

# Data Profiling Report

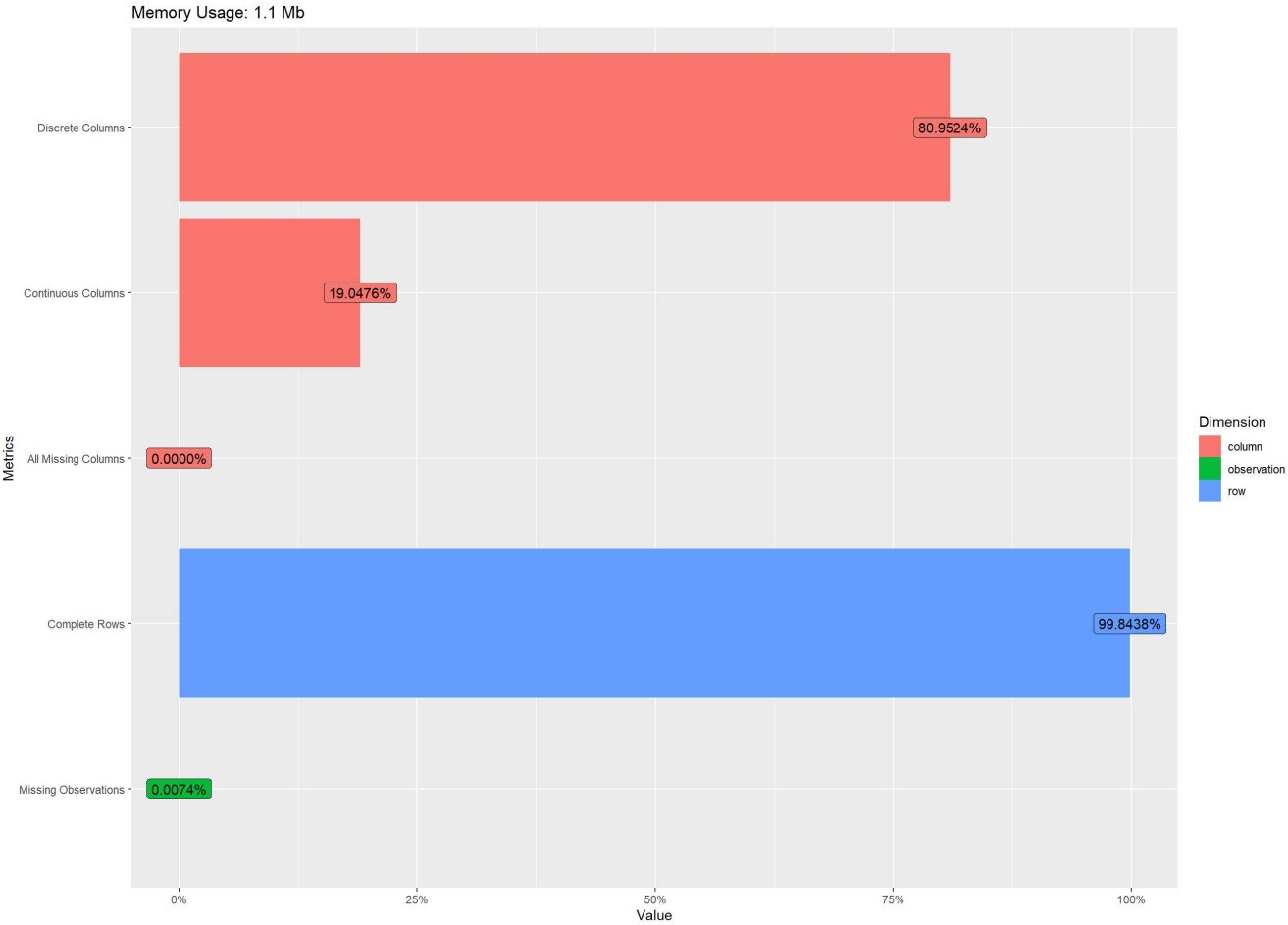
- Basic Statistics
  - Raw Counts
  - Percentages
- Data Structure
- Missing Data Profile
- Univariate Distribution
  - Histogram
  - Bar Chart (with frequency)
  - QQ Plot
- Correlation Analysis
- Principal Component Analysis

