Combined SQA Metric Items From FPA Spreadsheets - March 2021

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Abstract

Presentation of First Pass Acceptance of SLC documentation. This is derived from the Excel workbooks that Software Quality Assurance collected called "First Pass Acceptance.xlsx", "First Pass Acceptance_Dallas.xlsx" and "First Pass Acceptance_Wiesbaden.xlsx".[1] This is for the month of March 2021.[2]

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1 First Pass Acceptance Results

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

[1] data is stored on the dept 09HD share drive
[2] Date Ran: Tuesday 6th April, 2021 at 11:42

Projects Started	16
Projects Completed	12
Items Reviewed	909
Items Rejected	114
First Pass Acceptance Rate	74.1 %
Rejection Rate	12.5 %

Table 1: First Pass Acceptance Results for March 2021

2 Trending Graphs

Trend graphs reflect the past 18 months of data.

Note: The charts provided only contain data for the Wiesbaden team starting from January 2020.

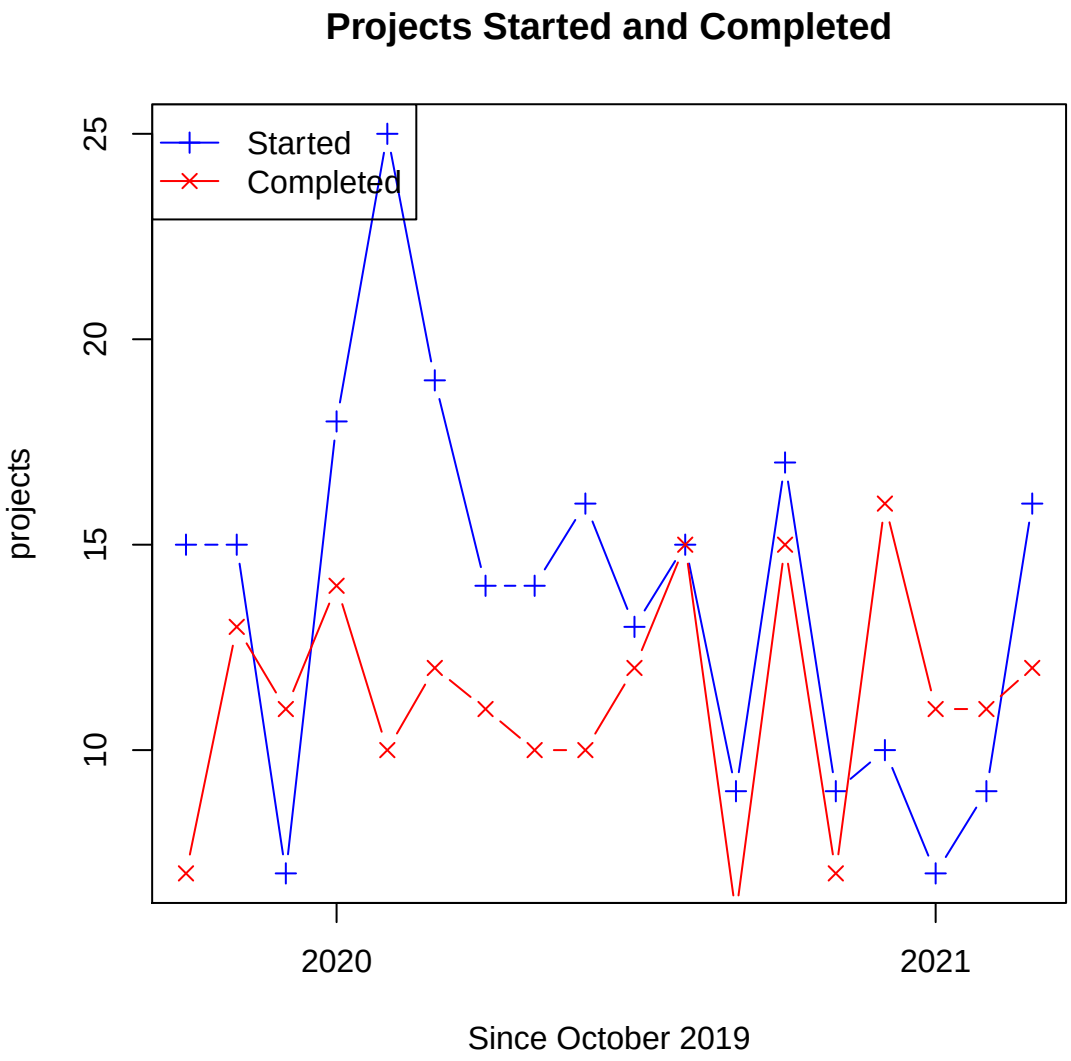

Figure 1: Projects Started and Completed

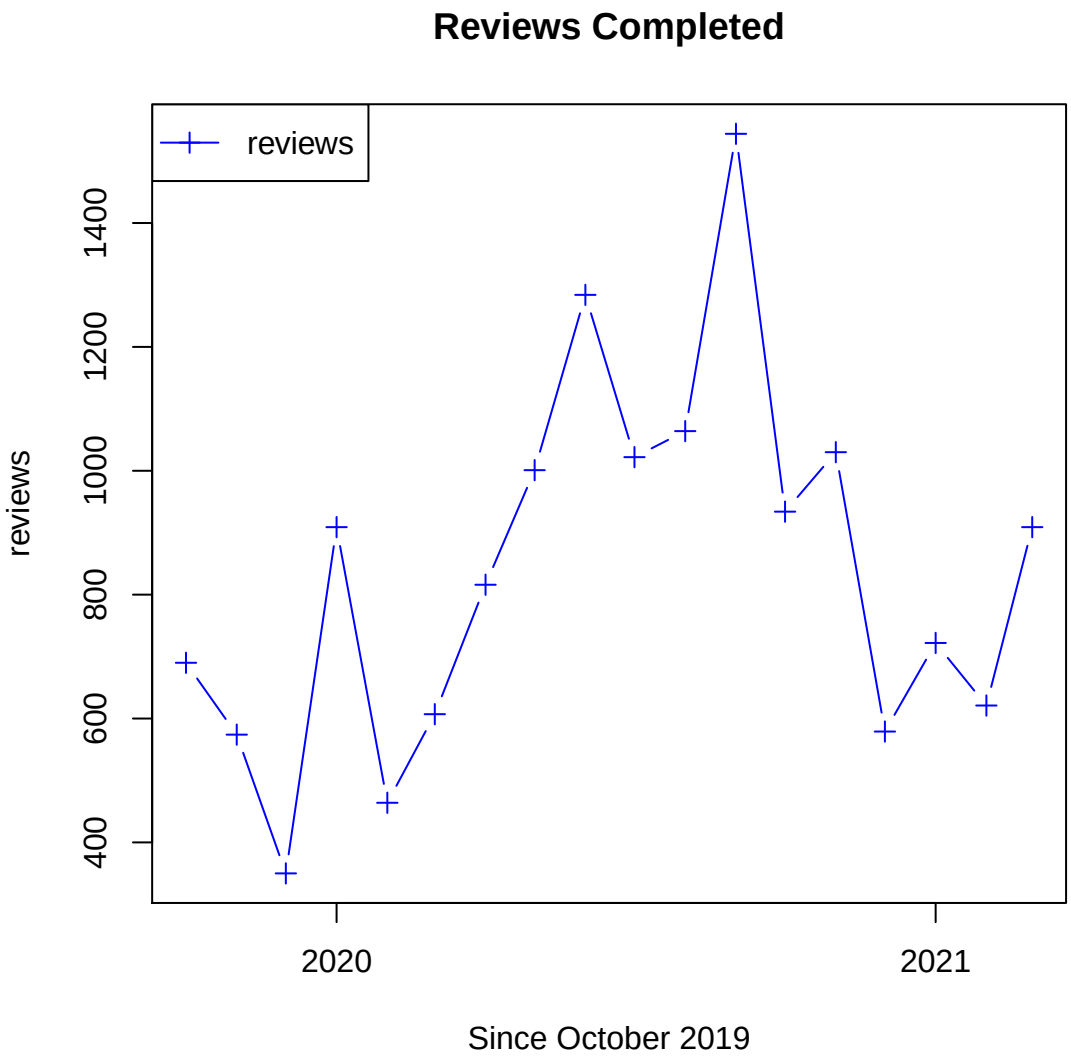

Figure 2: Reviews Completed

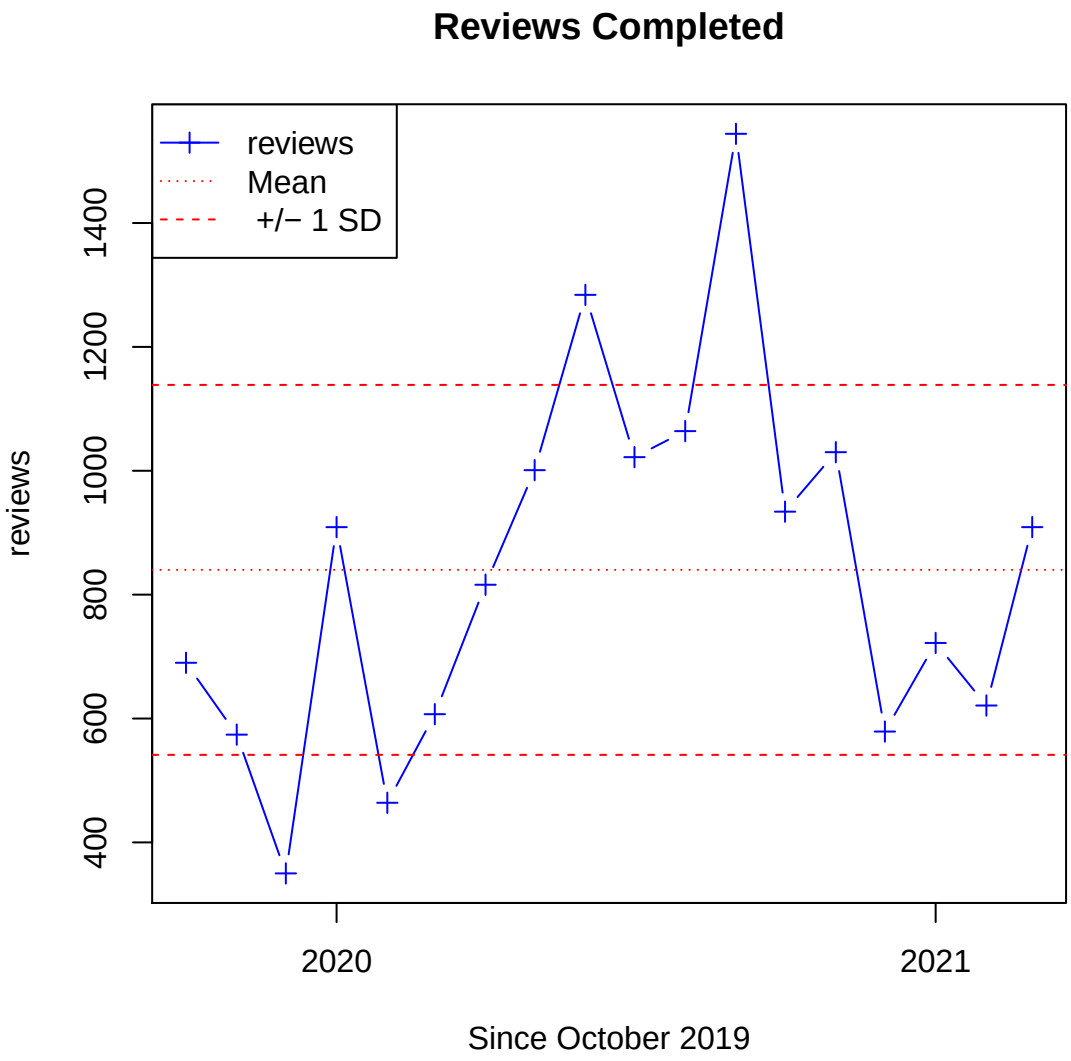

