Module 24: Capstone 2

Video Transcripts

Video 1: Capstone 2 Introduction

Wow! You made it. There's only one thing left to do in this program. And that's to complete your capstone. For this module, you will deliver three things. One, a predictive model using supervised or unsupervised learning techniques on a dataset of your choosing. Two, a technical write-up posted in your GitHub repository. And three, a brief presentation of your findings. Your technical report will be an organized and well-structured GitHub repository with an informative README and a collection of Jupyter Notebooks that walk through your analysis. In addition to your technical notebooks, you should compress the information into a non-technical presentation that covers your problem, solutions, important findings, and suggestions for next steps.

I want to conclude by saying, thank you for participating in this program. I wish you luck in your career in the ML and AI field.

Video 2: Program Wrap-Up

GG: Congratulations! You've made it to the end of the course. That was quite a journey. We really covered a lot of material, didn't we Josh?

JH: Yeah, we really did. We built a very good foundation of machine learning with fundamental techniques like linear regression, logistic regression, SVM, and decision trees.

GG: Right! And we also learned some advanced techniques like ensemble methods and neural networks, as well as applications in natural language processing and recommendation systems.

JH: And not only that, we learned how to do it all in Python.

GG: Yeah, that's quite an achievement. Are there any follow-up topics that you'd recommend students look into on their own?

JH: Yeah. Well, machine learning, it's this continuously evolving field and there's these new ideas continuously popping into and out of existence. But probably the biggest one that we didn't talk about in our class was reinforcement learning, which is where you learn with rewards. So if you're interested in, for example, how you can train a machine to beat humans at Go or chess then I'd advise you to learn more about reinforcement learning.

GG: Right! What about staying on top of the latest developments in ML? Any recommendations there, Josh?

JH: Well, there's a lot of these nice blogs out there. So for example, if you Google a lot of the topics from our class, you'll find people writing up things on Towards Data Science. You may have seen it before. They have a lot of these really nice tutorial-type articles. And then there's also the AI departments of some of the biggest companies out there like Google, Amazon, and Facebook. So you should check out their blogs. There's also the academic blogs out there, and I'd recommend BAIR, that's B-A-I-R for Berkeley Artificial Intelligence Research.

GG: Nice. Well, I guess we're done. Thank you for taking the course and we hope you enjoyed it.

JH: Yes, and congratulations once again on completing this Certificate in Machine Learning and Artificial Intelligence. Best of luck.

GG: Bye-bye now.