LC/Div 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.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 11:13

Projects Started	7
Projects Completed	6
Items Reviewed	500
Items Rejected	66
First Pass Acceptance Rate	77.8 %
Rejection Rate	13.2 %

Table 1: First Pass Acceptance Results for August 2021

2   Trending Graphs

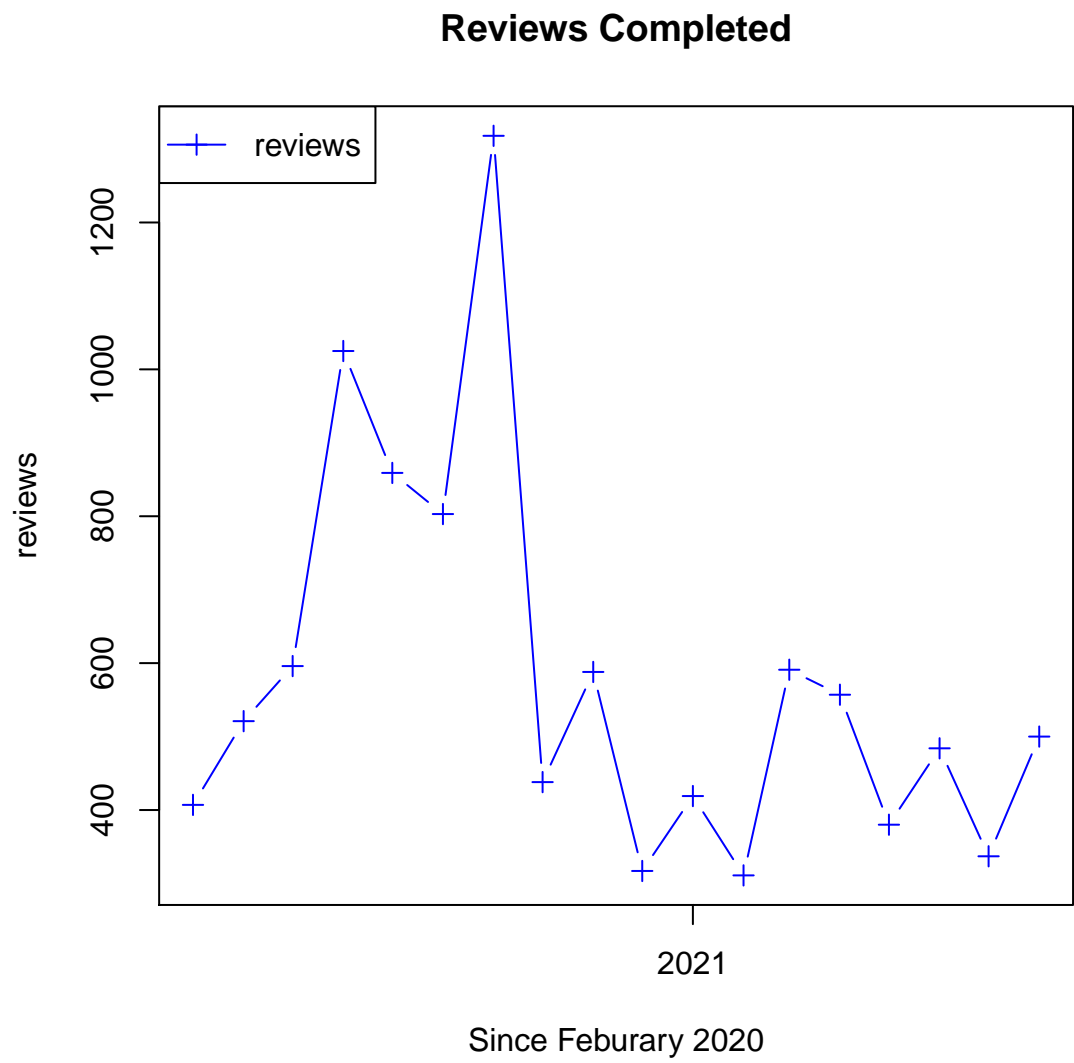Trend graphs reflect the past 18 months of data.
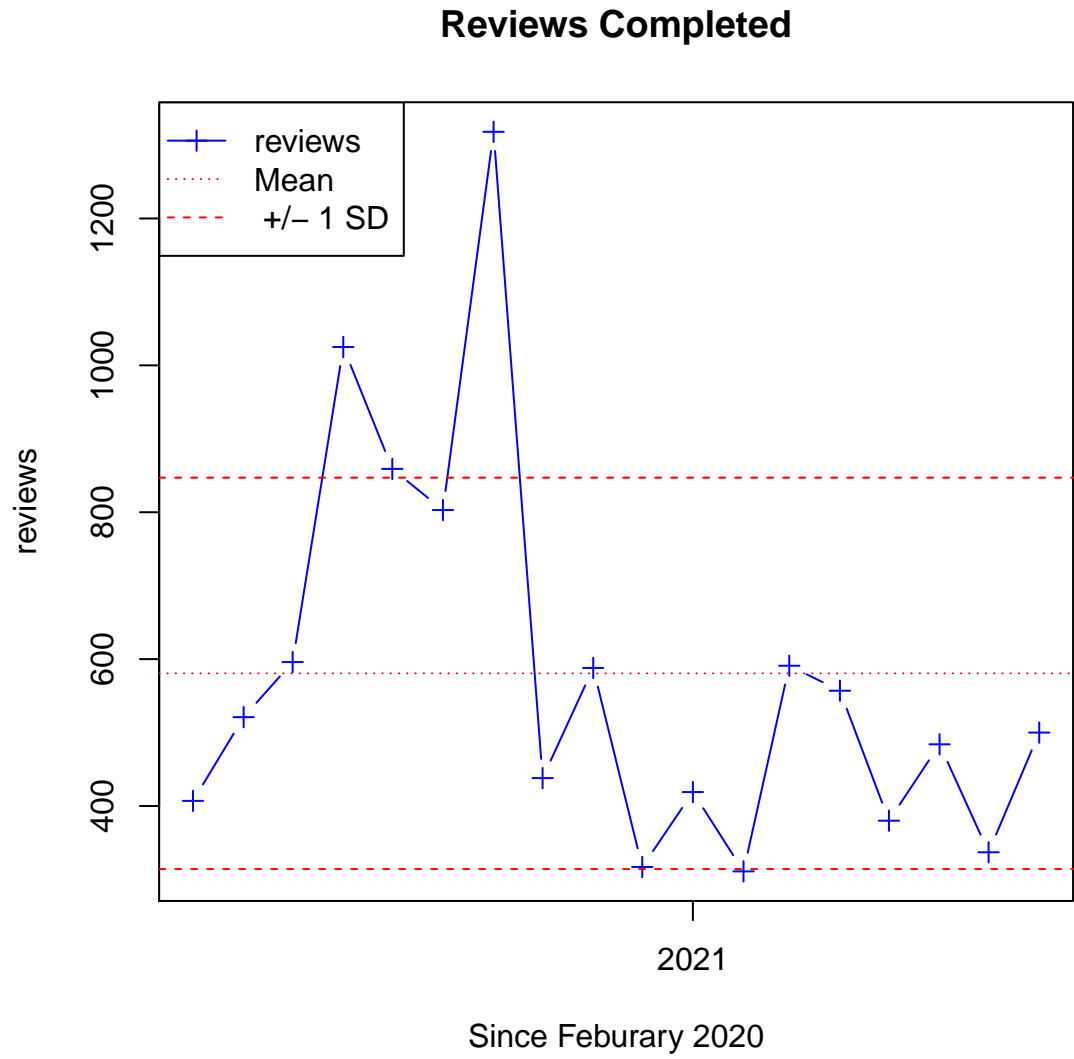
Projects Started and Completed

