

Potention Metric Items From FPA Spreadsheet

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Abstract

Evaulation of various potential matrices, performance indicators for the Software Quality Assurance collect on the First Pass Acceptance Excel workbook.¹

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1 Introduction

The data is processed using R, Version 3.4.3 named Kite-Eating Tree. The only extension (package or library) utilized is lubridate (version 1.7.1) to provide key functionality in the processing of dates.

The data is read into R from a comma seperate value (csv) file which is derived from the spreadsheet without modification. Additional values are computed as needed.

This report is prepared in the R enviroment using a collection of packages know as Sweave that included knitr which inturn feeds the package into L^AT_EX 2_ε a typesetting program to produce a PDF file. L^AT_EX 2_ε is utilizing the folowing packages to control style and formating:

- datetime and
- multitoc

This will only show point in time data. Or what we did this period.

¹Date Ran: Tuesday 23rd January, 201817:26

2 Data and Calculations

2.1 Data

A separate data dictionary will be prepared for both the source data and the computed values stored in R.

2.2 Calculations

All calculations presented here are not implemented in R as formulas.

3 Work Yet to be Completed

3.1 Formula

Some calculations would be better implemented as formulas and which matrices those are needed to be evaluated and the formulas developed.

3.2 Trending

Eventually the "System" will be updated to select the data on a calendar month. After processing the data will be stored in a separate file to provide the results for that month. This will allow for long term trending of this data.

3.3 Graphs

When "trending" is implemented graphs of the trend will also be added.

4 Quantity Metrics

4.1 Application supported

This is a list of all application support this period. This may differ from projects supported as some application may have multiple projects in a period.

[1]	"Groninger"	"Assay File Database "
[3]	"PCN/SCN"	"WWLIMS"
[5]	"Pulse"	"DFCS"
[7]	"DPW"	"QIMS"
[9]	"Abbott Transfusion Medicine"	"Apollo/PHM"
[11]	"AFMS"	"SAS"
[13]	"Metrics Library"	"DaVinci"

4.2 Number of Projects

The total number of unique projects worked on this period. This may differ from the application list because some application may have more than one project in a period.

[1] 15