MACHINE LEARNING WITH C# AND ML.NET

The first online course to teach C# developers how to create cutting-edge machine learning applications in C# with ML.NET​

DESCRIPTION

This course will introduce you to machine learning and AI and get you up to speed with Microsoft's new ML.NET library.

You will build a solid foundation in machine learning and learn how to design, train, and evaluate complex AI models. You'll be building C# applications from day one and I will provide you with all the source code, libraries, and data sets you need to get going.

I will coach you in our private support group where you can hang out with your fellow students and upload homework assignments.

Check out this short introduction video that explains the core concepts of machine learning models and how to use them in C#:

TESTIMONIAL

“Mark is a fantastic teacher with a deep understanding of his course topics, as well as broader technology / trends. The structure and pacing of Mark’s courses is excellent and he constantly relates the theory to practice, supporting the courses with well-thought-out exercises. This makes his courses really engaging and effective, as well as enjoyable.”

Phil Tomblin, course student

HERE'S WHAT YOU'LL GET

46 Video Lectures

9 Quizzes

4 Case Studies

Source Code & Data sets

Lifelong Access

74 Text Lessons

9 Homework Assignments

Private Support Group

24-Hour Response Time

Certificate of Completion

SNEAK PREVIEW

Check out this complimentary webinar in which I will show you how to predict bike-sharing demand in the Washington DC area using a machine learning model:

COURSE CURRICULUM

[LEFT COLUMN]

**Introduction**

Course prerequisites

Installing NET Core 3.0

Installing Visual Studio Code

**Machine Learning**

What is machine learning?

**Loading And Processing Data**

Numeric data

String data

Geo data

Quiz

Process California housing data

My answers

Recap

**Supervised Learning**

Introduction

**Regression**

Linear regression

Regression metrics

Gradient descent

Multiple linear regression

Quiz

Predict taxi fares in New York

My answers

Recap

**Case Study**

Predict house prices in Iowa

**Binary Classification**

Binary classification

Binary metrics

ROC, AUC, and Bias

Quiz

Predict heart disease

My answers

Recap

**Case Study**

Detect credit card fraud in Europe

**Multiclass Classification**

Multiclass classification

Multiclass metrics

The confusion matrix

Micro and macro averages

Quiz

Recognise handwriting

My answers

Recap

[RIGHT COLUMN]

**Training And Evaluating Models**

Overfitting

Partitioning data

Minibatch training

K-Fold Cross Validation

Quiz

Detect spam messages

My answers

Recap

**Case Study**

Flag toxic comments on Wikipedia

**Decision Trees**

Classification trees

Regression trees

Quiz

Predict Titanic survivors

My answers

Recap

**Case Study**

Detect Diabetes in Pima indians

**Ensemble Models**

Bias and Variance

Bagging

Boosting

Stacking

Quiz

Predict bike demand in Washington DC

My answers

Recap

**Unsupervised Learning**

Introduction

**Clustering**

K-Means clustering

The Davies-Bouldin index

Quiz

Classify unlabelled Iris flowers

My answers

Recap

**Recommendation Systems**

Principal Component Analysis

Single Value Decomposition

Quiz

Recommend movies

My answers

Recap

**In Conclusion**

What you've learned

PRICING

All pricing plans come with a 30 days money-back guarantee.

[PRICING OPTION #1]

The Full Course

€147

9 C# Applications

4 Case Studies

Full Walkthrough & Datasets

Private Support Group

74 Text Lessons

46 Video Lessons

9 Quizzes

Lifelong Access To 1 Course

[PRICING OPTION #2]

All My AI Courses

€397

40+ C# Applications

12 Case Studies

Full Walkthrough & Datasets

Private Support Group

300+ Text Lessons

100+ Video Lessons

30+ Quizzes

Lifelong Access To All Courses

MONEY BACK GUARANTEE

Sign up today, and if for any reason you don’t like the course, or decide it’s not for you, just let me know no later than 30 days after your purchase date.

I’ll give your money back, no questions asked.

LOOKING FOR SOMETHING ELSE?

Check out my other machine learning courses:

[COURSE #1]

Machine Learning with C# and ML.NET

This course will introduce you to machine learning and AI and get you up to speed with Microsoft's new ML.NET library.

[COURSE #2]

Deep Learning with C# and CNTK

This course will teach you how to build deep learning C# apps that use neural networks and Microsoft's CNTK library.

[COURSE #3]

Cloud AI with Azure Machine Learning

This course will teach you how to leverage the power of the cloud to build Azure AI applications at cloud scale.

[COURSE #4]

Machine Learning with F# and ML.NET

This course will teach you how to build machine learning apps with Microsoft's F# language and the new ML.NET library.

[COURSE #5]

Machine Learning with Python and ML.NET

This course will teach you to to build machine learning apps in Python with NimbusML and the ML.NET library.

TESTIMONIAL

“I have learned so much from your courses, looking forward to more great content. Keep up the amazing work!”

Adam Lindqvist, course student

FREQUENTLY ASKED QUESTIONS

**1. Course FAQs**

i. I’m a complete beginner in Machine Learning. Are the courses going to be right for me?

Absolutely! The only thing you need to know is how to build simple console applications in C#. Everything else I will teach you step by step. In fact the sooner you enroll, the faster you will get the results that you want.

ii. How much time will it take to go through a course?

Each course contains roughly 6 weeks of content. We encourage you to dedicate at least 2 hours per weekday for about six weeks to keep up with daily assignments.

iii. What if I can’t keep up with the group?

You have lifetime access to all videos and files that come with the course, so you can learn at your own pace.

And if you get stuck you can always just post a question in the support group and the students or I will help you out.

**2. Support FAQs**

i. Is there support as I go through the program?

You will have daily supervision from me, your instructor. We'll also have group session where you can ask me questions live.

You also have access to a private support group where you can ask questions on a daily basis and get them answered, meet other students and collaborate with them.

ii. What if this program doesn’t meet my needs?

I offer a full one-month money-back guarantee. If you don’t agree that this program is worth every penny I said it was, I will promptly refund your money. No questions asked. No hassle. You have my word on it.

I don’t care if its 29 days 23 hours 59 minutes and 59 seconds, just send me an email, and I’ll promptly refund your money back.

**3. Program FAQs**

i. How is this program different from other courses?

This course is unique. There is no other course on the market that will teach you how to build machine learning apps in C#.

You will be building machine learning apps from day one. You’ll ‘learn by doing’ and master key ML skills on the fly as you’re coding complex applications. This hands-on approach will have you learn new skills much faster than any other course that only uses text content or training videos.

ii. I already started learning Machine Learning, what can this program do for me?

Well, which results have you received so far? I’m sure you’ve learned a lot, but are you fully leveraging your existing C# skills? Can you build a machine learning app in 1 day? Has your career benefited from your new skills?

This course is unique in that it not only teaches you how to build machine learning apps in C#, but it is also dedicated to your career transformation.

**4. Misc FAQs**

i. What if I have a question that’s not on this FAQ list?

I’m here to help and want you to be completely comfortable with your investment. Just drop me an email with any questions you may have, at mark@mdfarragher.com