Figure 1: Projects Started and Completed

Figure 2: Reviews Completed

Reviews Completed

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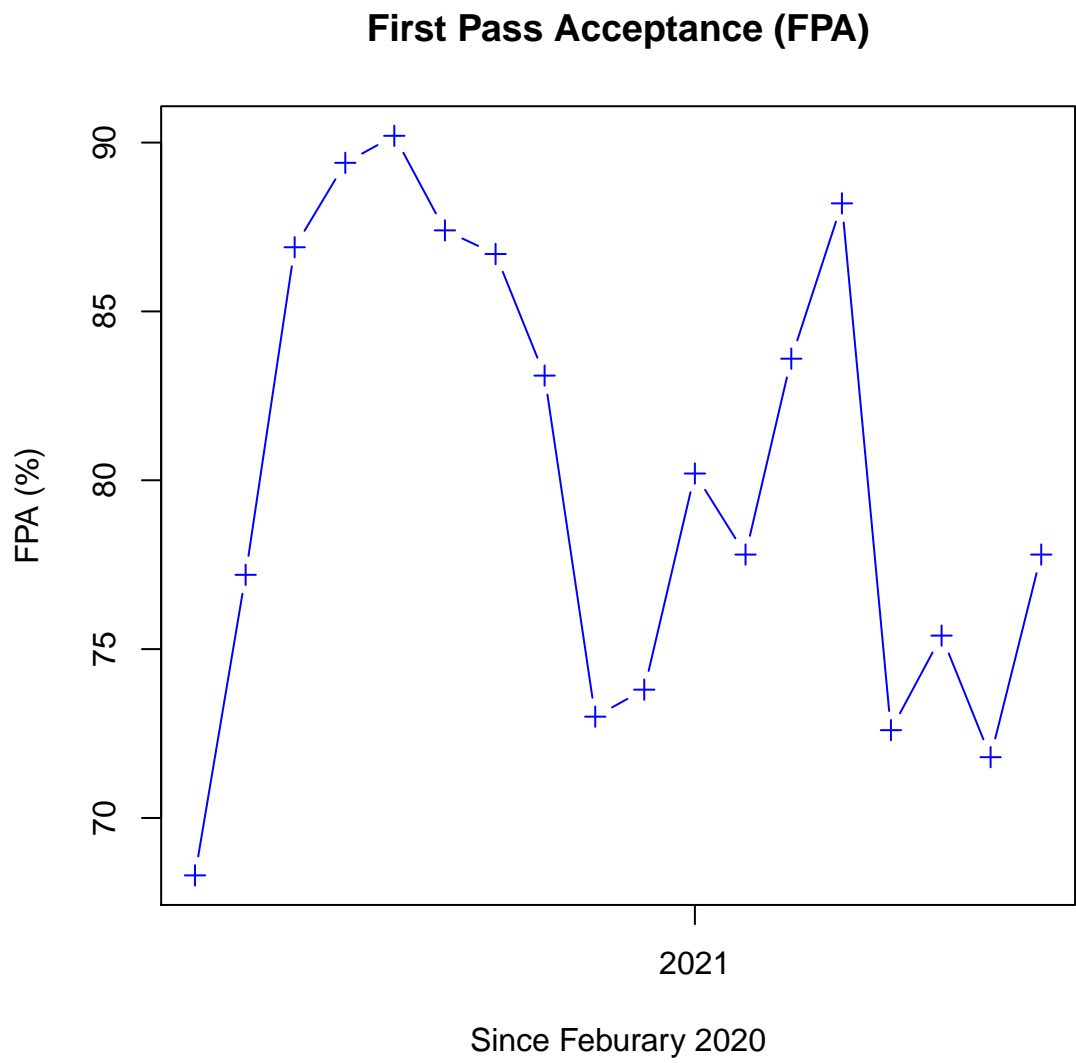
First Pass Acceptance (FPA)
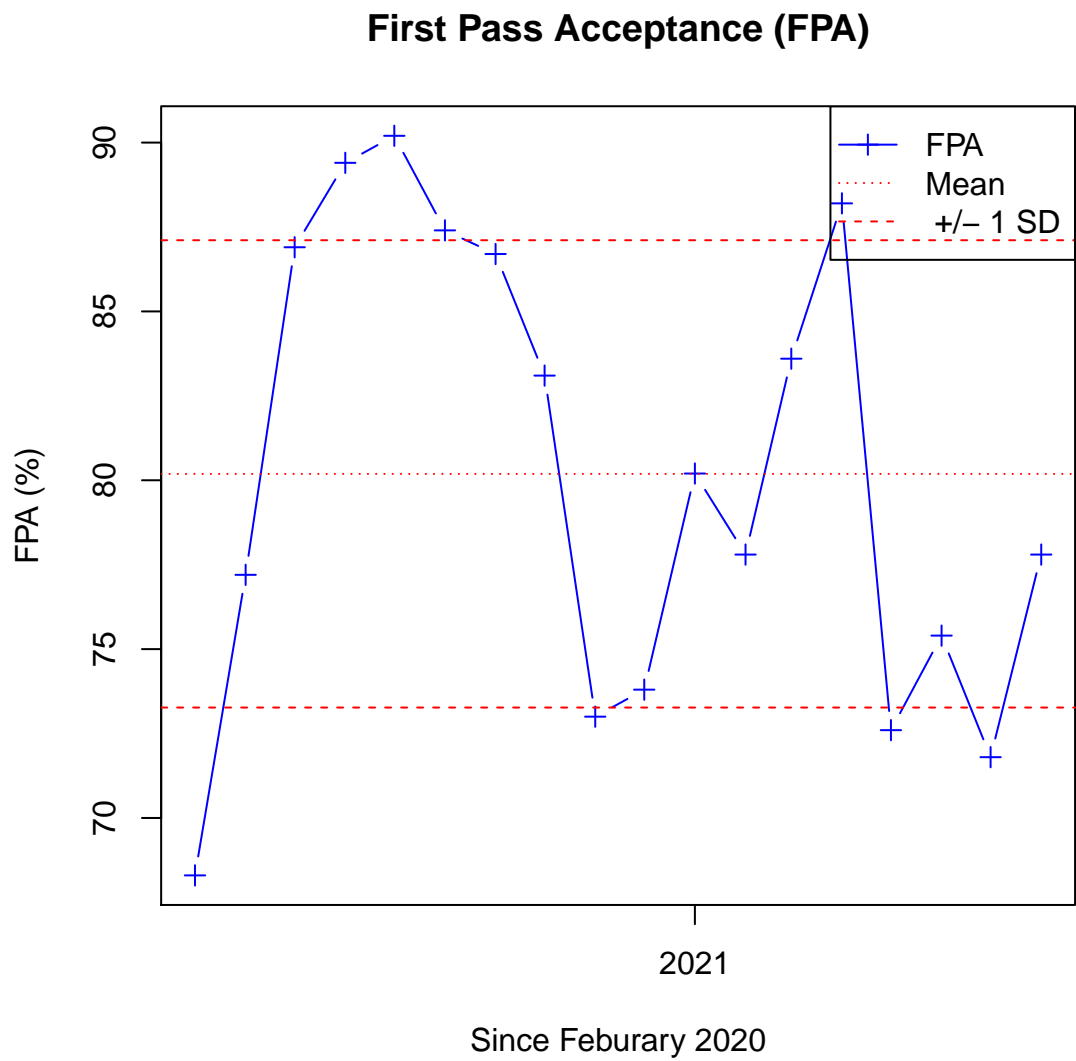

