Wiesbaden SQA Metric Items From FPA Spreadsheet - August 2021

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Abstract

Presentation of First Pass Acceptance of SLC documentation. This is derived from the Excel workbook that Software Quality Assurance collected called "First Pass Acceptance Wiesbaden.xlsx".[1] This is for the month of August 2021.[2]

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1 First Pass Acceptance Results

For the month of August 2021the follow are the First Pass Acceptance Metrics results.

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[1] data is stored on the dept 09HD share drive

[2] Date Ran: Thursday 2nd September, 2021 at 11:26

Projects Started	0
Projects Completed	0
Items Reviewed	97
Items Rejected	36
First Pass Acceptance Rate	33 %
Rejection Rate	37.1 %

Table 1: First Pass Acceptance Results for August 2021

2   Trending Graphs
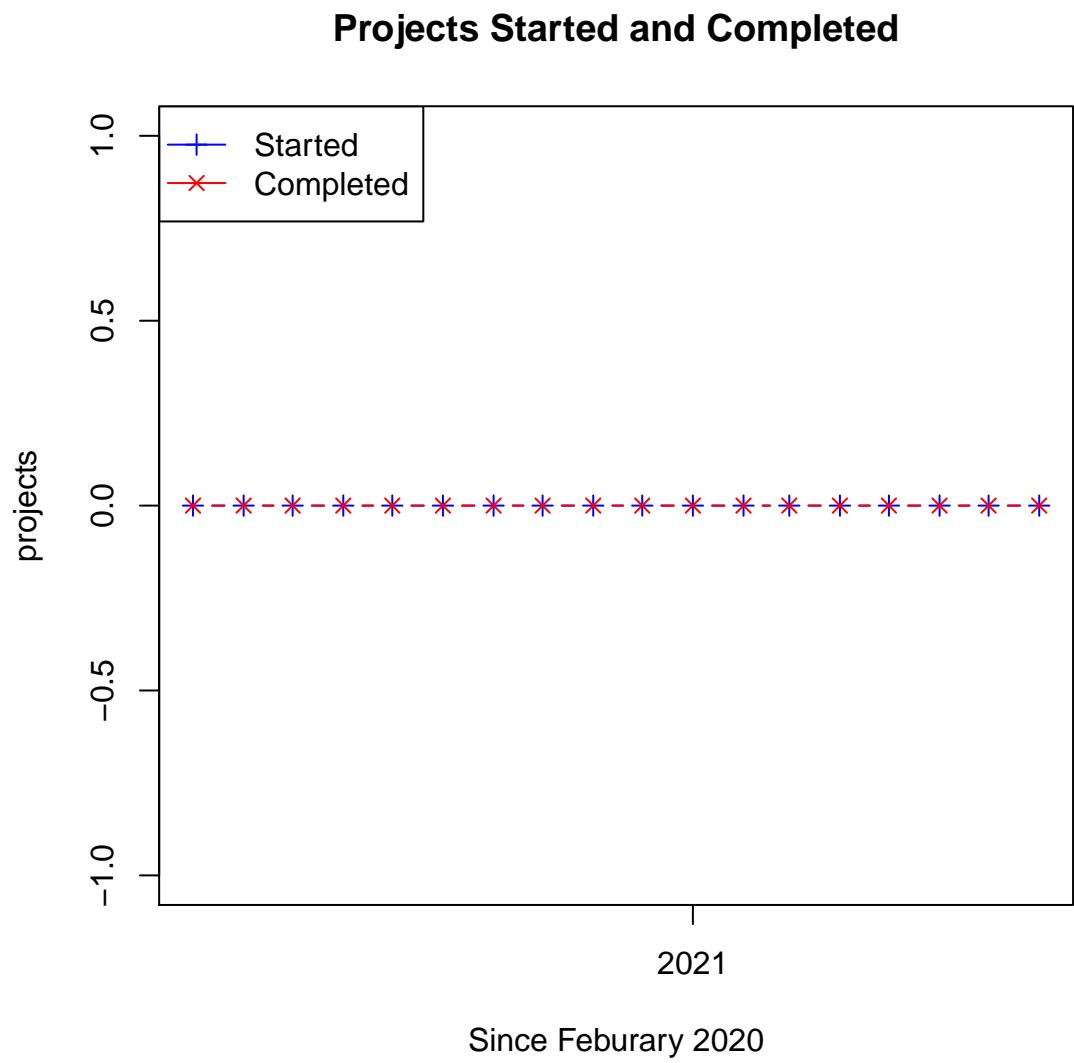
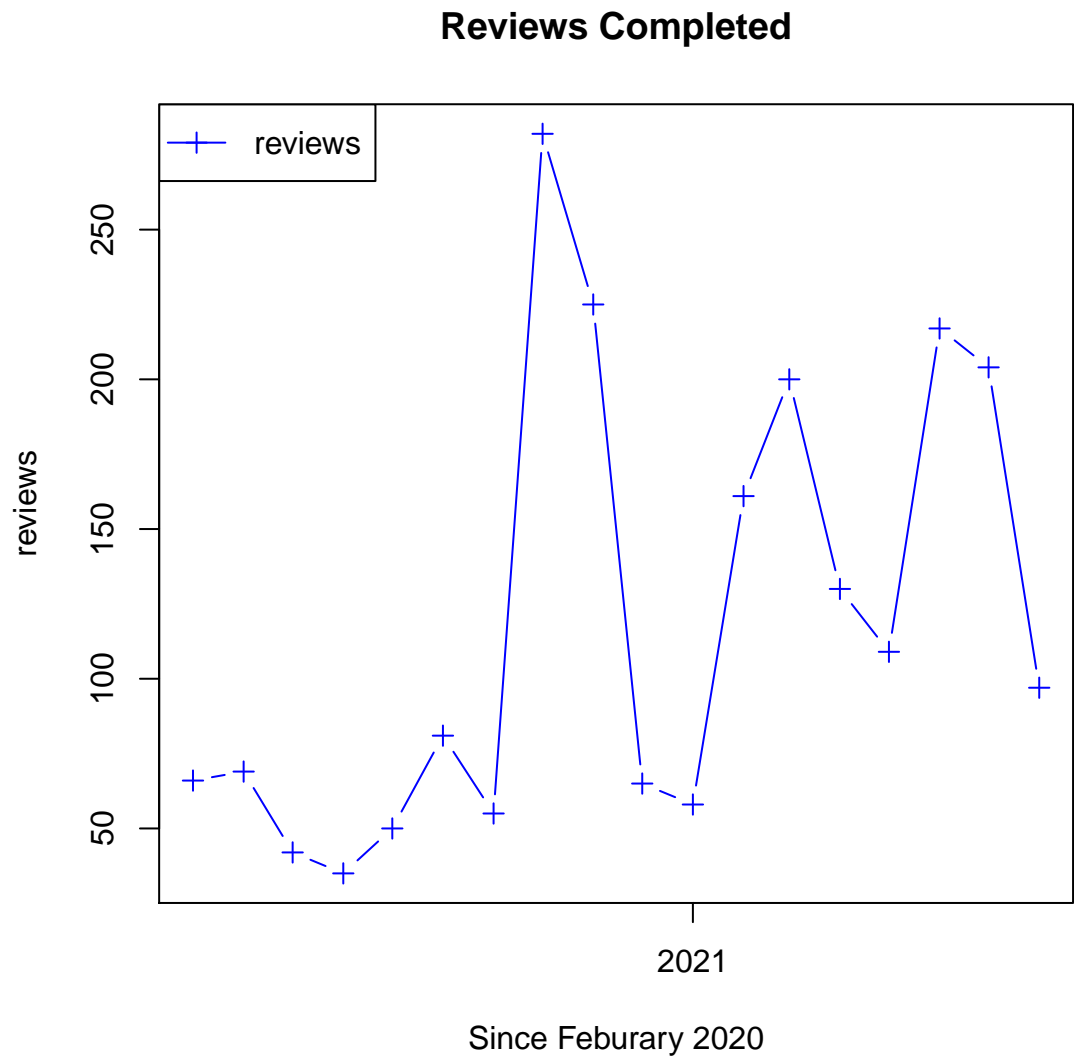Trend graphs reflect the past 14 months of data.
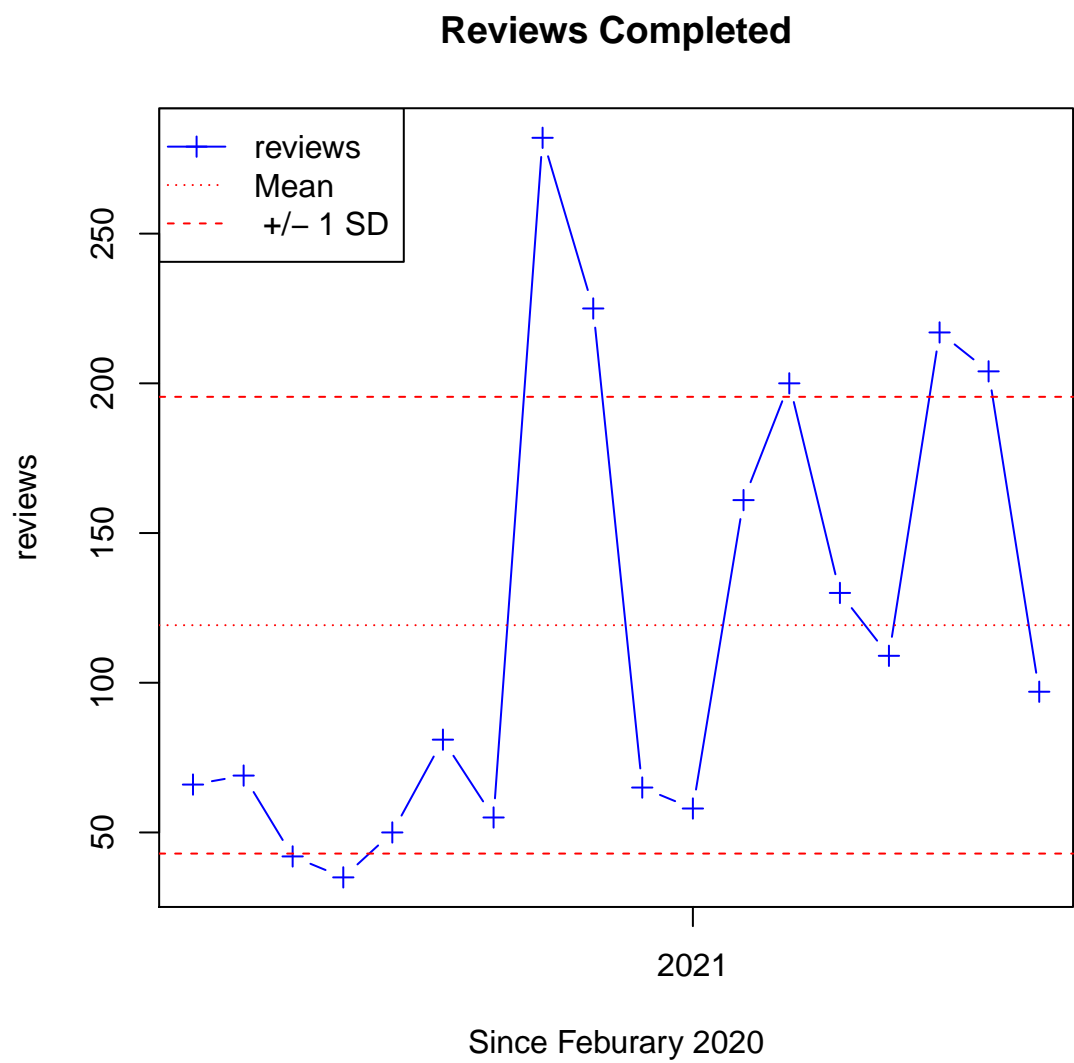
Projects Started and Completed

