

# LC/Div SQA Metric Items From FPA Spreadsheet - March 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".<sup>1</sup> This is for the month of March 2021.<sup>2</sup>

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## 1 First Pass Acceptance Results

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

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<sup>1</sup>data is stored on the dept 09HD share drive

<sup>2</sup>Date Ran: Tuesday 6<sup>th</sup> April, 2021 at 11:49

Projects Started	14
Projects Completed	11
Items Reviewed	591
Items Rejected	53
First Pass Acceptance Rate	83.6 %
Rejection Rate	9 %

Table 1: First Pass Acceptance Results for March 2021

## 2 Trending Graphs

Trend graphs reflect the past 18 months of data.

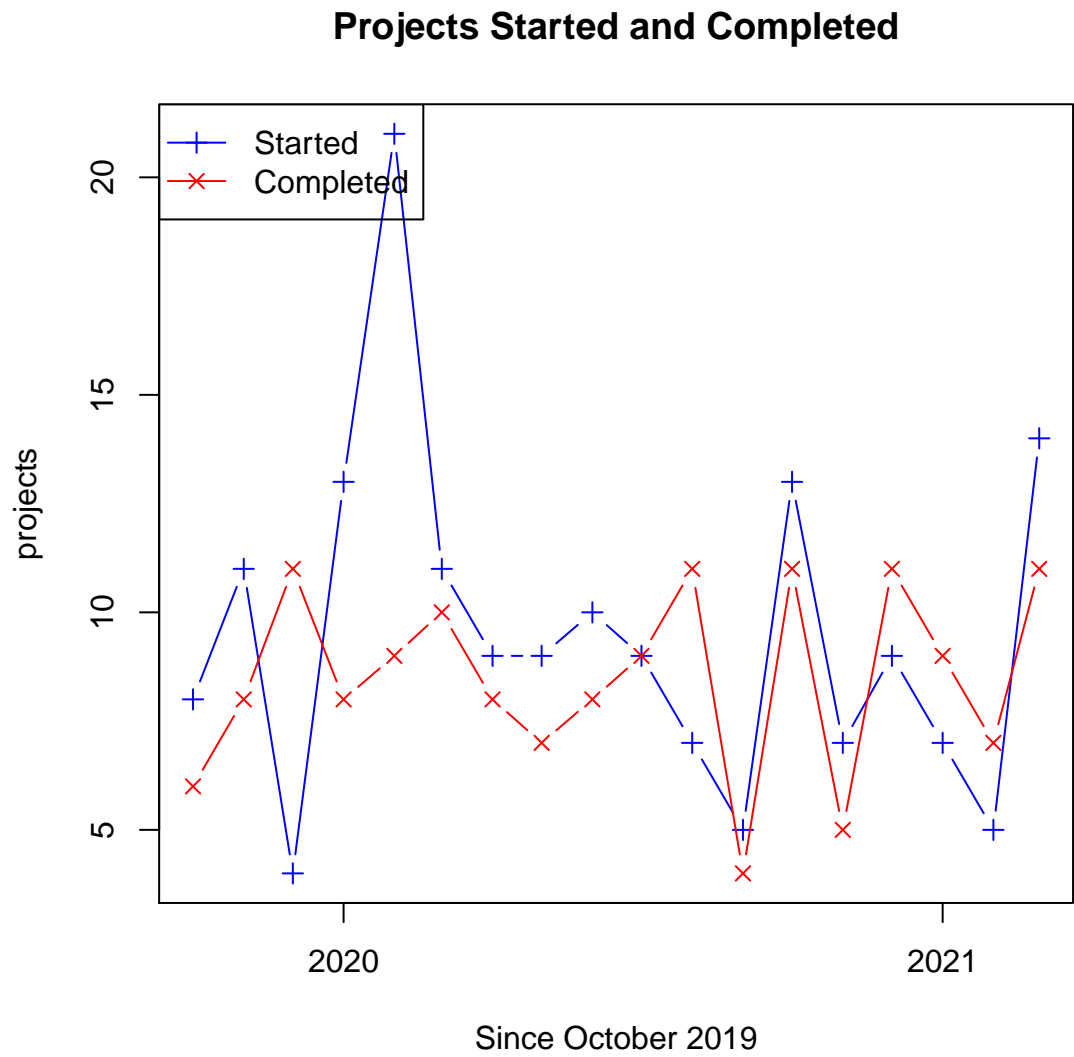


