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impact on Stocks -- Monitoring the Business Cycle with Fine-grained, Aspect-based Sentiment Extraction from News -- Multi-step Prediction of Financial Asset Return Volatility Using Parsimonious Autoregressive Sequential Model -- Big Data Financial Sentiment Analysis in the European Bond Markets -- A Brand Scoring System for Cryptocurrencies Based on Social Media Data.

Sommario/riassunto

This book constitutes revised selected papers from the 4th Workshop on Mining Data for Financial Applications, MIDAS 2019, held in conjunction with ECML PKDD 2019, in Würzburg, Germany, in September 2019. The 8 full and 3 short papers presented in this volume were carefully reviewed and selected from 16 submissions. They deal with challenges, potentialities, and applications of leveraging data-mining tasks regarding problems in the financial domain.