Hands-On Automated Machine Learning: A beginner's guide to building automated machine learning systems using AutoML and Python (Paperback)

By Sibanjan Das, Umit Mert Cakmak

Packt Publishing Limited, United Kingdom, 2018. Paperback. Condition: New. Language: English. Brand new Book. Automate data and model pipelines for faster machine learning applicationsKey FeaturesBuild automated modules for different machine learning componentsUnderstand each component of a machine learning pipeline in depthLearn to use different open source AutoML and feature engineering platformsBook DescriptionAutoML is designed to automate parts of Machine Learning. Readily available AutoML tools are making data science practitioners' work easy and are received well in the advanced analytics community. Automated Machine Learning covers the necessary foundation needed to create automated machine learning modules and helps you get up to speed with them in the most practical way possible. In this book, you'll learn how to automate different tasks in the machine learning pipeline such as data preprocessing, feature selection, model training, model optimization, and much more. In addition to this, it demonstrates how you can use the available automation libraries, such as auto-sklearn and MLBox, and create and extend your own custom AutoML components for Machine Learning. By the end of this book, you will have a clearer understanding of the different aspects of automated Machine Learning, and you'll be able to incorporate automation tasks using practical datasets. You...

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