liftr: Reproducible Bioinformatics and Statistical Data Analysis with Docker, Rabix, and knitr

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Overview

liftr extends the R Markdown metadata format. It helps you generate Dockerfile for rendering R Markdown documents in Docker containers.

Users can also include and run pre-defined Rabix tools/workflows, then analyze the Rabix output in the dockerized R Markdown documents.

Demo Video

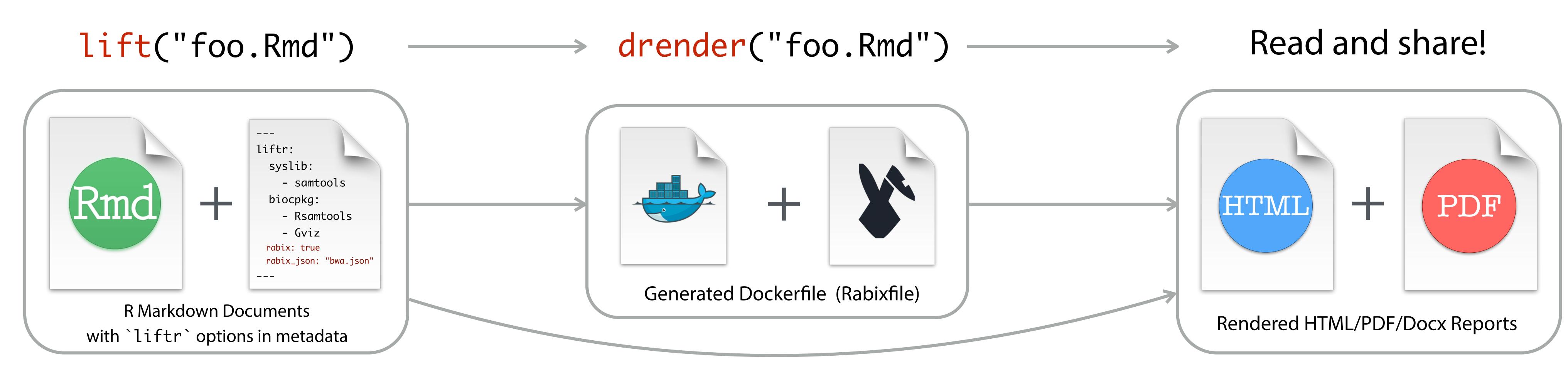


https://youtu.be/D1-10Noa3Ho

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liftr.me



liftr extends the R Markdown metadata format, introducing additional options for rendering Rmd documents with Docker and Rabix.

liftr parses the YAML metadata block in the R Markdown document, and converts them to Dockerfile and Rabix running commands.

liftr will build the Docker image, run the container, and render the document in a system-level reproducible fashion!