Figure 4: First Pass Acceptance

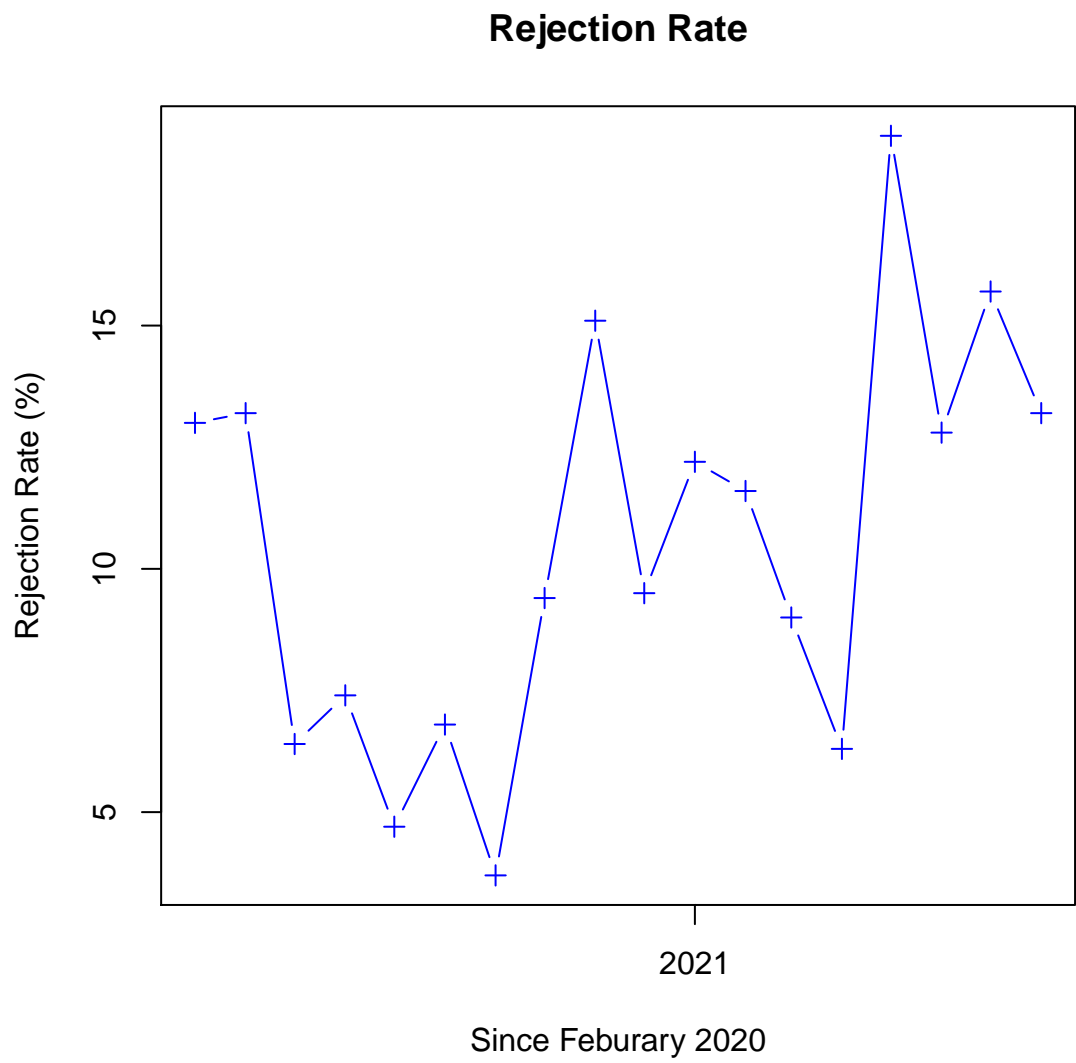Figure 5: First Pass Acceptance with Control Lines
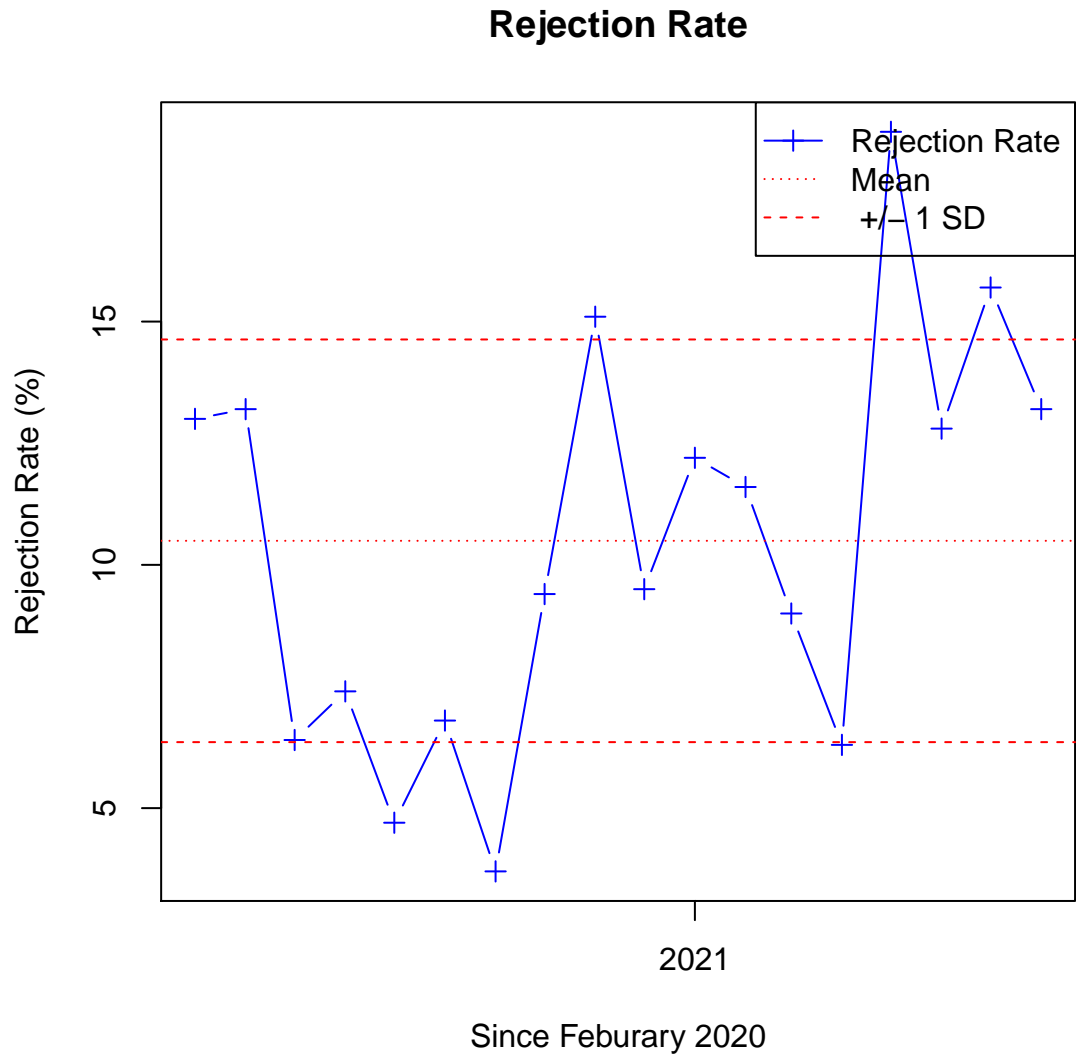
Figure 6: Rejection Rate

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