## Basic Statistics

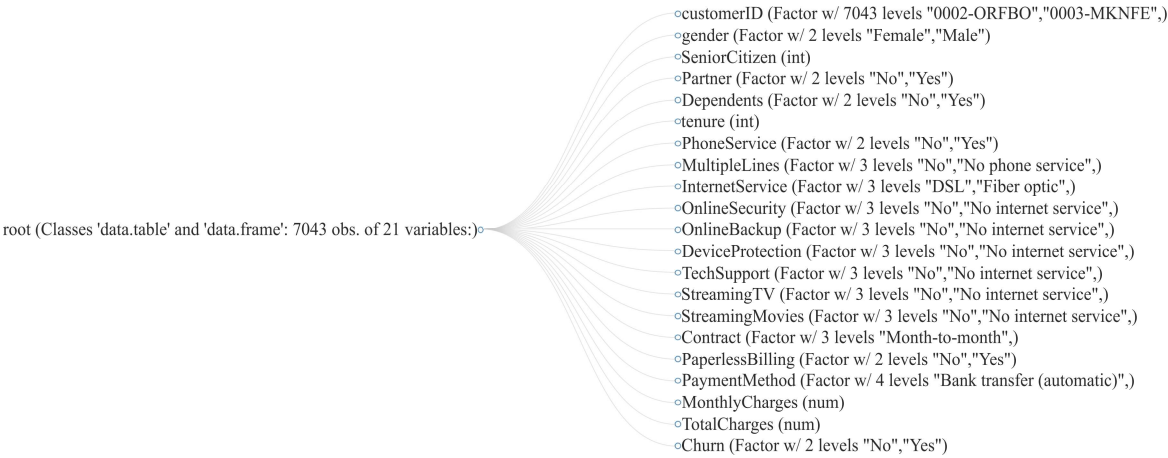
### Raw Counts

| Name                 | Value   |
|----------------------|---------|
| Rows                 | 7,043   |
| Columns              | 21      |
| Discrete columns     | 17      |
| Continuous columns   | 4       |
| All missing columns  | 0       |
| Missing observations | 11      |
| Complete Rows        | 7,032   |
| Total observations   | 147,903 |
| Memory allocation    | 1.1 Mb  |

