

YEDITEPE UNIVERSITY
Department of Computer Engineering

SEMINAR

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Online

<https://meet.google.com/ssw-jqmd-hwi>

**AutoML : No-Code / Low Code Machine Learning Infrastructures and
Scientific Background of Google Cloud Automated Machine Learning
Platform**

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Machine learning is a subfield of artificial intelligence that involves the use of algorithms and statistical models to allow computers to learn and make decisions based on data, without being explicitly programmed. Machine learning has evolved significantly over the years, with the development of various approaches and techniques such as decision trees, artificial neural networks, and support vector machines. Recently, there has been a growing trend towards the use of automation in machine learning, known as AutoML (Automated Machine Learning). AutoML aims to simplify the process of applying machine learning to real-world problems by automating the selection and tuning of algorithms and models. This can greatly reduce the time and resources required for data scientists and engineers to build and deploy machine learning models, and make it easier for non-technical users to apply machine learning to their own data. However, it is important to note that AutoML does not replace the need for human expertise in machine learning, and is best used as a tool to complement the skills of data scientists and engineers.

Biography

Emrah Mete received his Bachelor's degree in Computer Engineering from Yıldız Technical University and his Master's degree in Data Science with thesis from Özyeğin University. He is currently pursuing his PhD in Computer Engineering at Yeditepe University, and his research interests include artificial intelligence, deep learning, big data infrastructures and real-time data analytics. Emrah has been working for more than 12 years in the industry. Throughout his professional career, Emrah has developed data analytics projects at various companies, taking on roles such as software developer, big data engineer, data architect, solution architect, cloud engineer and artificial intelligence engineer. He currently works as a Cloud Engineer responsible for Data Analytics and Artificial Intelligence projects at Google.

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