From walled kingdom to toolbox

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Outside in
An image showing various web pages and tools related to data processing and analytics. The pages include Oracle R Enterprise, SparkR, SAP HANA R Integration Guide, and a page promoting SQL Server. The text at the bottom reads: "+SQL Server “in 2016”"
CREATE FUNCTION wtl(subject INT, age INT, height INT, weight INT) RETURNS TABLE (subject INT, key STRING, value INT) LANGUAGE R {
    dd <- data.frame(subject, age, height, weight)
    do.call(rbind,
        lapply(split(dd, dd$subject),
            function(split) data.frame(
                subject=rep(split$subject, 3),
                key=c("age", "height", "weight"),
                value=c(split$age, split$height, split$weight))))
};

SELECT * FROM wtl((SELECT * FROM observations AS o));

(Released 2014)
CREATE FUNCTION testp(i INT, z INT) RETURNS BOOLEAN LANGUAGE Python {
    flt = np.array(filter(lambda x:x > z, i))
    return([flt])
}

SELECT * FROM pval WHERE testp(i, 2);
Inside out
Are you willing to convert your data into a format we like?

Would you love to learn our strange language?

Are you ready to be satisfied with “not supported”?

Only then you can come in and play.

Seems legit
If I have to
Ehm?
No thanks
“Unbundling”
Let’ not miss the boat again. How do we support the “data scientist”? Thank you.

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