Figure 1: Projects Started and Completed

Figure 2: Reviews Completed

Reviews Completed

Figure 3: Reviews Completed with Control Lines
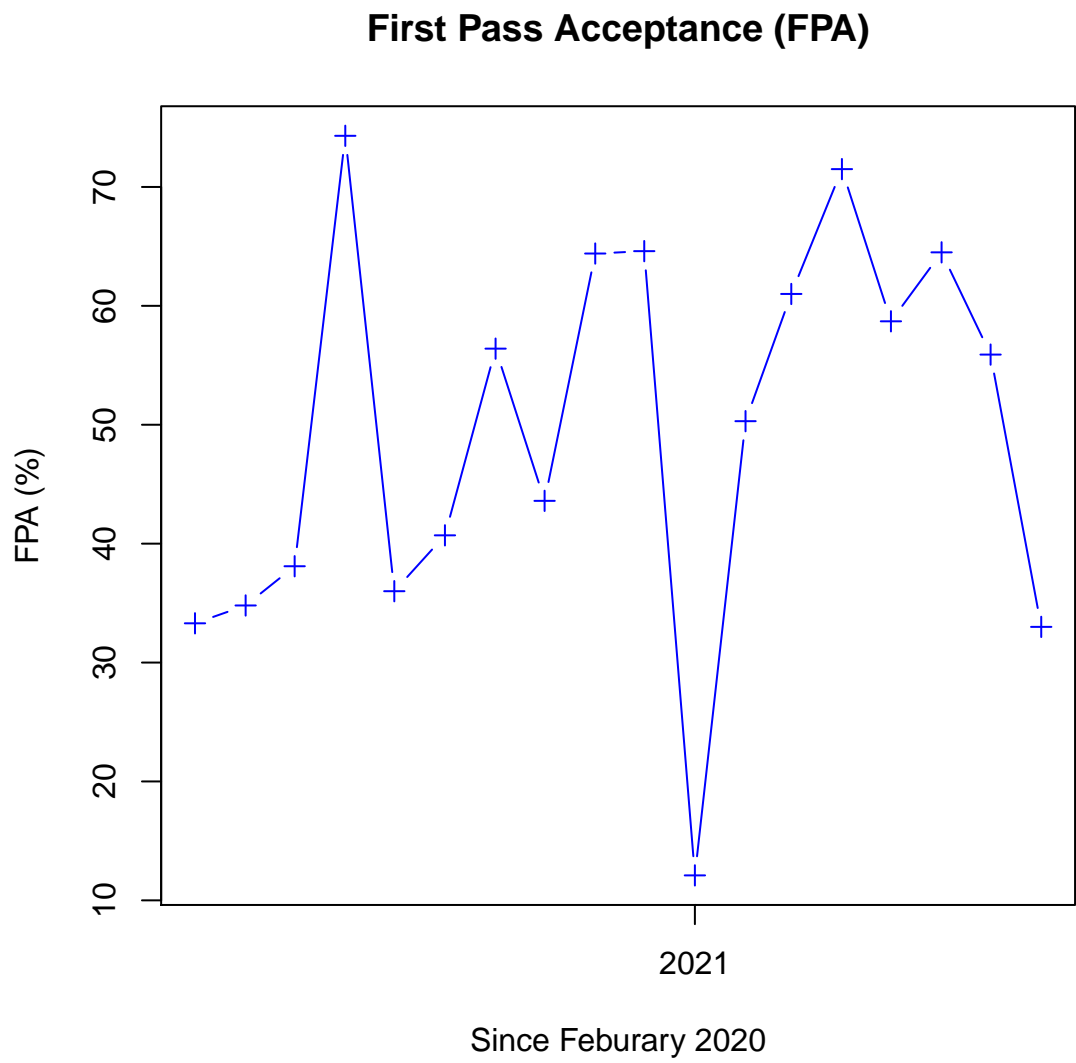
First Pass Acceptance (FPA)