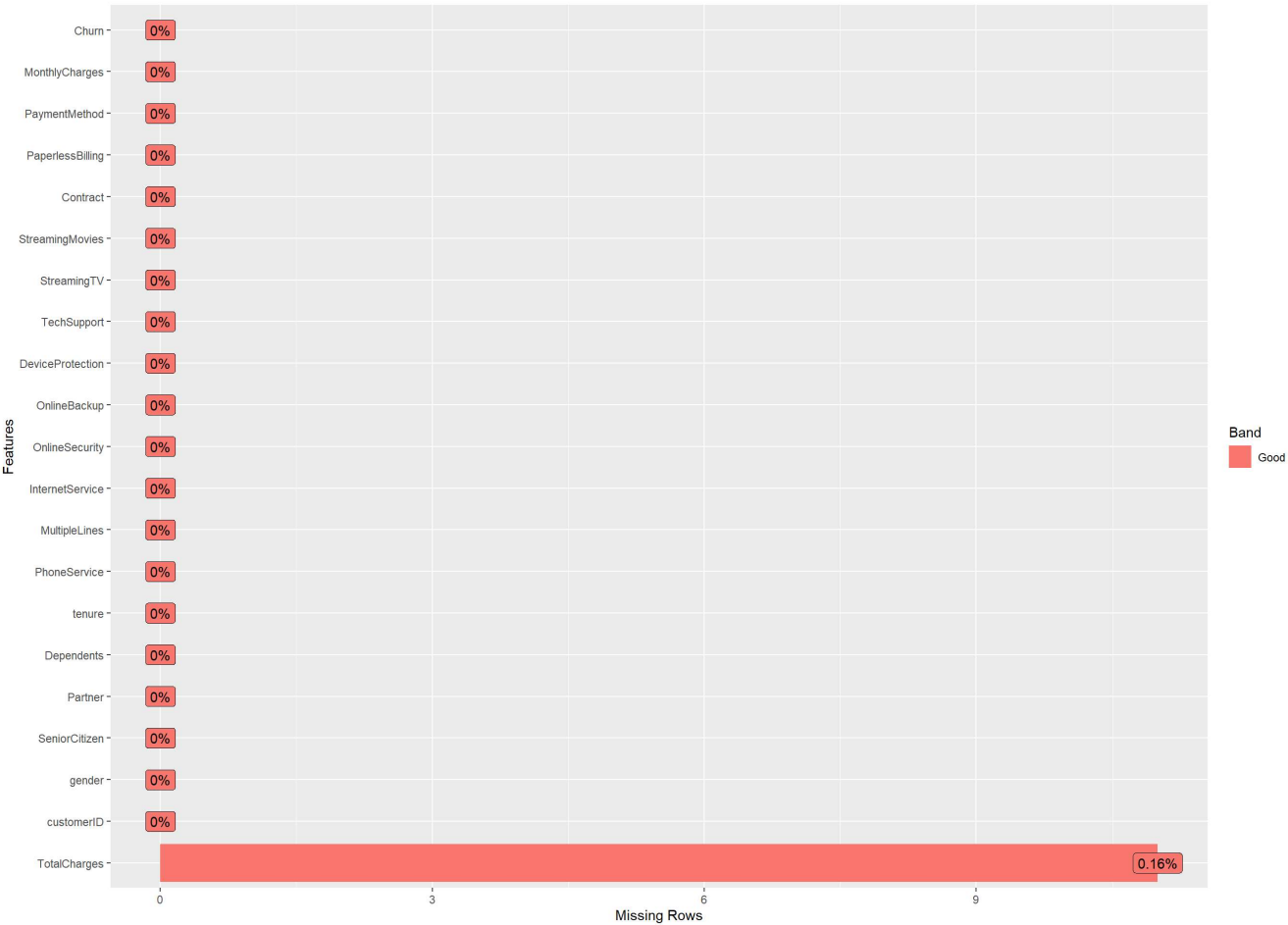
### Percentages



