

Rapid Application Deployment with R

Wayne R. Jones

Shell Global Solutions (UK)
Shell Technology Centre Thornton,
P.O. Box 1, Chester CH1 3SH,
United Kingdom

Marco Giannitrapani

In this presentation we discuss our experiences of deploying R client based solutions. We demonstrate that R packages such as “R-(D)Com” and “RODBC” that allow communication with other applications (e.g. Excel) together with R-Gui packages such as “rpanel” and “tcltk” makes for a very powerful combination of tools for building customised statistical applications. Thanks, in part, to the very concise nature of R-programming such applications can be very quickly developed with extreme ease making previously unviable consultancy projects due to cost/benefit or manpower constraints achievable. The scope for using R based applications within Shell is enormous and we have already deployed numerous diverse solutions across all areas of the business including: Monte Carlo simulation tools, Customised Data Visualisation Tools, Forecasting toolbox, Groundwater monitoring application, automatic report generation and curve fitting to name but a few.