Dallas SQA Metric Items From FPA Spreadsheet - June 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_Dallas.xlsx". [1] This is for the month of June 2021.[2]

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1 First Pass Acceptance Results

For the month of June 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: Wednesday 7th July, 2021 at 16:23

Projects Started	4
Projects Completed	2
Items Reviewed	122
Items Rejected	43
First Pass Acceptance Rate	25.4 %
Rejection Rate	35.2 %

Table 1: First Pass Acceptance Results for June 2021

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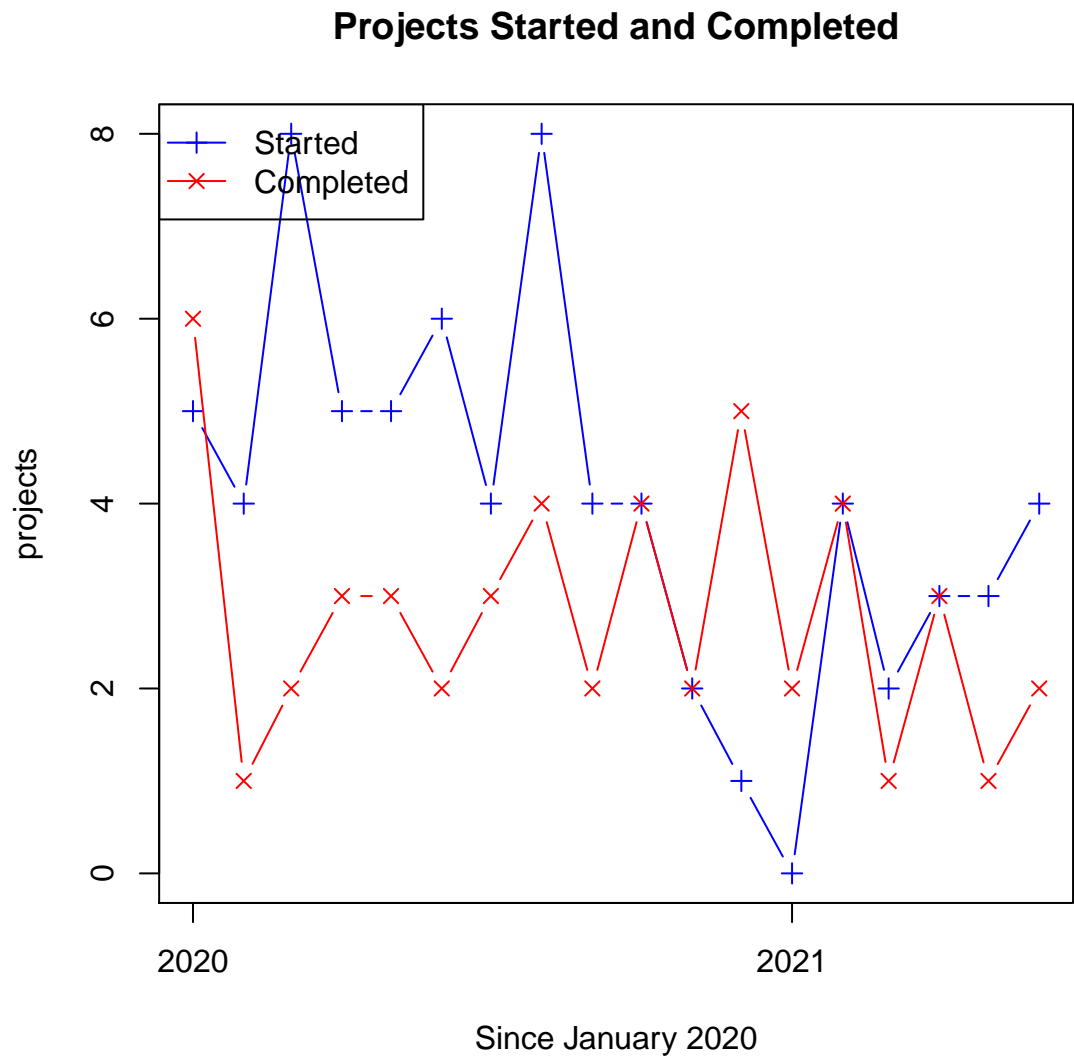
Trend graphs reflect the past 18 months of data.
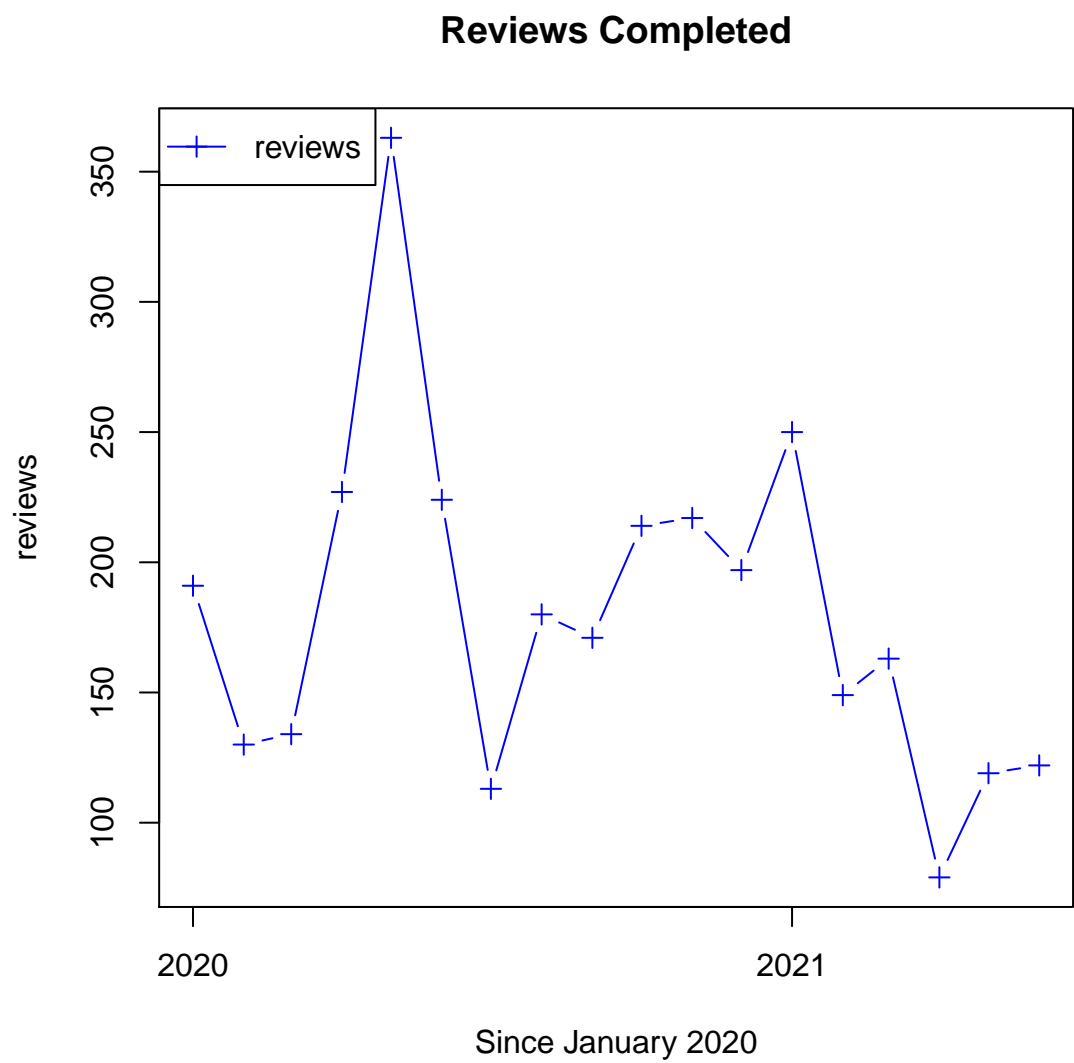
Projects Started and Completed

