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The use of R, S+ and Spotfire in the Oracle Life Sciences Data Hub Environment

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The Oracle Life Sciences Data Hub (LSH) is an environment that enables reproducible research and development across Life Science functional areas. It enables the use of analytic software including SAS, R, S+ and Spotfire. These analytic software applications are enabled in the LSH environment through “adapters”. Such adapters enable access to data in LSH in a reproducible and refreshable way. TIBCO Spotfire version 3.1 includes tight connectivity to R and S+. The product incorporates a script repository where statisticians and others can register R and S+ scripts, and Spotfire authors can search, retrieve and utilize these scripts when setting up a Spotfire analysis workbook. This presentation will outline a systems approach to R, S+ and Spotfire analysis in the LSH environment. The R and Spotfire adapters to LSH will be described, along with the R/S+ repository and workflow in Spotfire. The system will be illustrated with the analysis of pharmaceutical research and development data using LSH, R/S+ and Spotfire.