![rapidminer logo]

RapidMiner Server: Web Applications

Course Overview

RapidMiner Server: Web Applications is a one-day expert seminar focusing on the RapidMiner Server product from the perspective of a developer preparing web applications for end users. RapidMiner Server is a collaboration platform for data science teams with comprehensive user management, including sharing via individual access control and version control. It integrates with enterprise data sources such as relational databases, and also includes job scheduling to automate recurring analytics and MIS tasks. Finally, it provides access to data science predictions and results in external systems via modern web services, and allows the creation of web applications for interactive use by non-technical business users.

After successfully completing this course, participants will have a solid understanding of how RapidMiner Studio and Server work together in an organization to support data science initiatives. This course will focus on the creation of interactive web applications and the setup of reports for non-technical users. Since every element of a RapidMiner Server web application is powered by a RapidMiner process, clever designers can create interactive forms that incorporate an endless array of functionality to accommodate various business requirements. The class exercises and labs are hands-on, so students will internalize the topics covered, which will provide a jumpstart to the real world application of these techniques.

Prerequisites & Target Audience

This class is aimed at Analysts and Data Scientists as well as IT Developers. It assumes a basic knowledge of computer programming principles and higher mathematics (through calculus). It requires either the successful completion of the basic-level training courses (RapidMiner & Data Science: Foundations and RapidMiner & Data Science: Advanced) or successful completion of the RapidMiner Analyst Certification exam (or functional equivalence in terms of knowledge of RapidMiner and basic data science). It also requires completion of the RapidMiner Server: Deployment & Management course, and some familiarity with SQL is helpful.   ***Note that students must also have access to their own RapidMiner Server, or an AWS account in which they can deploy a new RapidMiner Server instance (which is covered in the RapidMiner Server: Deployment & Management course).

Course Outline

- RapidMiner Server Administration Overview
- Reporting, Dashboards and Web Applications
- Exporting Results to Files
- Designing Informative Data Visualizations for the Web
- Creating Interactive Environments for Ad Hoc Analysis
- Designing Web Applications for Business Users
- Managing Model Results and Predictions with Web Apps

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