Figure 3: Reviews Completed with Control Lines

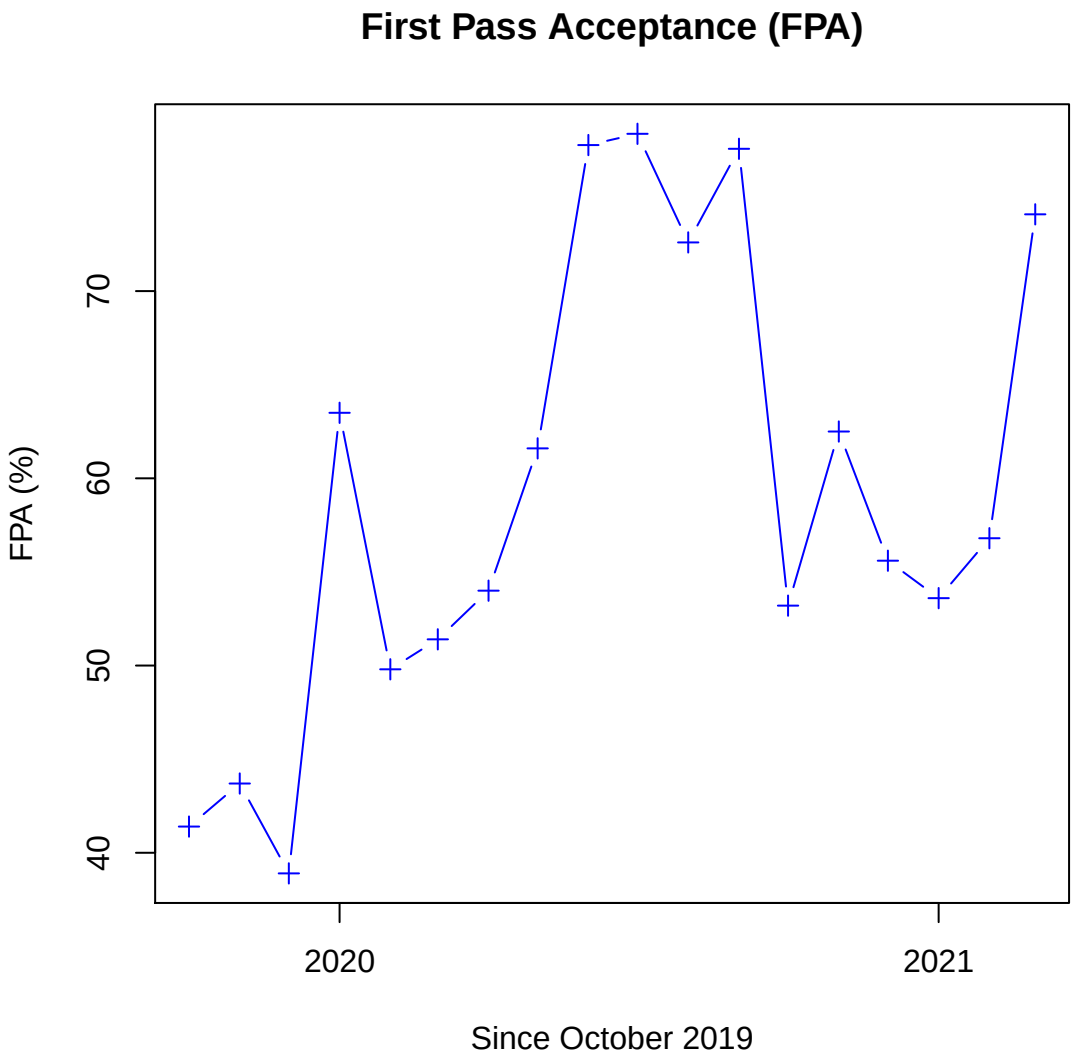

Figure 4: First Pass Acceptance

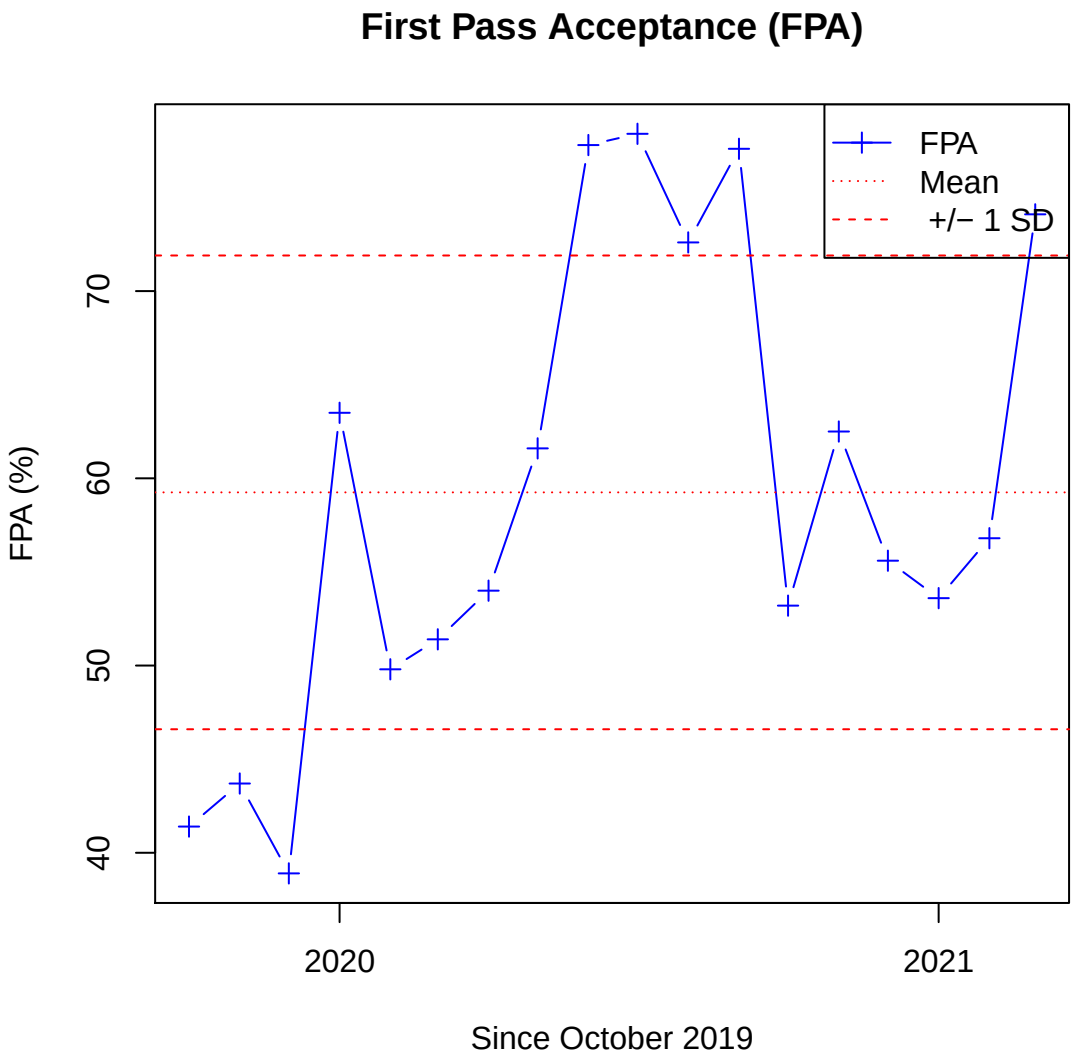

Figure 5: First Pass Acceptance with Control Lines

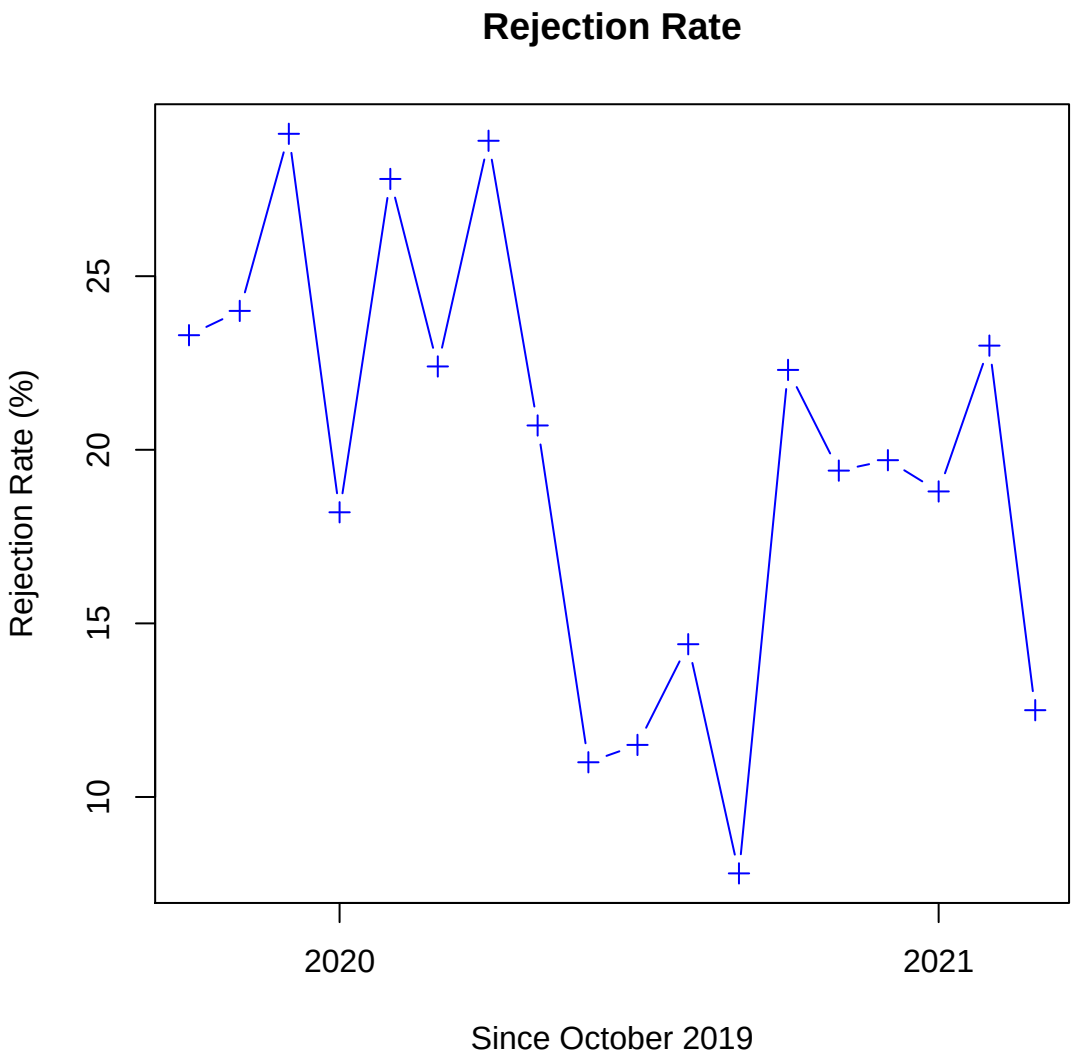

