

Dallas SQA Metric Items From FPA Spreadsheet - April 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 April 2021.²

Contents

1 First Pass Acceptance Results	1
2 Trending Graphs	2
3 Methods	10

List of Figures

1 Projects Started and Completed	3
2 Reviews Completed	4
3 Reviews Completed with Control Lines	5
4 First Pass Acceptance	6
5 First Pass Acceptance with Control Lines	7
6 Rejection Rate	8
7 Rejection Rate with Control Lines	9

1 First Pass Acceptance Results

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

¹data is stored on the dept 09HD share drive

²Date Ran: Wednesday 5th May, 2021 at 09:36

Projects Started	3
Projects Completed	3
Items Reviewed	79
Items Rejected	46
First Pass Acceptance Rate	5.1 %
Rejection Rate	58.2 %

Table 1: First Pass Acceptance Results for April 2021

2 Trending Graphs

Trend graphs reflect the past 18 months of data.

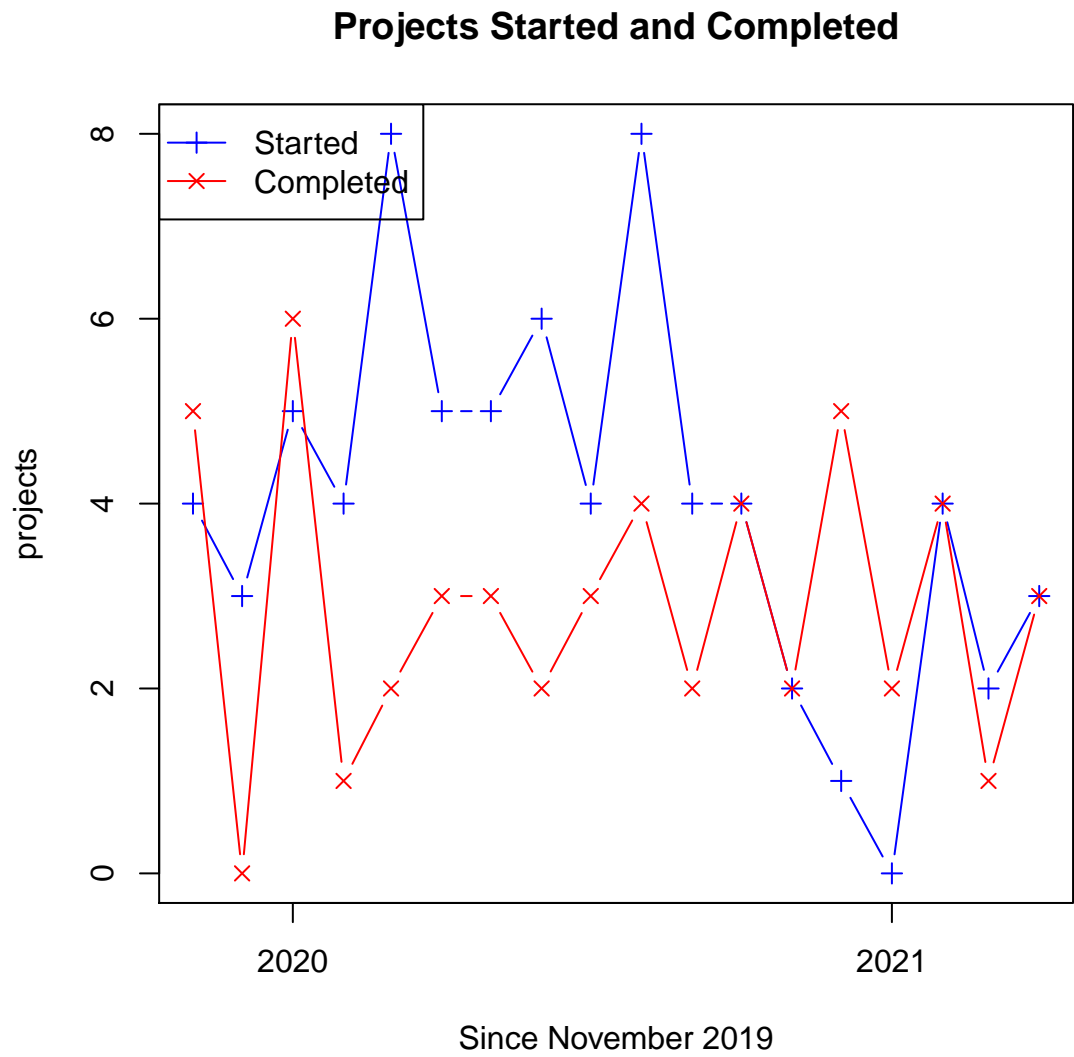


Figure 1: Projects Started and Completed

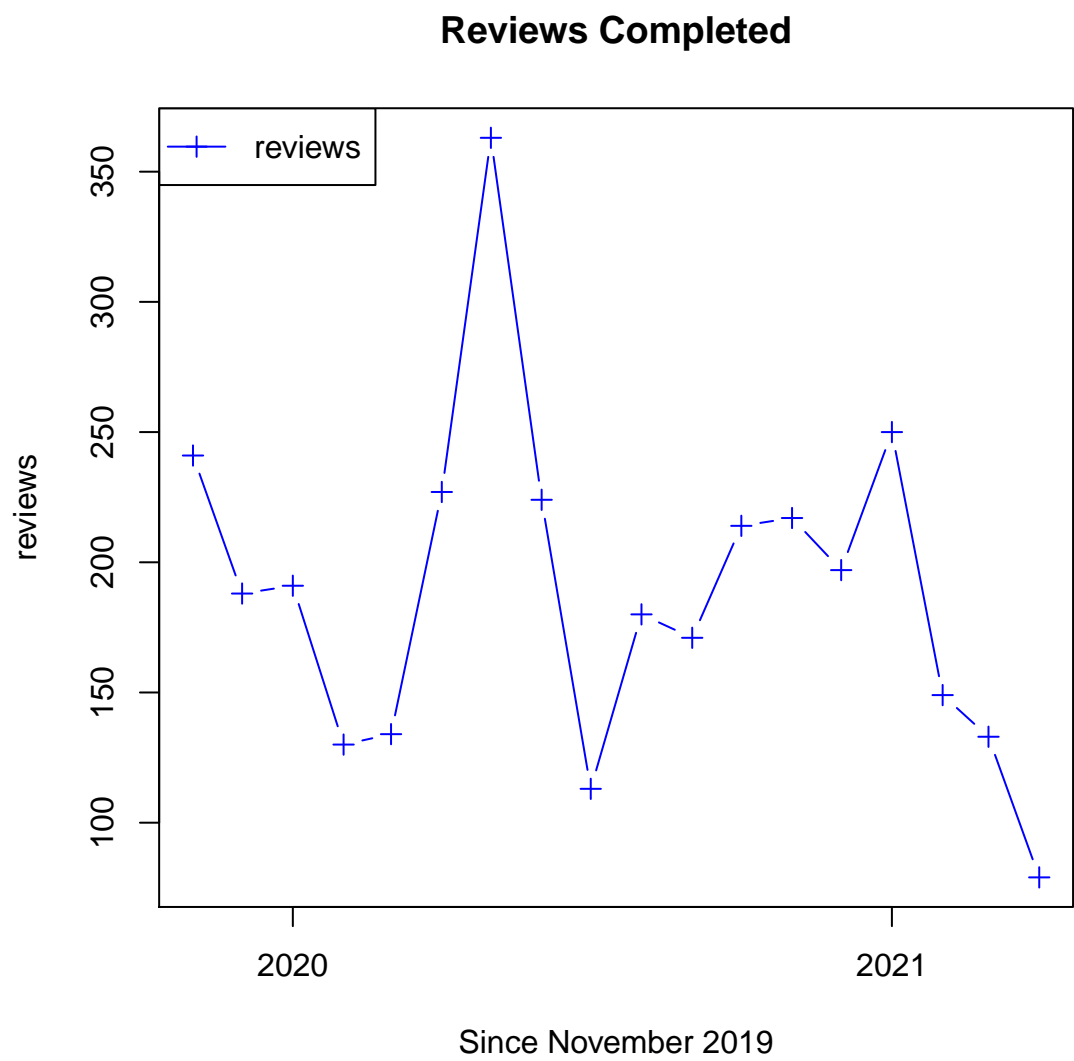


Figure 2: Reviews Completed

