

# **Carole Happy & Adriana Garcia | Machine Learning Podcast, Fall 2023**

## **Approach**

Given the wide range of technical subjects within STEM available for exploration, we opted to combine our areas of study and personal interests when approaching the project. Afterwards, we made the choice to delve into Machine Learning, understanding its mechanisms, functionality, and various classifications. We discovered that this subject offered extensive opportunities for exploration across multiple facets. Creating a podcast centered around machine learning for the first time was both exhilarating and challenging. Approaching the task involved careful planning, deep research, and a commitment to delivering valuable content to our audience. This included examining its background, diverse computational methods, and their real world-applications. In producing the podcast series, we conscientiously infused our viewpoints and cognitive approaches. Initially, we outlined the podcast's structure, determining the key topics within machine learning we wanted to cover. We aimed to strike a balance between technical depth and accessibility, ensuring that both novices and experienced individuals in the field could find value in our discussions. Research played a pivotal role. We delved into various aspects of machine learning, exploring its fundamental concepts, applications across industries, popular algorithms, recent advancements, and ethical considerations. This groundwork was essential to ensure our content was accurate, informative, and engaging.

## **Experience and Growth**

This inaugural podcast making experience has proven to be immensely fulfilling and pleasantly surprising for us. It uncovered latent talents we weren't aware we possessed. Throughout this journey, mastering the art of editing and recording audio proved to be an enjoyable process despite some initial challenges. Recording the podcast was an enlightening experience. Explaining intricate machine learning concepts in a conversational tone while maintaining clarity was a challenge. We focused on breaking down complex ideas into simpler, relatable analogies to ensure accessibility without compromising on the substance of the discussion. Ultimately, the learning curve was well worth the effort invested. An intriguing aspect was discovering the functionality of an application, GarageBand, which had been sitting unused on our computers for years. Delving into the research on machine learning was a mind-expanding experience. Witnessing the vast array of possibilities and realizing its pervasive presence in our daily lives felt astonishing.

Throughout the process, there was a notable growth in our understanding of machine learning. Researching extensively and articulating these concepts for a broader audience improved our own comprehension. We learned to communicate technical information effectively, enhancing our ability to distill complex topics into digestible content. Furthermore, audience (coach, family and friends) feedback played a significant role in our growth. Engaging with listeners allowed us to understand their needs better, guiding us in refining our approach and content for future episodes. Their questions and suggestions motivated us to dive deeper into certain areas, thereby expanding our knowledge base. In essence, creating a podcast on machine learning was an enriching journey. It not only allowed us to share our passion for the subject but also served as a platform for continuous learning and improvement. The experience broadened our horizons, honed our communication skills, and deepened our appreciation for the evolving landscape of machine learning.