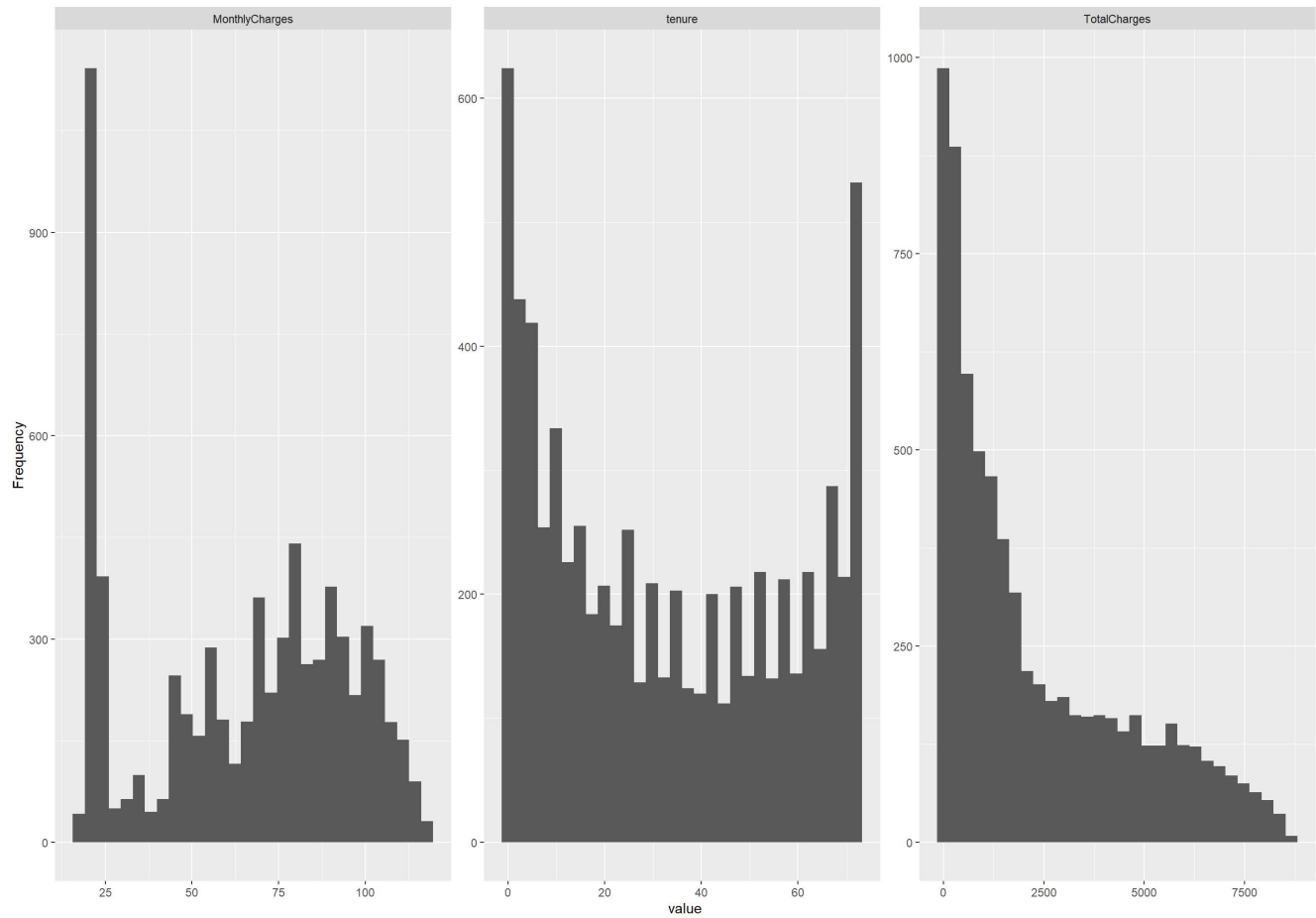
Data Structure



Missing Data Profile