Figure 1: Projects Started and Completed

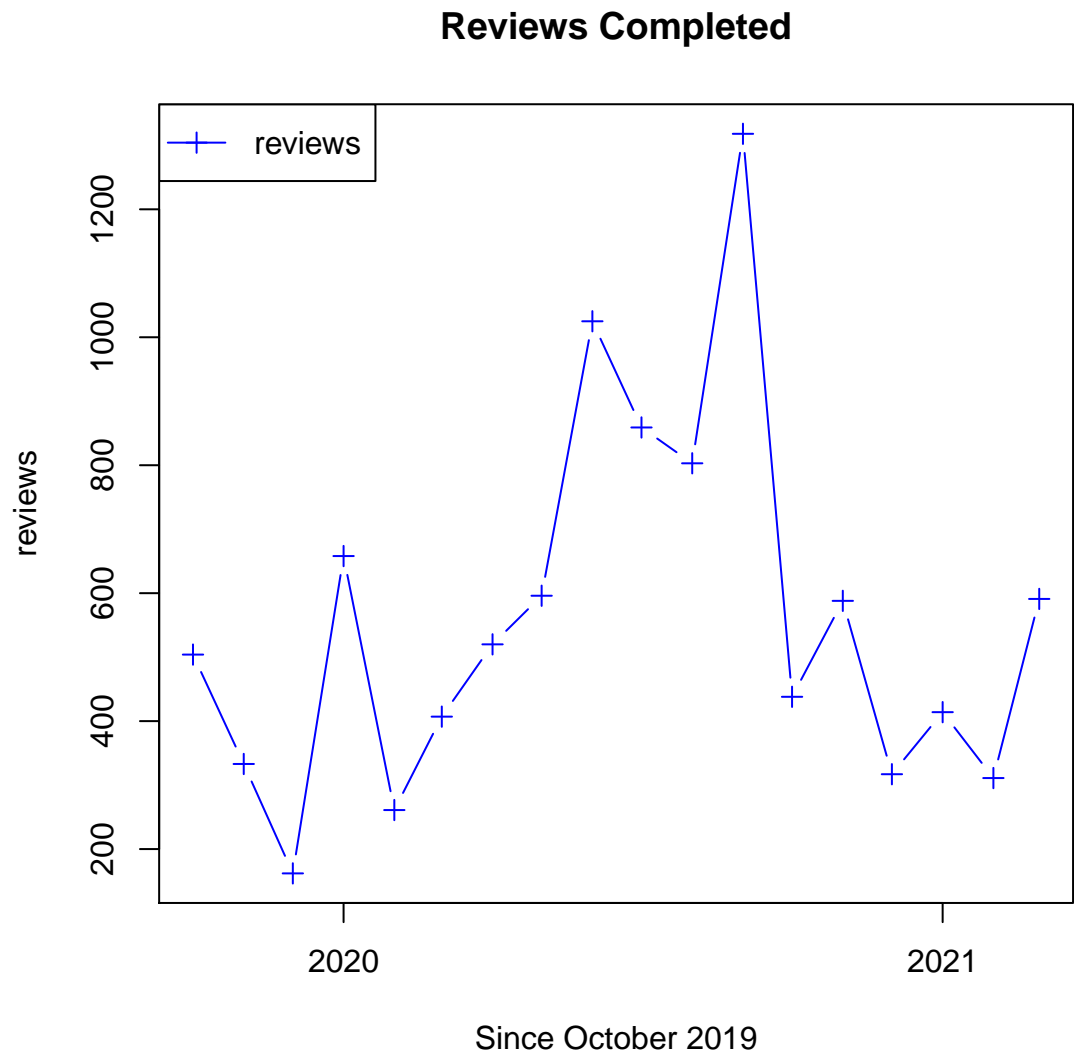


Figure 2: Reviews Completed

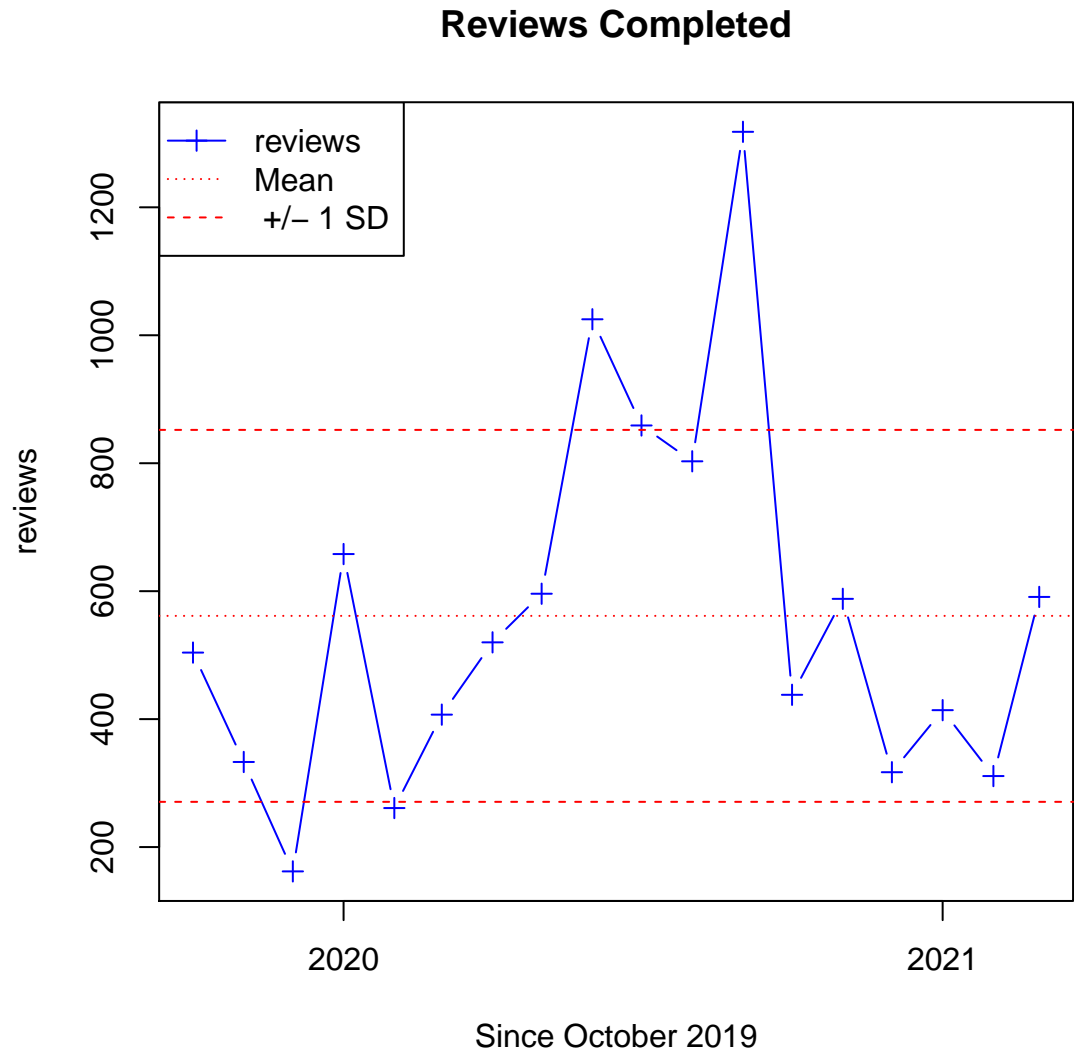


Figure 3: Reviews Completed with Control Lines

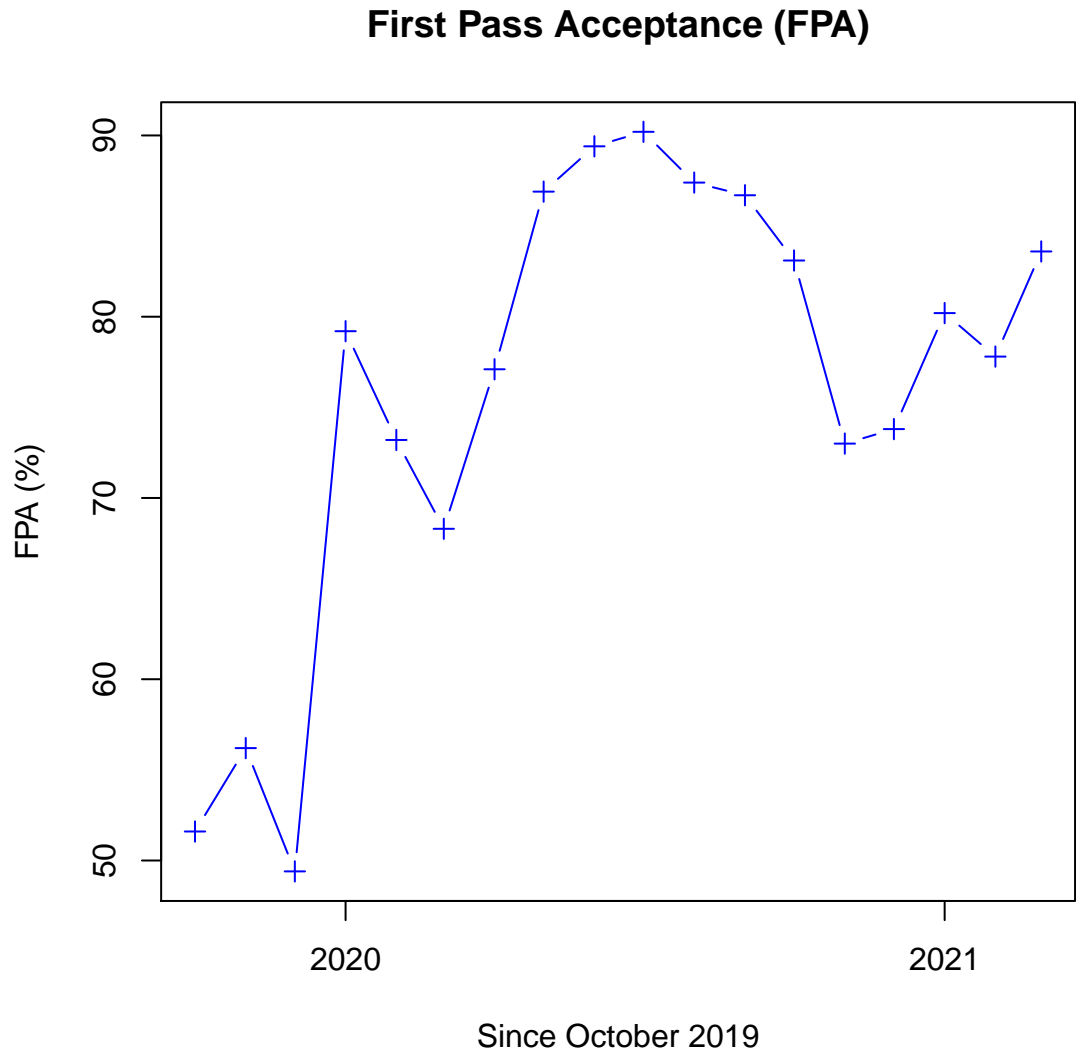


Figure 4: First Pass Acceptance