Figure 1: Projects Started and Completed
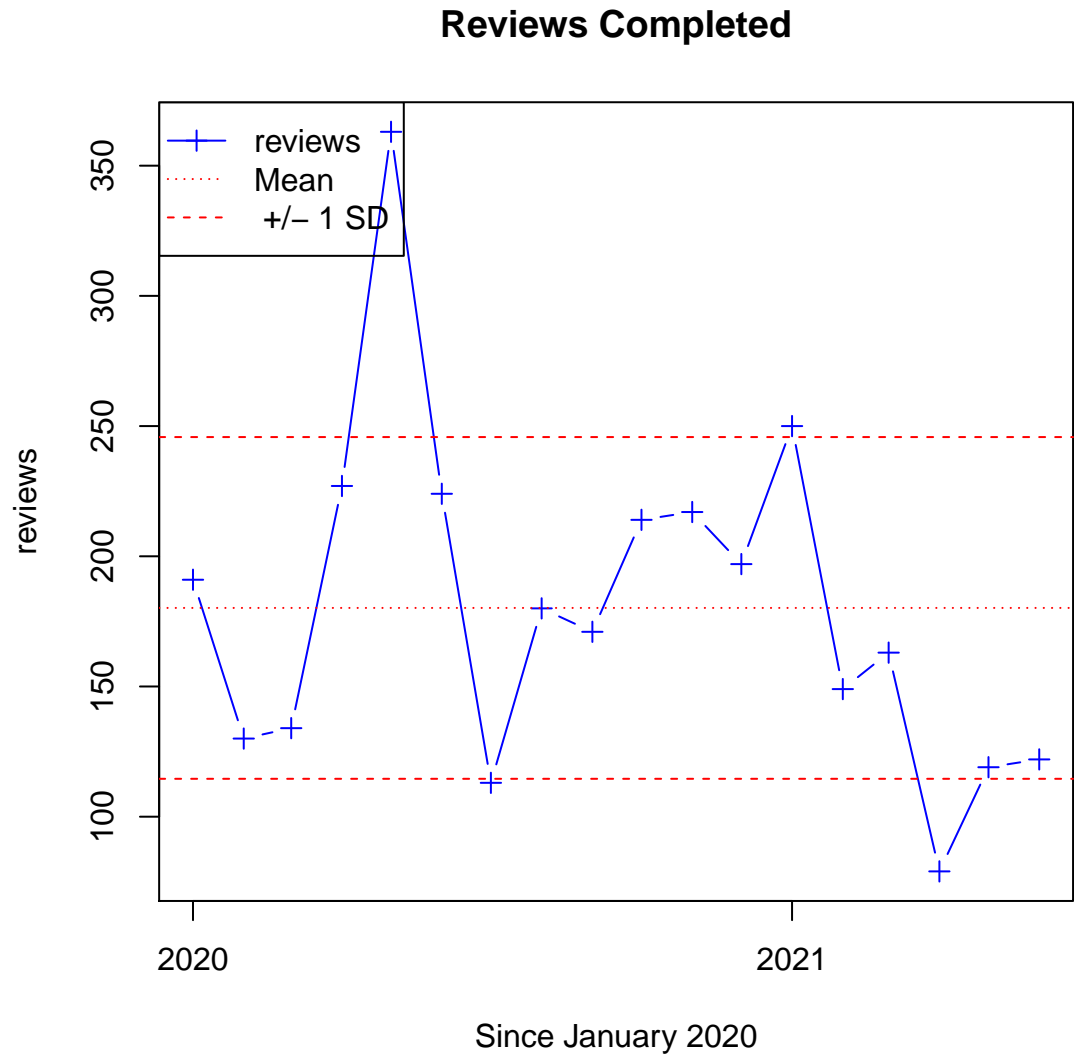
Reviews Completed