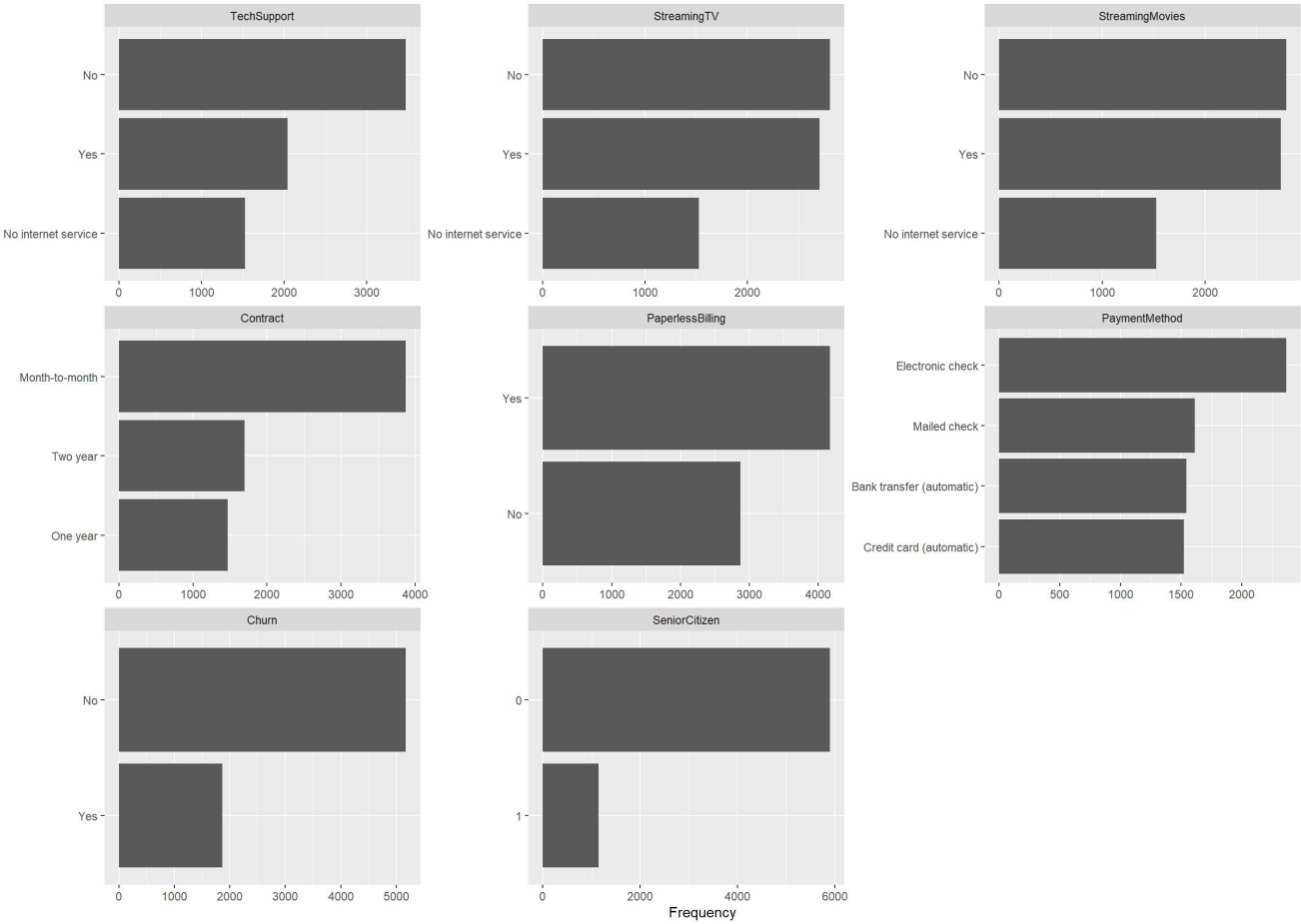
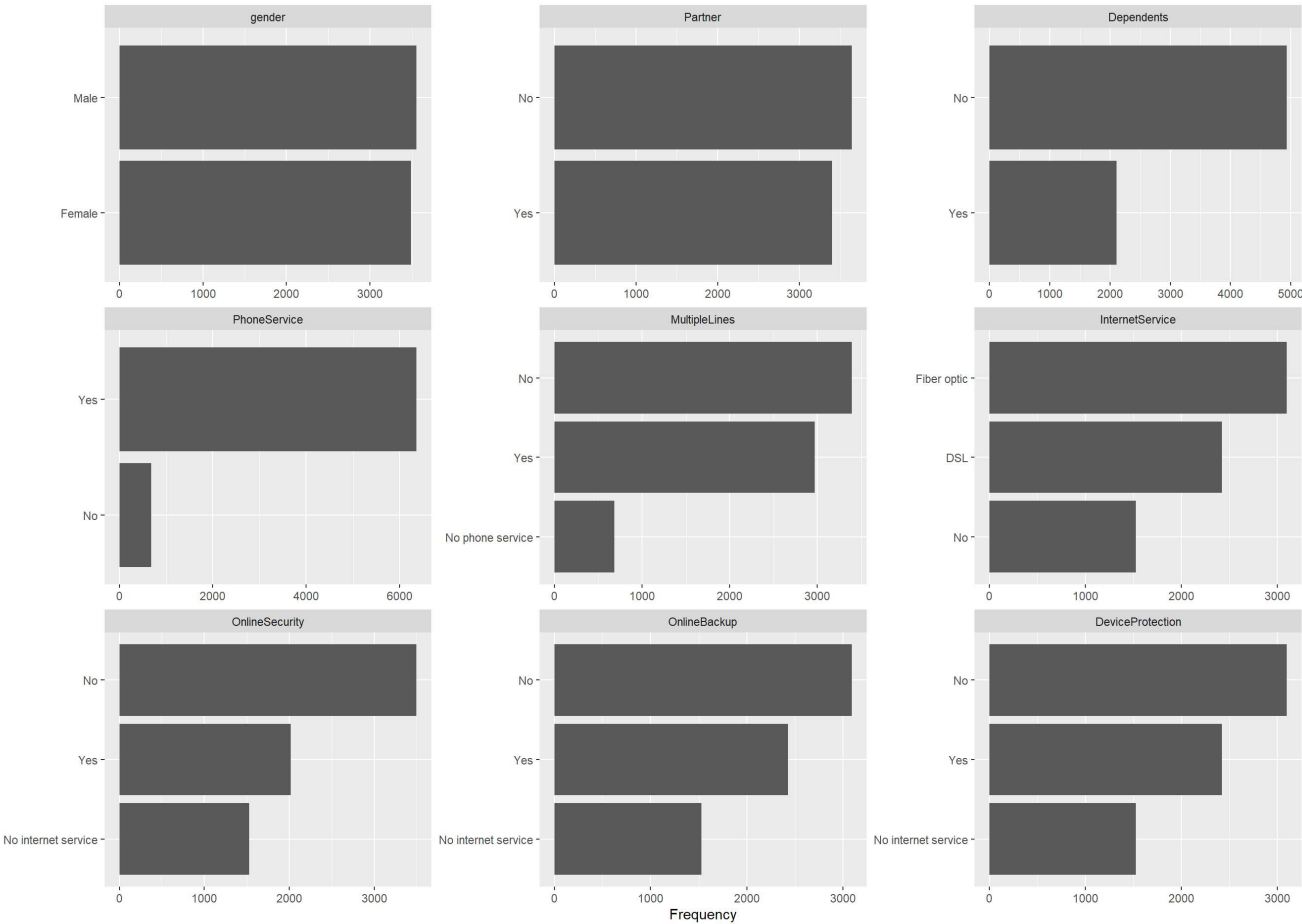


