

Esmeta
Data Analysis
Services



How to improve your Data Analysis Processes in your Web Application / ERP using RClass

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Introduction.

This document has been created to explain the advantages to add a Data Analysis Module to improve Reporting activities in the Processes of any Company using R & PHP Web Technology and Rclass as a glue.

The idea is improve Reporting features of the ERP using a new module installed in the Intranet's company.

R, GNU Stat Engine. (I)

R is a free software environment for statistical computing and graphics. It is a GNU project which is similar to the S language and environment which was developed at Bell Laboratories (formerly AT&T, now Lucent Technologies) by John Chambers and colleagues. R can be considered as a different implementation of S. There are some important differences, but much code written for S runs unaltered under R.

R provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, ...) and graphical techniques, and is highly extensible.

R, GNU Stat Engine. (II)

One of R's strengths is the ease with which well-designed publication-quality plots can be produced, including mathematical symbols and formulae where needed.

R is an integrated suite of software facilities for data manipulation, calculation and graphical display.

R_PHP, the project of Steve Chen

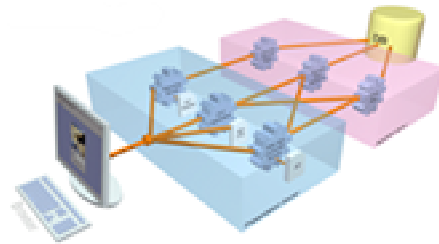
Rclass 1.0 has been developed using the R_PHP script, created by Steve Chen. R_PHP is hosted in: http://steve-chen.net/R_PHP/

R_PHP_Online is a PHP CGI web interface to run R program online, including graphic output.

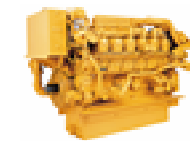
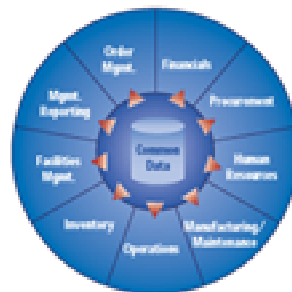
Rclass 1.0 is basically a OOP version of R_PHP designed by Steve Chen.

Rclass 1.0

Rclass 1.0 is a tool to integrate R Stat Engine with a Web Application.



Web Application



RClass.php



R Engine

Enterprise Resource Planning

Applications of Rclass 1.0

1. Marketing / Sales:
 - Sales budget Control
 - Sales Prediction
 - Campaigns Control

Alternatives

There is others alternatives to integrate a Web Application / ERP with R.

1. Rserve
2. Rsoap
3. R.NET.Web
4. Rweb
5. Rpad