Figure 2: Reviews Completed

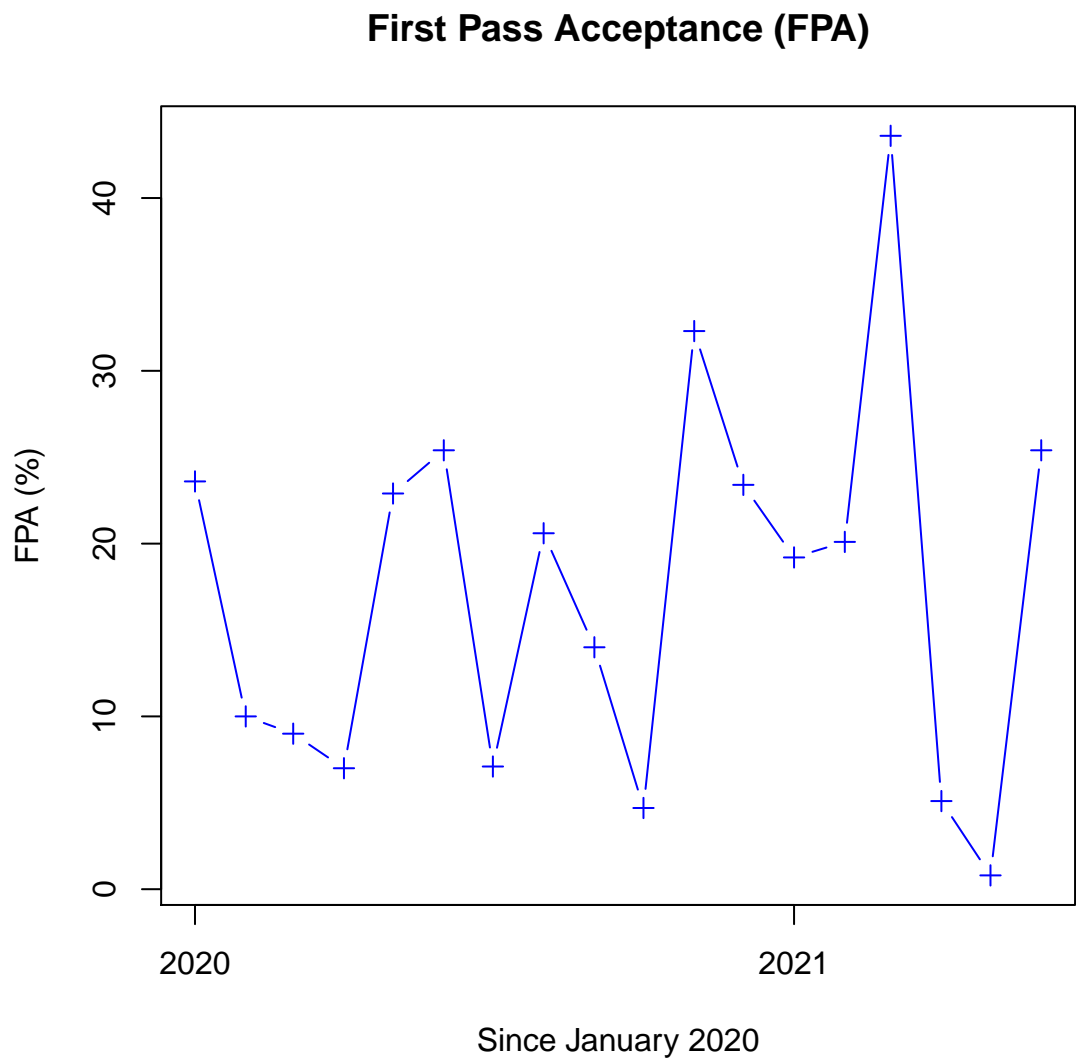Figure 3: Reviews Completed with Control Lines