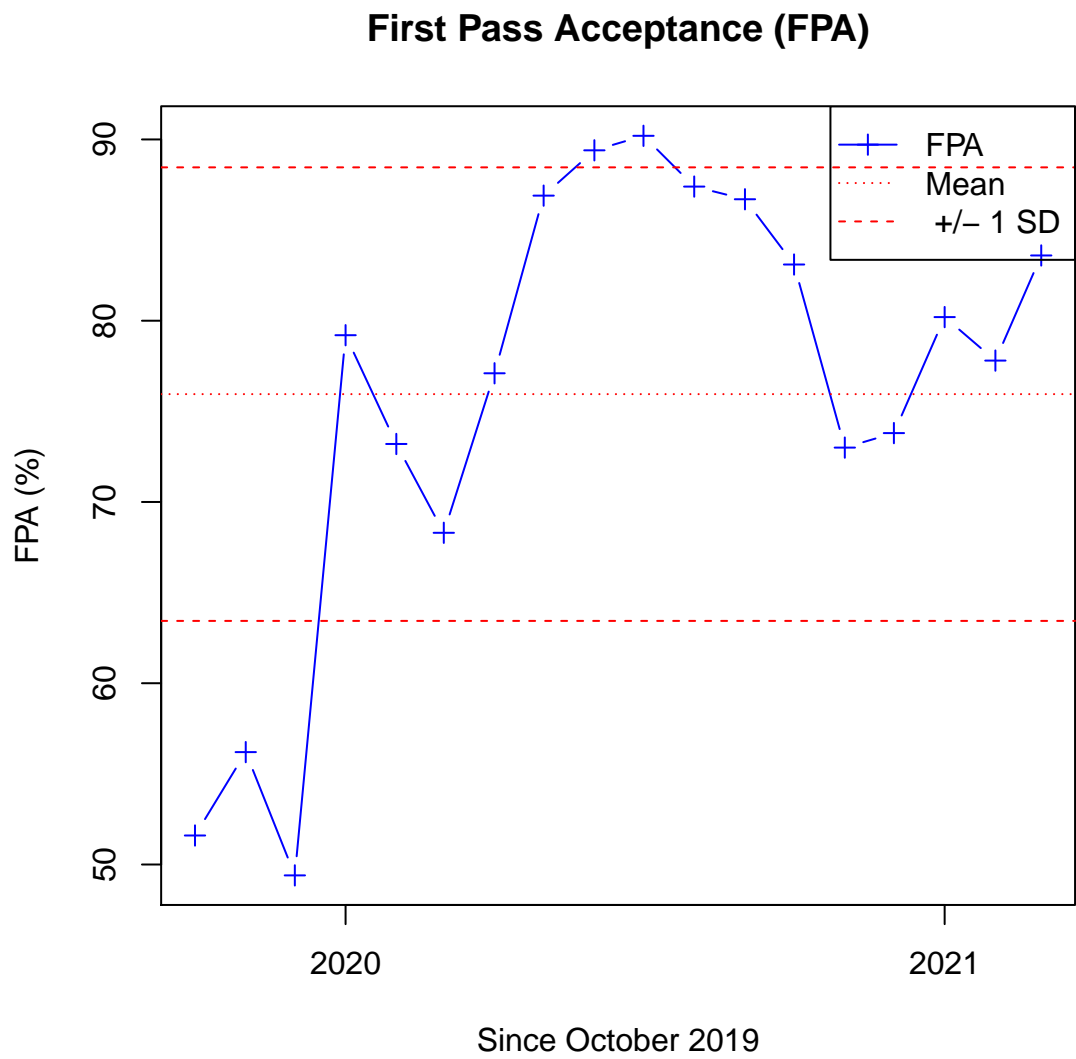


Figure 5: First Pass Acceptance with Control Lines

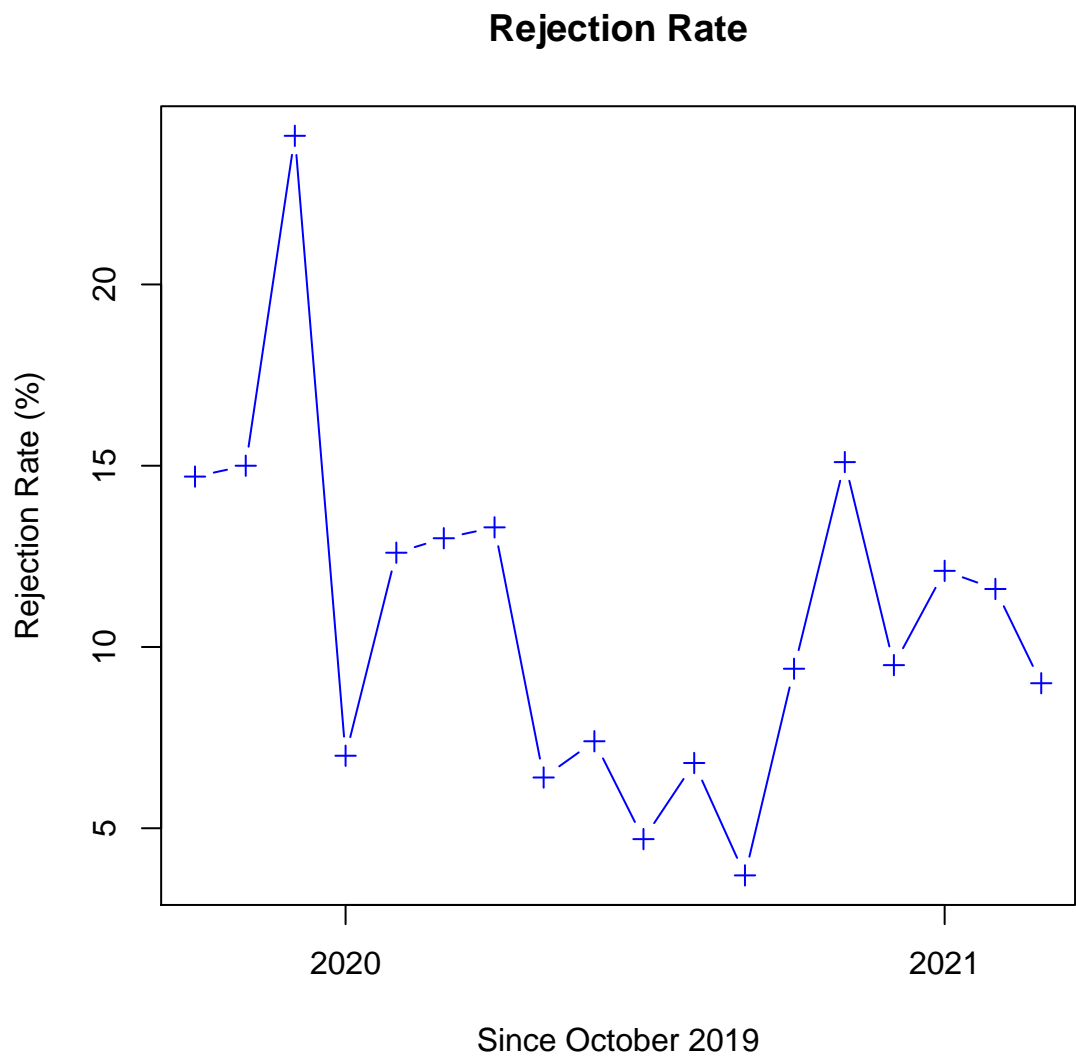


Figure 6: Rejection Rate



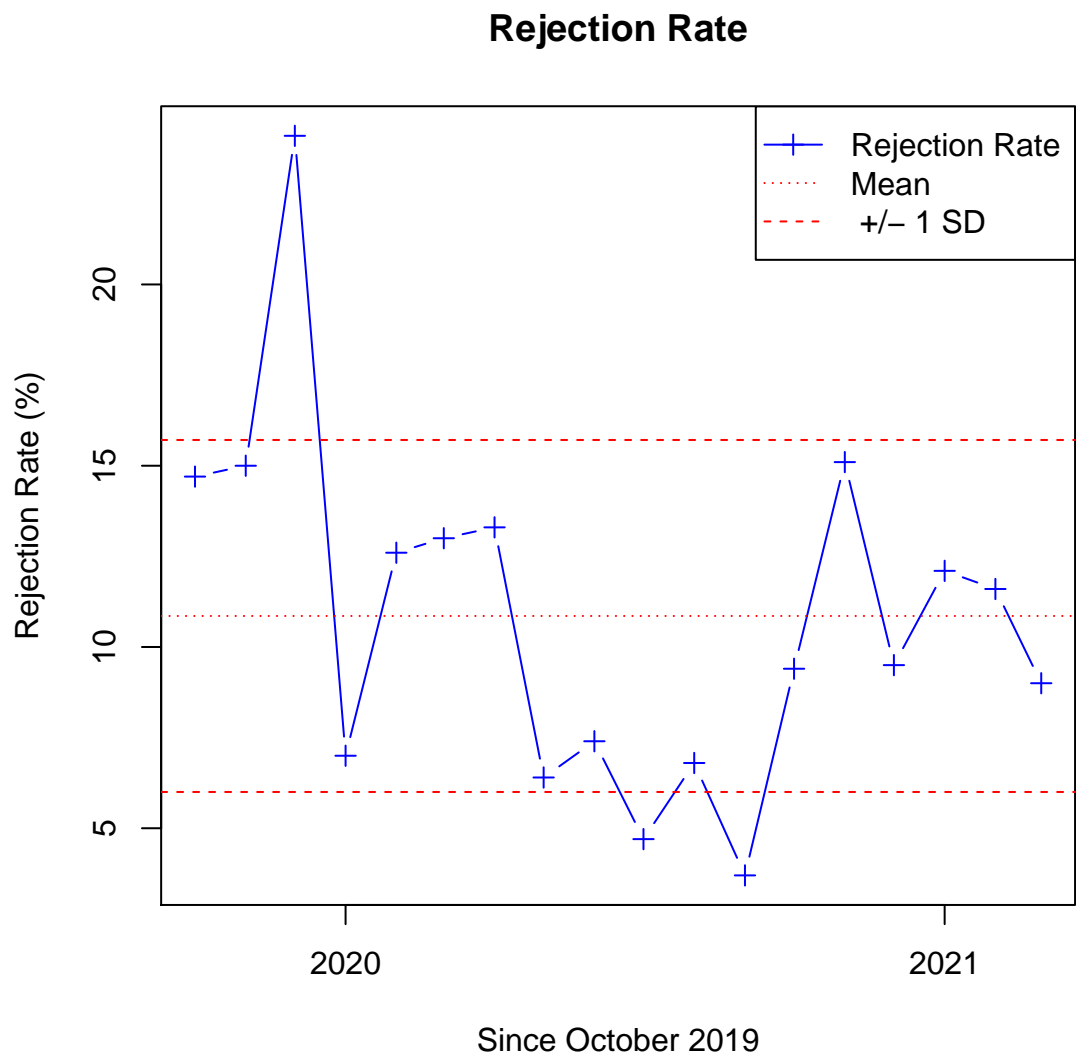


Figure 7: Rejection Rate with Control Lines

## 3 Methods

### Data Processing

The data is processed using R<sup>3</sup>, version 3.6.3=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 L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> a typeseting program to produce a PDF file. L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> in implented in MiT<sub>E</sub>X. L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> 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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<sup>3</sup>RStudio is utilized as an IDE