Figure 4: First Pass Acceptance

First Pass Acceptance (FPA)
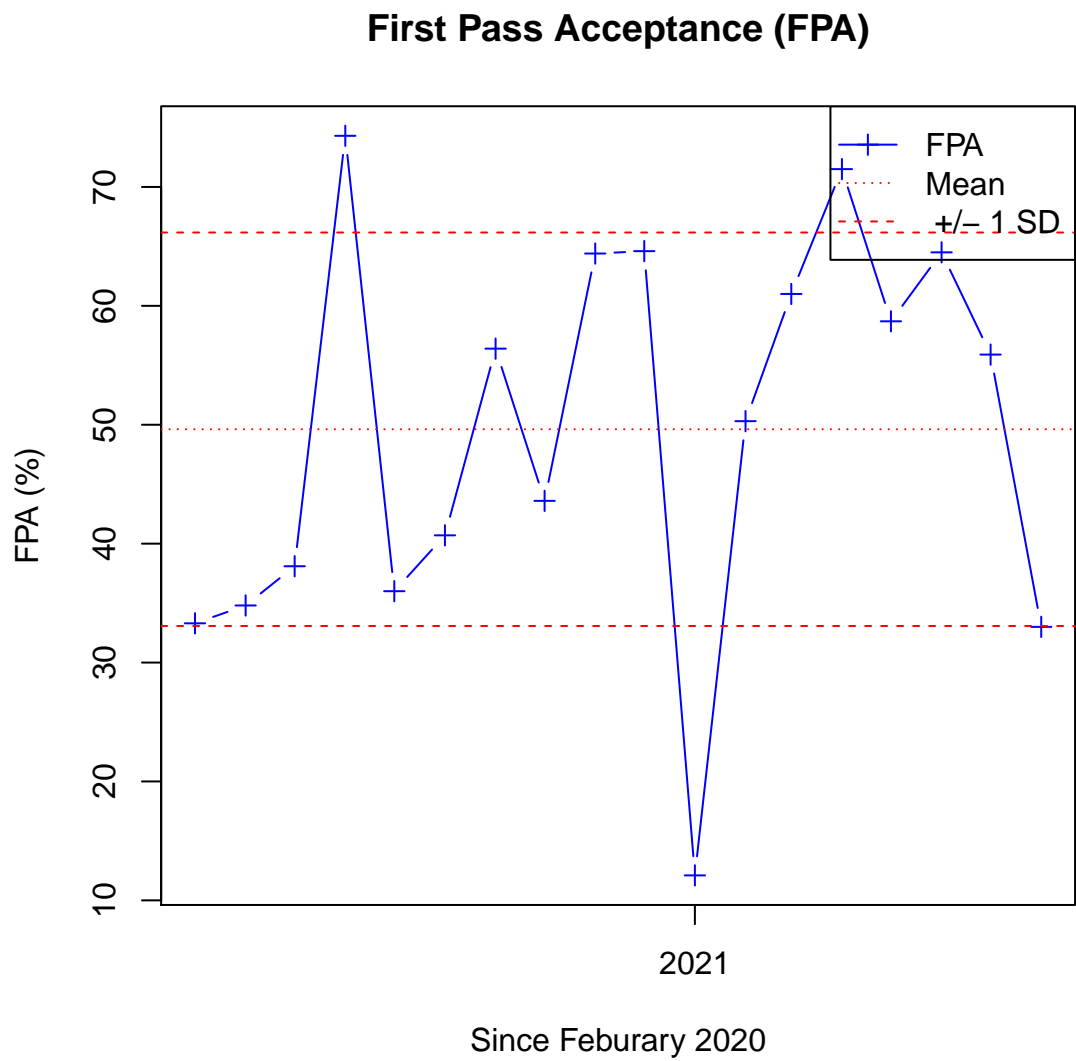
Figure 5: First Pass Acceptance with Control Lines