First Pass Acceptance (FPA)

Figure 4: First Pass Acceptance
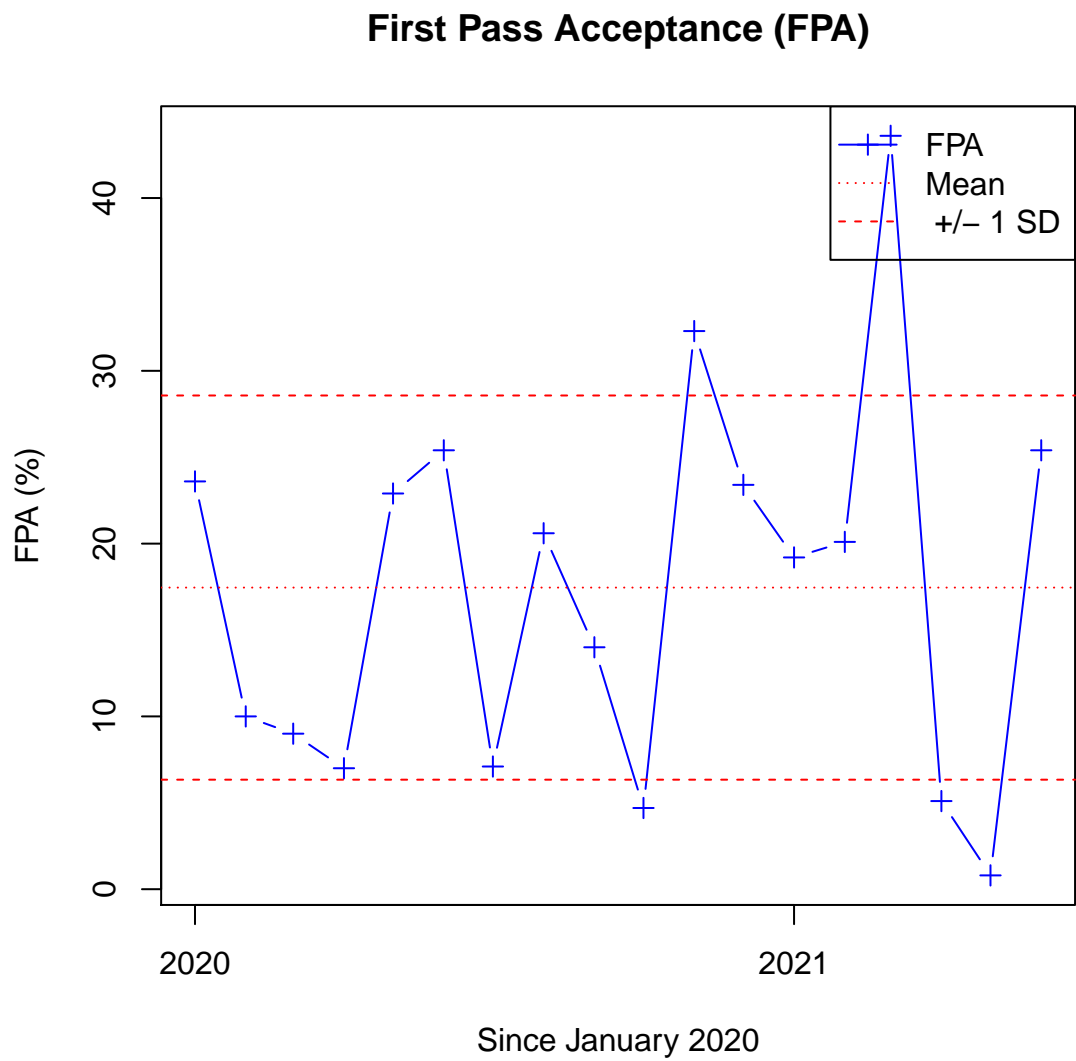
Figure 5: First Pass Acceptance with Control Lines