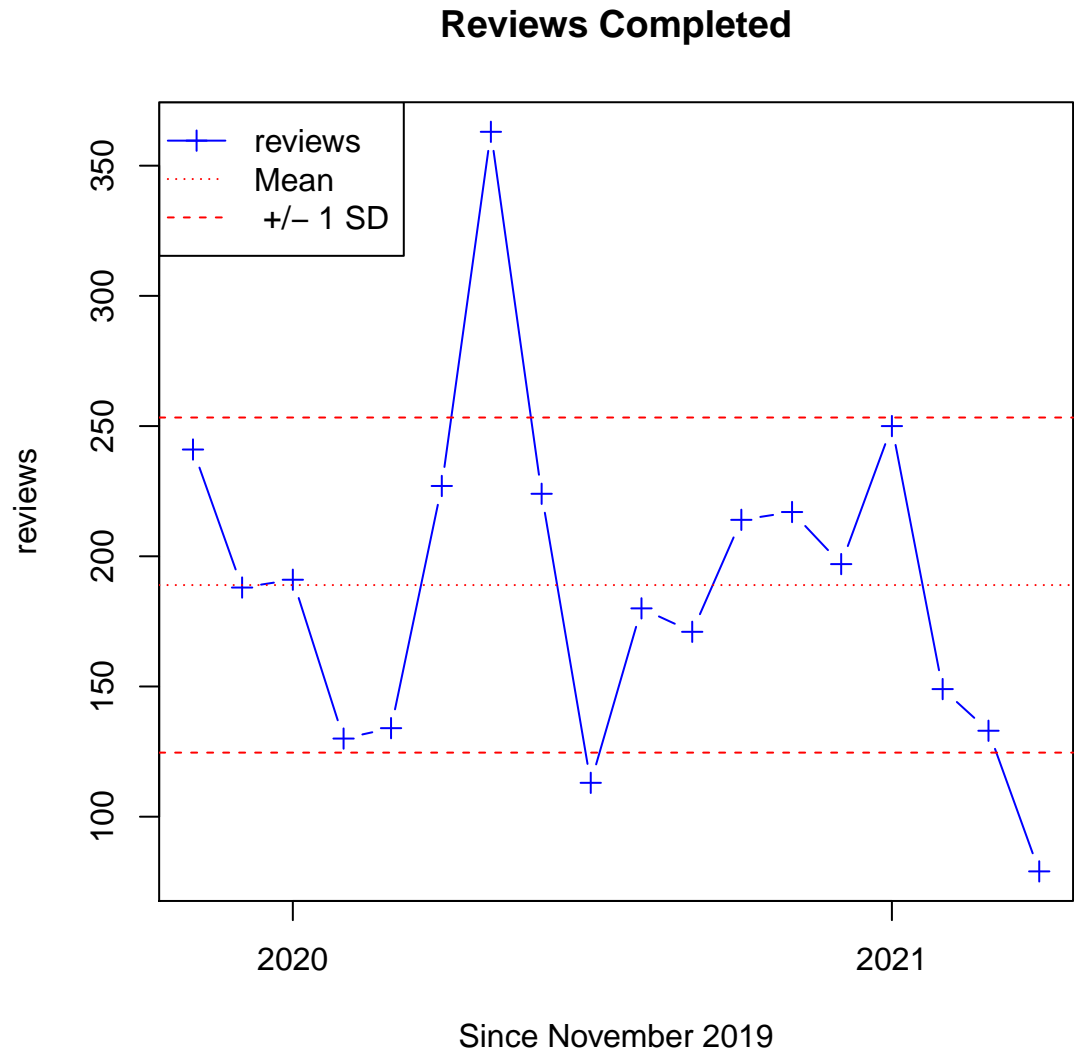


Figure 3: Reviews Completed with Control Lines

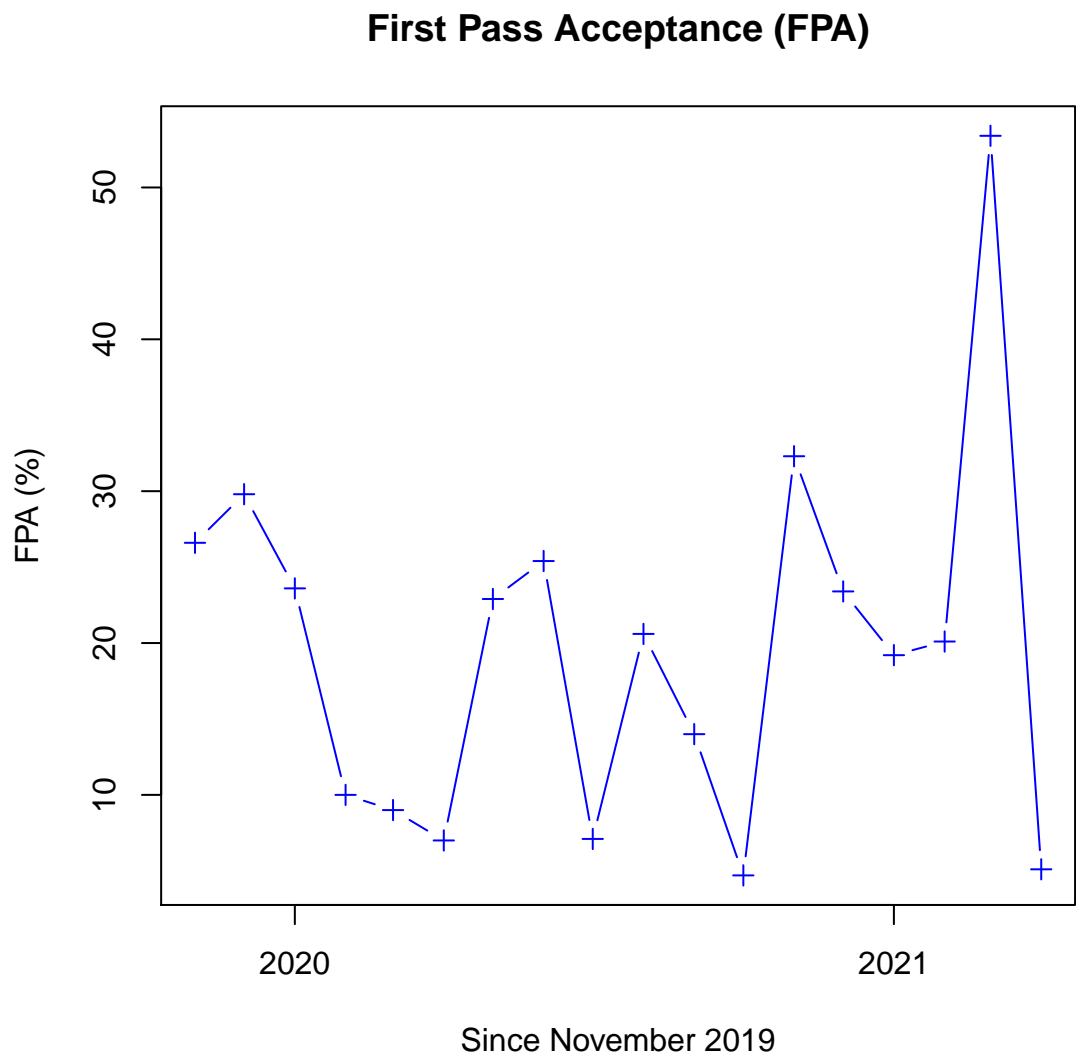


Figure 4: First Pass Acceptance

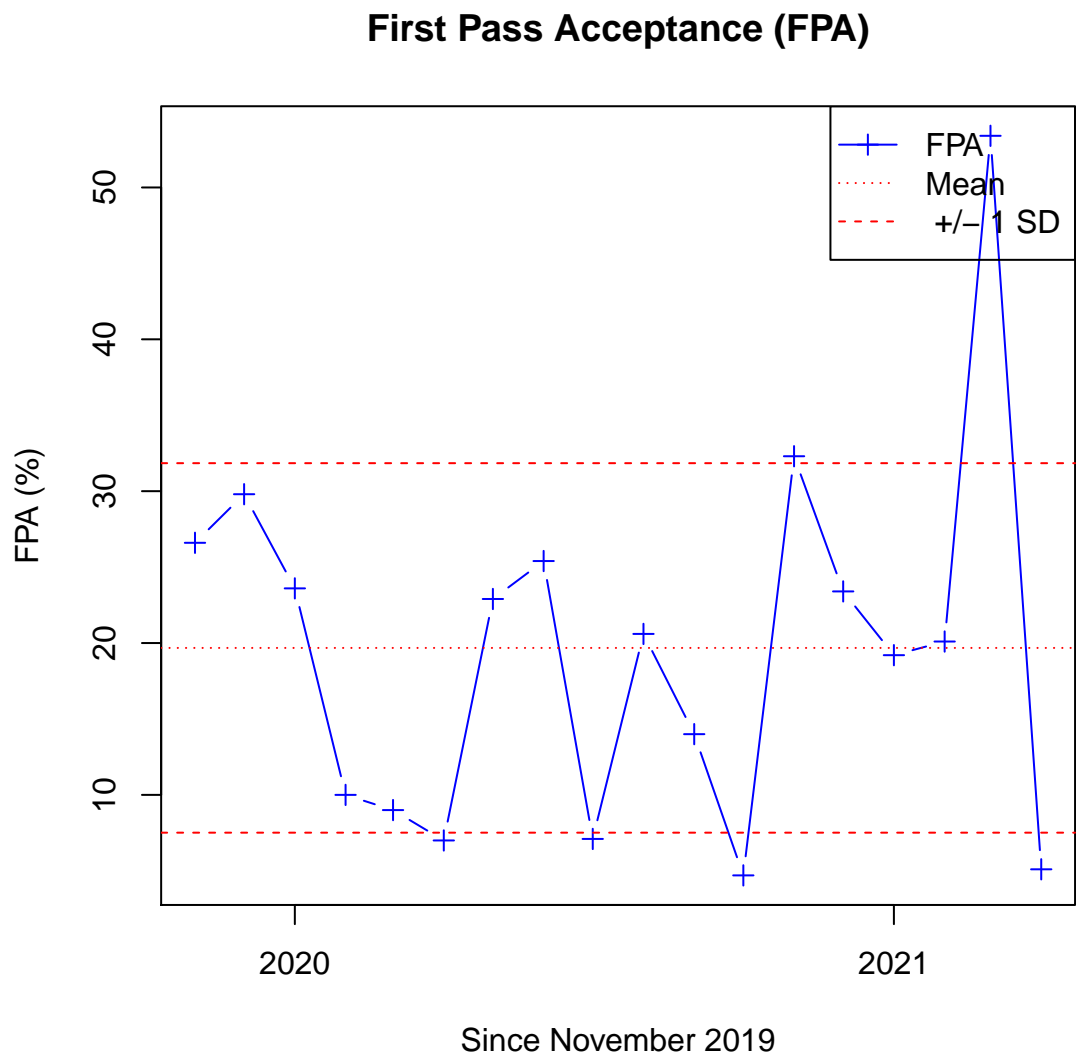


Figure 5: First Pass Acceptance with Control Lines

