access prep guides, practice tests, and learning suggestions.

Get Certified

As a global leader in analytics automation, Alteryx unifies analytics, data science, and business process automation in one end-to-end platform to accelerate digital transformation. Organizations of all sizes, all over the world, rely on the Alteryx Analytic Process Automation Platform to deliver high-impact business outcomes and rapidly upskill their modern workforce.