Rejection Rate

Figure 6: Rejection Rate
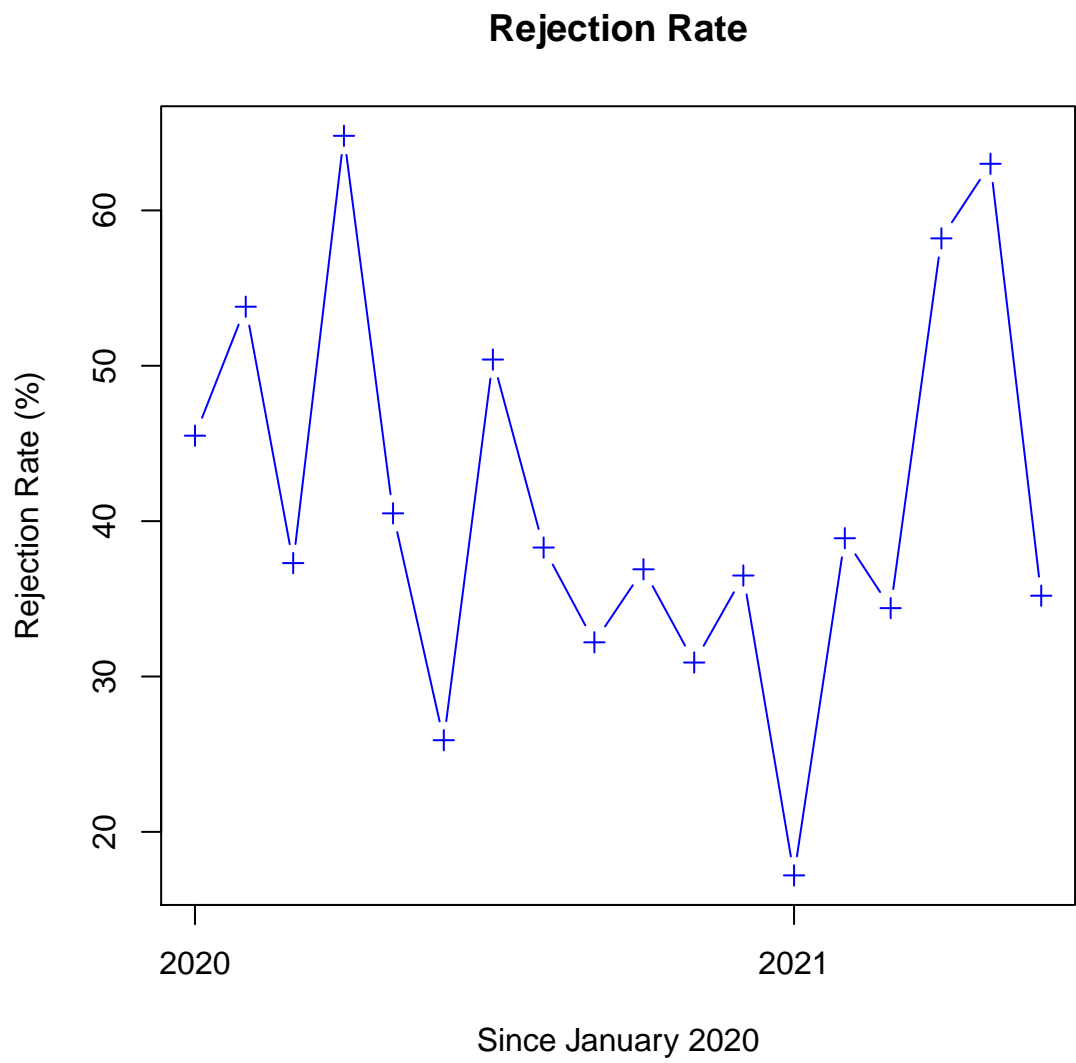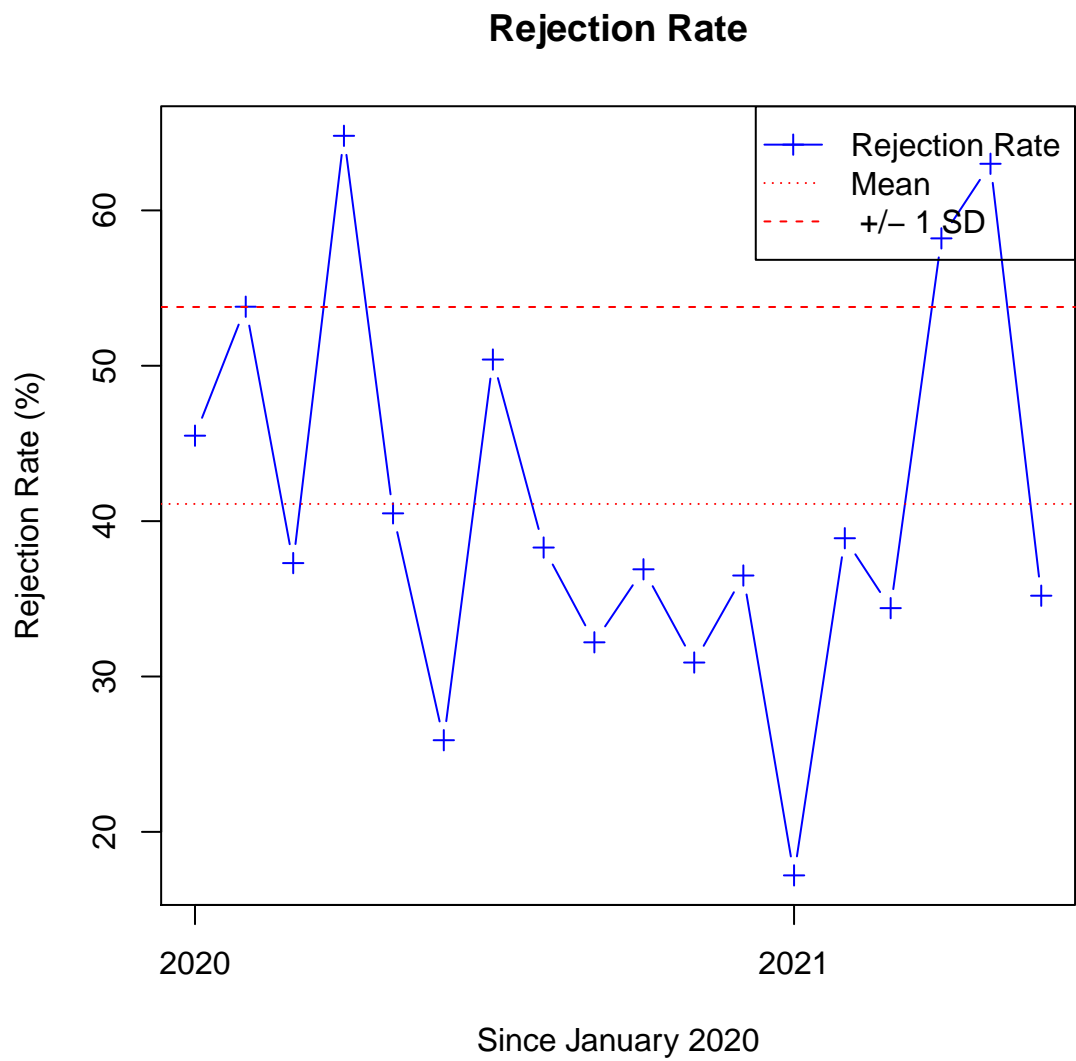
Rejection Rate

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$_\varepsilon$ a
typeseting program to produce a PDF file. LaTeX 2$_\varepsilon$ in implented in MiTeX.
LaTeX 2$_\varepsilon$ 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