Automated Business Reporting with R

Zhengying (Doro) Lou[1*], Van Morgan

1. ZestFinance

*Contact author: dzl@zestfinance.com

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In ZestFinance, we have developed a fully automated process with *R* to improve the quality and efficiency of business reporting. This process uses **RMySQL** to retrieve raw data from our database, summarizes and structures the data into report ready format in *R*, and then uses **xlsx** to write data into Excel template to create the final report. The *R* script is run automatically by a cron job and the final report is sent to users by email. Additionally, **Markdown** and **knitr** are used to publish **ggplot2** objects on an internal website that is updated on a daily basis. The automated process improved report quality and reduced analyst staffing needs by 0.5 FTE (full-time equivalent).