Figure 6: Rejection Rate

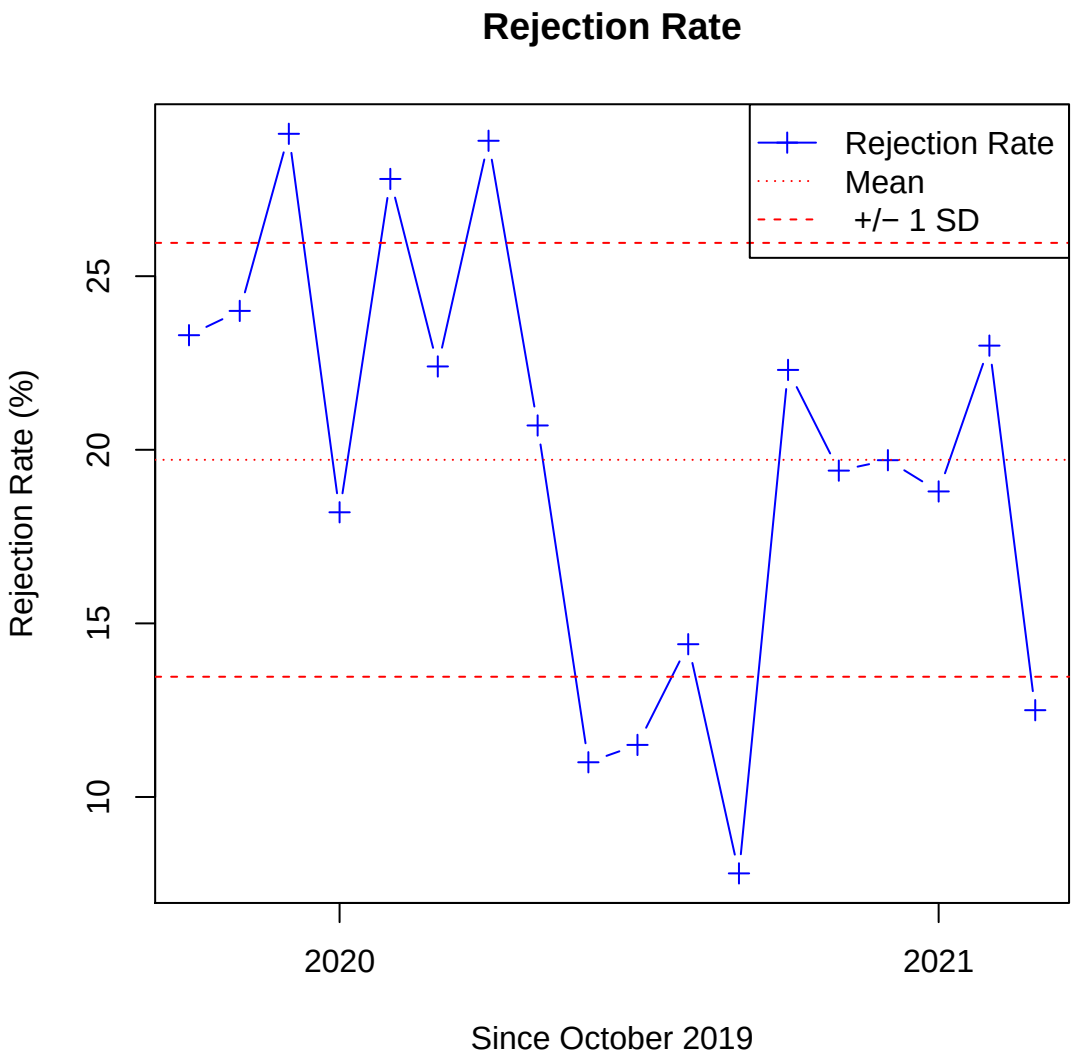

Figure 7: Rejection Rate with Control Lines

3 Methods

Data Processing

The data is processed using R[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

[3] RStudio is utilized as an IDE