

“What is One AI?” Module Transcript

Chapter 1

Intro & Learning Outcomes

Hi, everyone. My name is Taylor Clark. I am the chief data scientist and head of machine learning at One Model. I'm very excited to talk to you about One AI as part of the One Model Academy.

So we'll cover a few learning outcomes first.

So we're hoping that after this session, you'll have a good understanding of what the One AI toolkit is and what it has to offer within One Model. We hope that you get an understanding of what types of problems from a top level you'll be able to solve with the toolkit, and we hope that you'll feel confident in the level of transparency and the prioritization and ethics that we've put into the product as well as integration for role based security.

And then finally, we hope that you walk away feeling empowered to use this toolkit, and kind of interact with machine learning and statistics. Often, statistics and machine learning can be very intimidating. We've done a lot of work to make the tool explainable, usable, and friendly. The One Model Academy is just a portion of that.

Chapter 2

Overview of One AI

Okay. So first, we'll just do a broad overview of what One AI is. So, One AI is an ethical and transparent artificial intelligence platform. So what this means is that we have prioritized ethics and transparency within our product first before ease of use and a number of other things. So we feel that the product has to be transparent to be trusted, and if it's not trusted, it won't be valuable. So we want to always prioritize that type of functionality ahead of anything else.

Ultimately, One AI enables you to use statistics and machine learning alongside your people analytics data. It's not separate from One Model. It's integrated into One Model, which allows for a lot of traceability, and some really powerful integrations.

There are three core capabilities we'll talk about today. The first is the machine learning models. These are generally used to make predictions, but also can be used for analysis.

The embedded insights, which are a lighter weight statistical tool in storyboards, and the One AI assistant, which is a generative AI that we've been working on over the last year.

Chapter 3

One AI Machine Learning Models

So first, we'll talk about the machine learning models. Machine learning models are built and trained on your data. Ultimately, they allow you to make predictions, or run analysis.

They're using your company's data and the historical aspects of your data. You'll always have control over which data is included, how much history is included, every aspect of what's included in the training data. But we feel that it's important the models use your data so that insights that are coming out of these predictive models aren't coming from datasets that aren't representative of your organization, and this will help your models be able to solve problems that are relative to you. We've also built a recipe framework, which is a guided experience for setting up machine learning models. It's kind of a question and answer style, mode. There's also an advanced configuration that you can use, that just allows you to directly interact with the configurations.

Fundamentally, One AI is an AutoML pipeline that provides end-to-end machine learning. I like to say that it's as auto as you want it to be. One AI tries to be helpful by making decisions and configuring things for you. You'll always have reports that explain what decisions were made and configurations that allow you to override those things. But you can tell One AI to, you know, pick from these two or pick whatever you think is best or do this one specific thing. So as auto as you want.

Transparency is just an integrated key pillar for us. We have reports and justifications for every decision that we make along the pipeline. You'll always be able to review them, and they're maintained over time. So you can always come back and look at them later down the road if you want to.

Yeah. Ultimately, because One AI is just an extension of One model, you can integrate predictive data back into your storyboards to support data journalism and help you deliver kind of core insights and solve priority problems within your company.

Here's a little thumbnail of the recipe framework. In this case, we're building out a voluntary attrition recipe. Each one of these boxes or little thumbnails below are question answers that you would get walked through by One AI. You would provide your answer, and it sets it up and then configures the data for you to begin training a model.

Chapter 4

One AI Embedded Insights

All right. Now we'll talk about the embedded insights. So embedded insights are integrated statistical capabilities within the One Model storyboard tiles. So these are simple analyses that you can run, whenever you want within a storyboard if you wanna get quick answers.

There'll be things like forecasting, running correlations, lines of best fit, and general kind of, like, insights out of a table. So, on this chart below, you could run a forecast on it just by clicking a light bulb that appears in the top right corner of the storyboard tile.

Chapter 5

One AI Assistant

All right. Now we're going to talk about the One AI assistant. The One AI assistant is an assistant that's embedded in One model, powered by One AI, and it uses generative AI. The assistant is aimed at helping you create and edit visuals quickly as well as retrieve valuable insights, using natural language prompting. It can also run analysis on existing visuals to identify key insights and support you in data journalism.

So, I'm gonna show a quick visual of how the generative AI works, within the One AI assistant. So here we can see a free text input being put in, and when the query is run, One AI is going to identify the core concepts and then map that to the unique dataset that you've built out within One Model and then use that to build a query, and then run a forecast on this to give us some insights of where we're trending.

So there's a lot more to come on the One AI assistant and functionality there. We're taking the same approach that we've taken with everything else, which is, you know, being an ethical, transparent, and controllable product first. So we're gonna give lots of power and control to the end users so that they can set the AI up and use it in ways that are going to be most valuable within their organization.

Chapter 6

What Makes One AI Different?

So, now we'll talk through a couple highlights and key points around the One AI toolkit.

So what makes it different? It's built on nothing but your data. You have full control over what data it uses. You'll always be able to see what went into the training data. There's no concern about the model using something that you don't understand or isn't reflective of your organization.

The insights will be derivative and associated with your company and not come from other datasets.

Your data doesn't leave One Model. It always stays in the instance, and you have full control over it. The One AI toolkit respects role based security, whether that be integrated services, the generative AI, or the predictive models. They'll all have integrated role based security in them.

It's ethical, transparent, and interpretable. No black boxes. We've gone to great lengths to make sure that everything is explainable, traceable. You'll always be able to see why certain decisions were made and which decisions were made, and that will be maintained longitudinally so you can go back in time and audit these decisions if you ever wanted to.

It's explainable and trustworthy. We feel that transparent and interpretive models are key and required to be able to trust what's actually happening. If you're getting a prediction and you can't understand how that prediction was made or what data went into that prediction, It's really hard to trust that and then ultimately be able to make important decisions off of it. So we've gone to great lengths to add large amounts of reporting and transparency from an ethics standpoint, but also to help support you in trusting the data so you can use it to make valuable decisions.

It's traceable and audible - because One AI is an extension of One Model and they're integrated, you can always trace a prediction back to all of the data that was included in the One AI process and the decisions that were made. So it's perfectly traceable throughout the platform.

Always evolving and getting better. And this is our kind of core focus in building and integrating the latest and greatest technology, but doing so in a way that's ethical, transparent, and trustworthy is a primary focus of the company and something we'll constantly be improving.

Chapter 7

Conclusion & Thanks

Yeah. Thanks for watching. I'm really excited about the One Model Academy. I think there's a ton of great content in here, and I'm looking forward to hear how people are using it and what they enjoyed from it. Thanks!