Rejection Rate
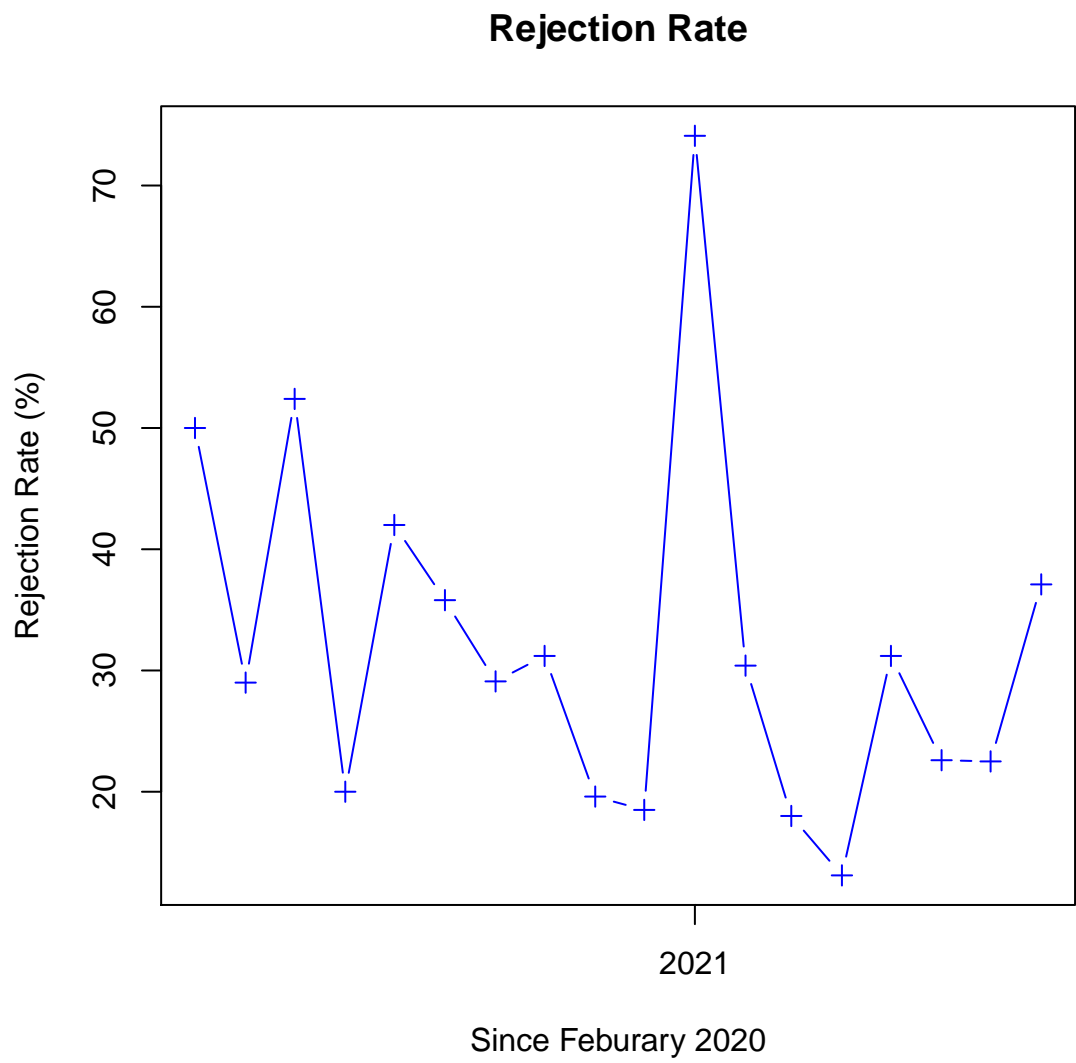

Figure 6: Rejection Rate

Rejection Rate

Figure 7: Rejection Rate with Control Lines

3 Methods

Data Processing

The data is processed using R[3], version 3.6.2 named "Dark and Stormy Night". The only extension (package or library) utilized is lubridate (version 1.7.10) to provide key functionality in the processing of dates.

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

Report Generation

This report is prepared in the R enviroment using a collection of packages know as Sweave that included knitr which in turn feeds the package into LaTeX 2_ε a typeseting program to produce a PDF file. LaTeX 2_ε in implented in MiTeX. LaTeX 2_ε is utilizing the folowing packages to control style and formating:

- amsfonts
- amsmath
- amssymb
- array
- booktable
- datetime
- float
- graphicx
- hyperref
- tocloft
- utf8
- xcolor

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[3]RStudio is utilized as an IDE