Univariate Distribution  
Histogram

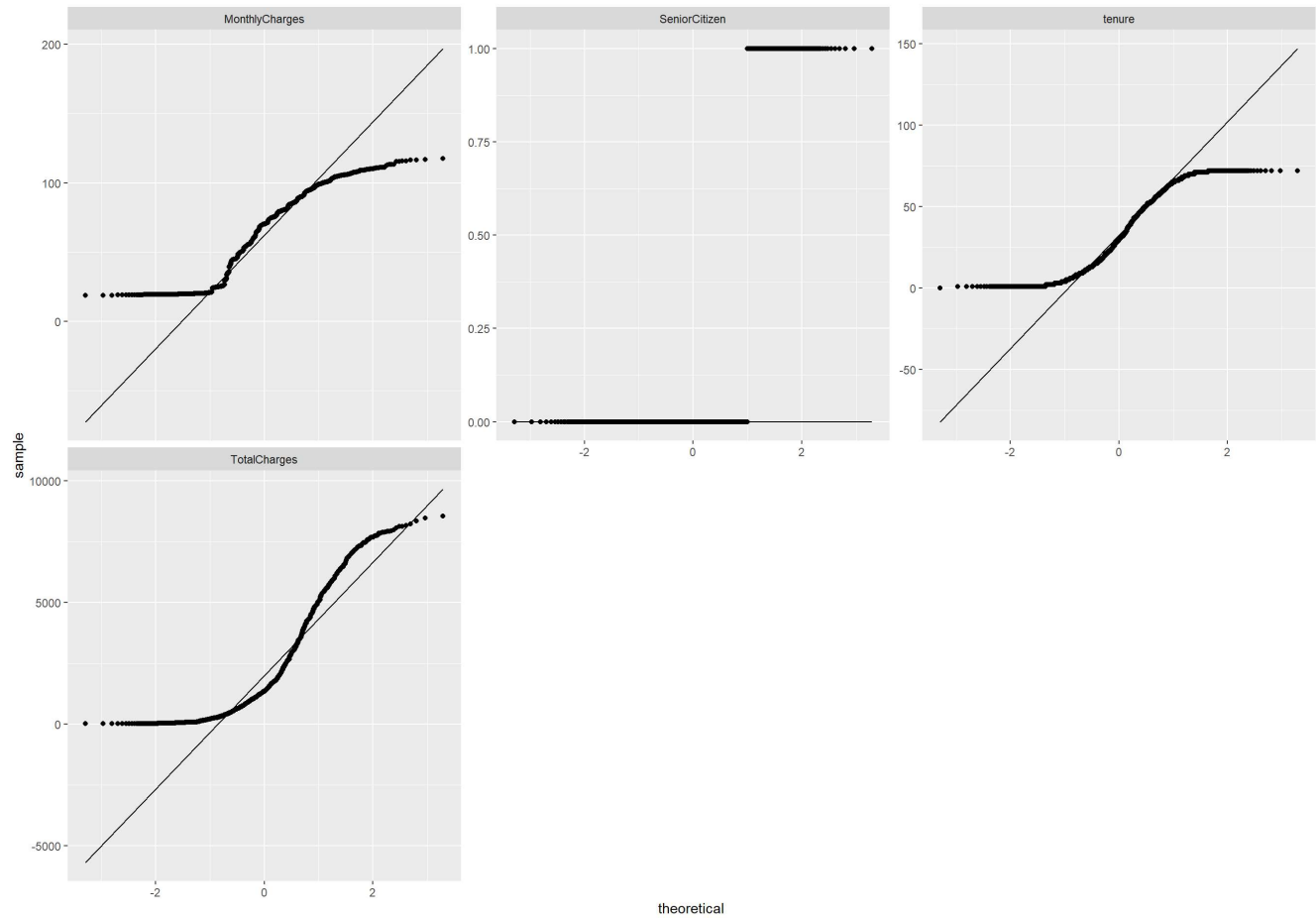


Bar Chart (with frequency)

```
## 1 columns ignored with more than 50 categories.  
## customerID: 7043 categories
```