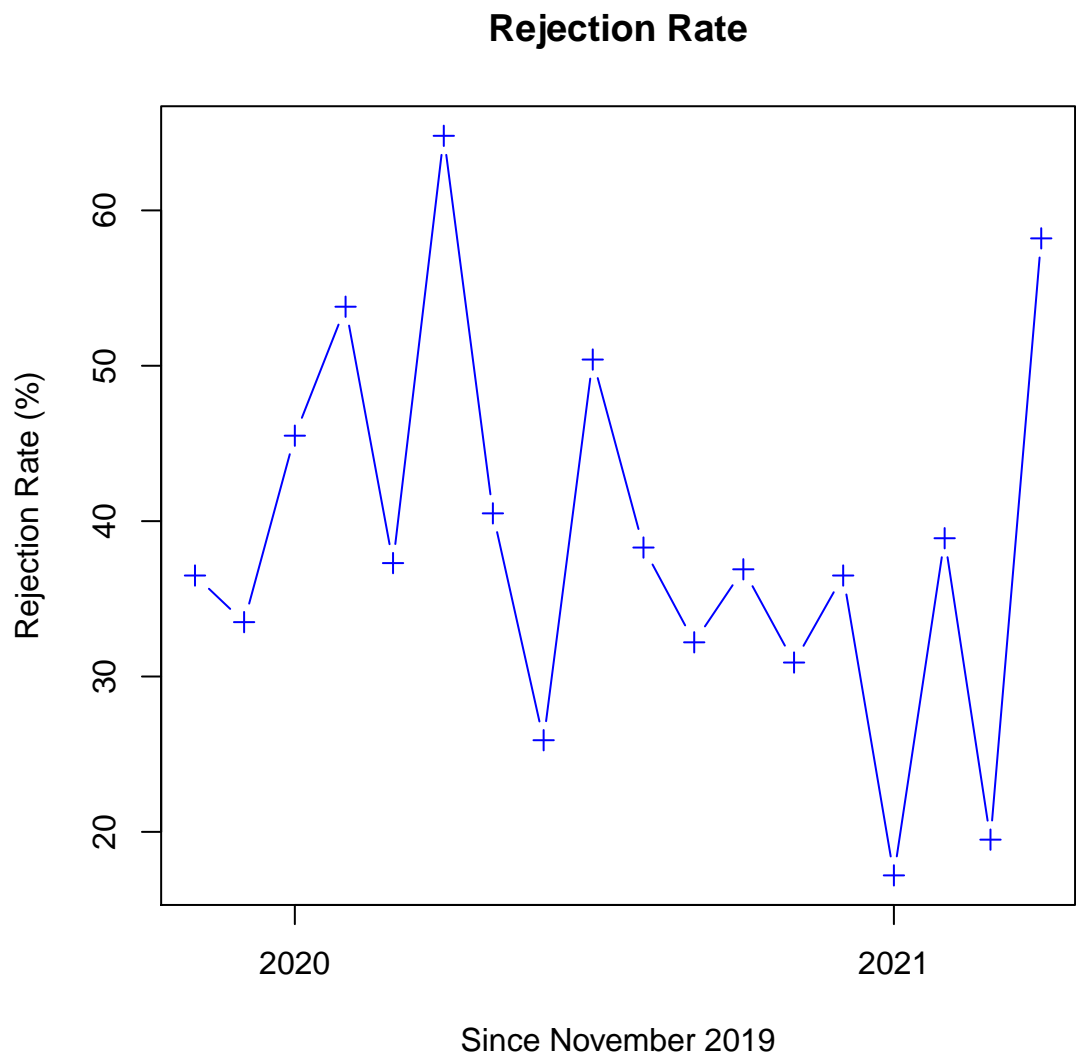


Figure 6: Rejection Rate

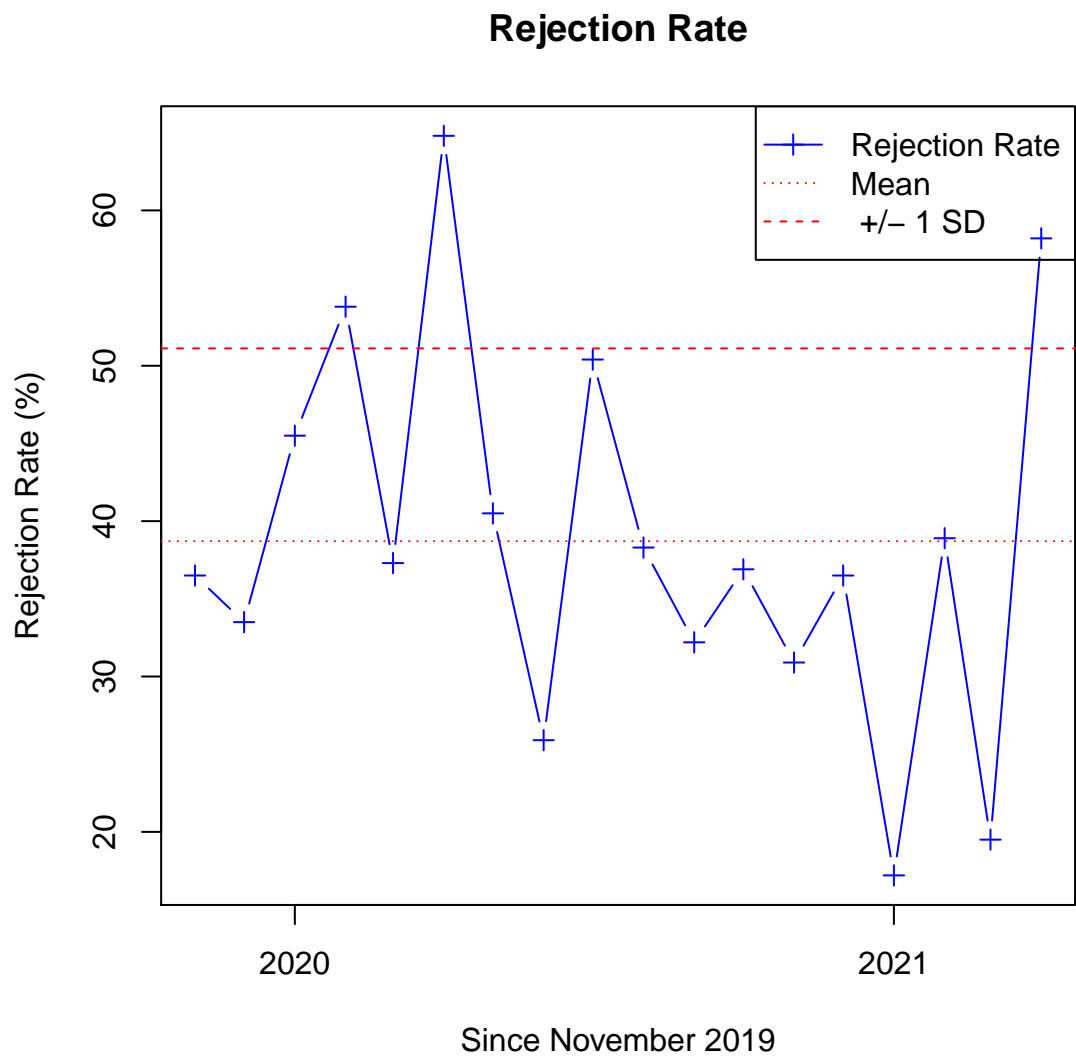


Figure 7: Rejection Rate with Control Lines

3 Methods

Data Processing

The data is processed using R³, 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 L^AT_EX 2_ε a typeseting program to produce a PDF file. L^AT_EX 2_ε in implented in MiT_EX. L^AT_EX 2_ε is utilizing the folowing packages to control style and formating:

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

³RStudio is utilized as an IDE