



# APPLIED MACHINE LEARNING FOR ECONOMICS AND BUSINESS



In partnership with the  
**University of Cape Coast**

23rd-27th June 2025  
Cape Coast, Ghana

# SUMMARY

Professors Without Borders delivered its second programme in Ghana in partnership with the University of Cape Coast from 23 to 27 June 2025. The programme was designed to strengthen the teaching competencies of faculty and graduate students with intermediate experience in machine learning, equipping them to confidently teach undergraduate ML courses within the Economics and Business departments.

Throughout the week, participants engaged in a combination of lectures and hands-on workshops covering key topics such as machine learning fundamentals, regression, decision trees, and hierarchical clustering. Each participant developed and presented a capstone project, applying their learning to real-world contexts.

The University of Cape Coast expressed sincere appreciation to Dr. Turkman-Ceylan Fethiye for her expertly delivered sessions. In response to the strong enthusiasm and engagement from the university community, Dr. Fethiye has kindly agreed to offer follow-up online sessions to build on the momentum. The high level of participation and curiosity created an energising and collaborative learning atmosphere throughout the programme.



**Dr. Turkman-Ceylan Fethiye**  
facilitating a workshop.



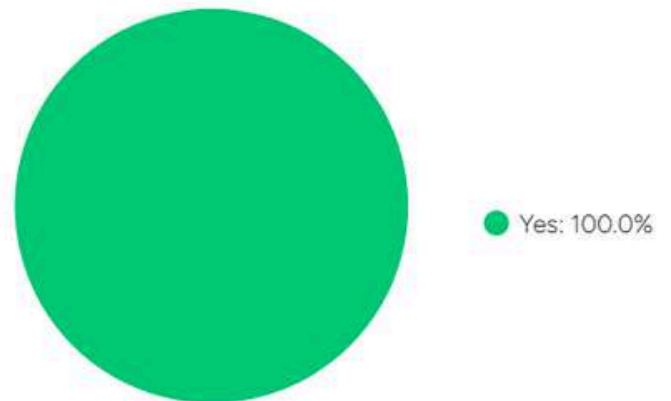
**UCC Programme Participants listening in a session facilitated by Dr. Turkman-Ceylan Fethiye**

# REFLECTIONS

Feedback received from programme participants

97% of Faculty and Students were satisfied with the programme

100% of Faculty and Students said that they would recommend the programme to others



“It has opened my mind to the possibilities of machine learning and how working with real-life data can improve lives and productivity wherever I find myself.” — **UCC Student**



“The programme really inspired me and also exposed me to the tools needed in my academic journey and the job market.” — **UCC Student**



# REFLECTIONS

## Feedback received from programme participants/volunteers

“This programme has had a significant impact on me by helping me understand how powerful data and machine learning can be in solving complex problems. Before, I knew data was important, but now I see how computers can analyse large amounts of information, uncover hidden patterns, and make accurate predictions without being explicitly programmed for every detail. The hands-on work with real data and models like Random Forests made these ideas concrete, showing me exactly how it works, step by step.” — **UCC Student**

“What I really loved about the programme was its hands-on approach to learning complex concepts. Instead of just focusing on theory, the workshops included practical coding exercises, real-world datasets, and step-by-step guidance for building models. This made the whole experience much more engaging and effective. I especially appreciated how the instructor broke down tough topics like overfitting, feature engineering, and model evaluation in a way that was clear and approachable. Plus, collaborating with other participants added a dynamic element to the workshop, making it feel interactive and enriching. It truly deepened my understanding and made learning feel like a shared journey.” — **UCC Student.**

“It was a truly amazing experience, thank you for such a warm and welcoming atmosphere. Honestly, I’m struggling to find the right words to express how much it meant to me. I was so happy to be there. The audience was incredibly engaging and curious, which made the experience even more special.” — **Dr. Turkman-Ceylan Fethiye**

“It has opened my ideas on machine learning and working with real-life data to improve lives and productivity wherever I find myself.” — **UCC Student.**

# MEMORIES