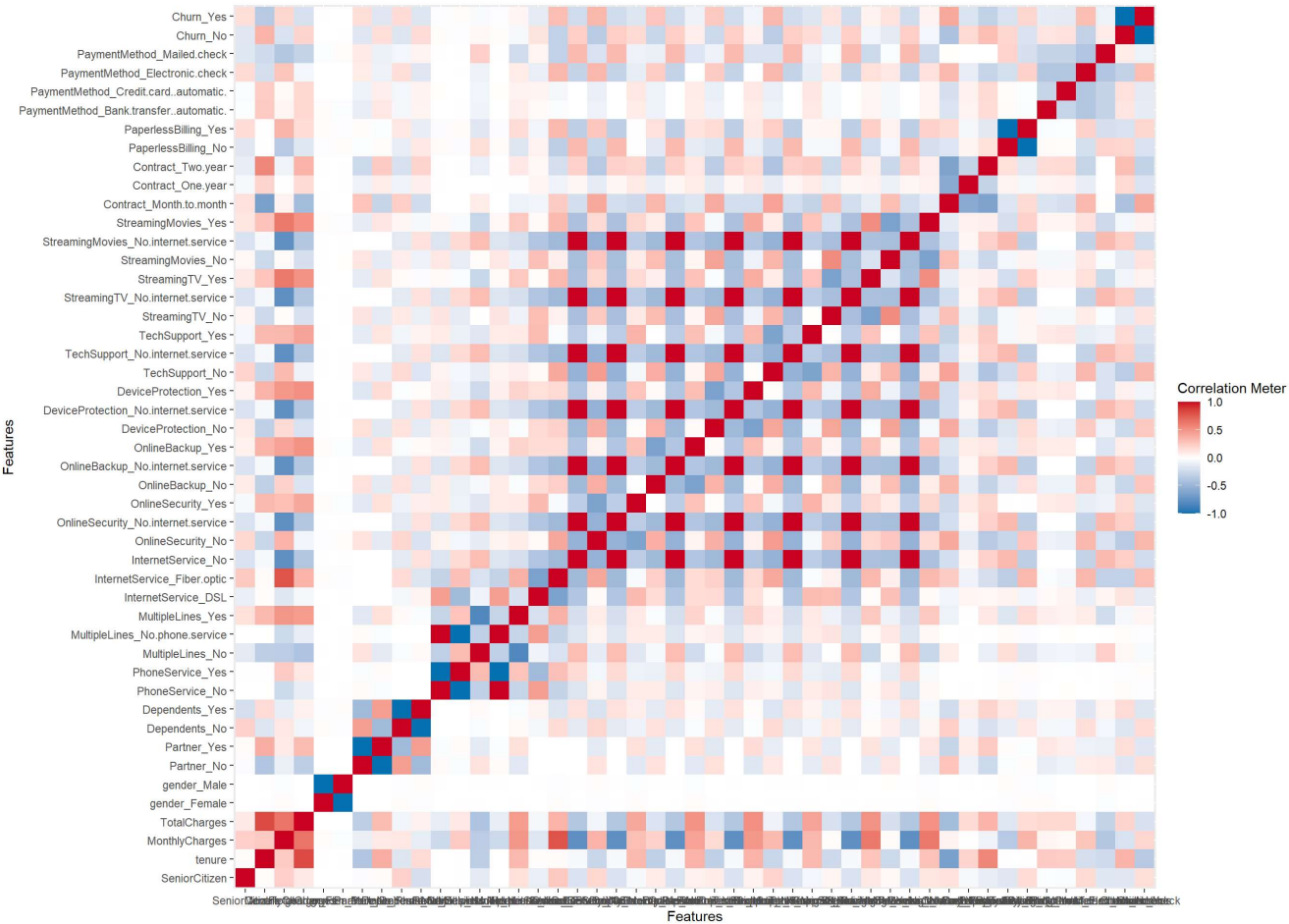


QQ Plot



Correlation Analysis

```
## 1 features with more than 20 categories ignored!  
## customerID: 7032 categories
```



Principal Component Analysis

## 1 features with more than 50 categories ignored!  
## customerID: 7032 categories





% Variance Explained By Principal Components  
(Note: Labels indicate cumulative % explained variance)

