

# DMC Training Data Pre-Study

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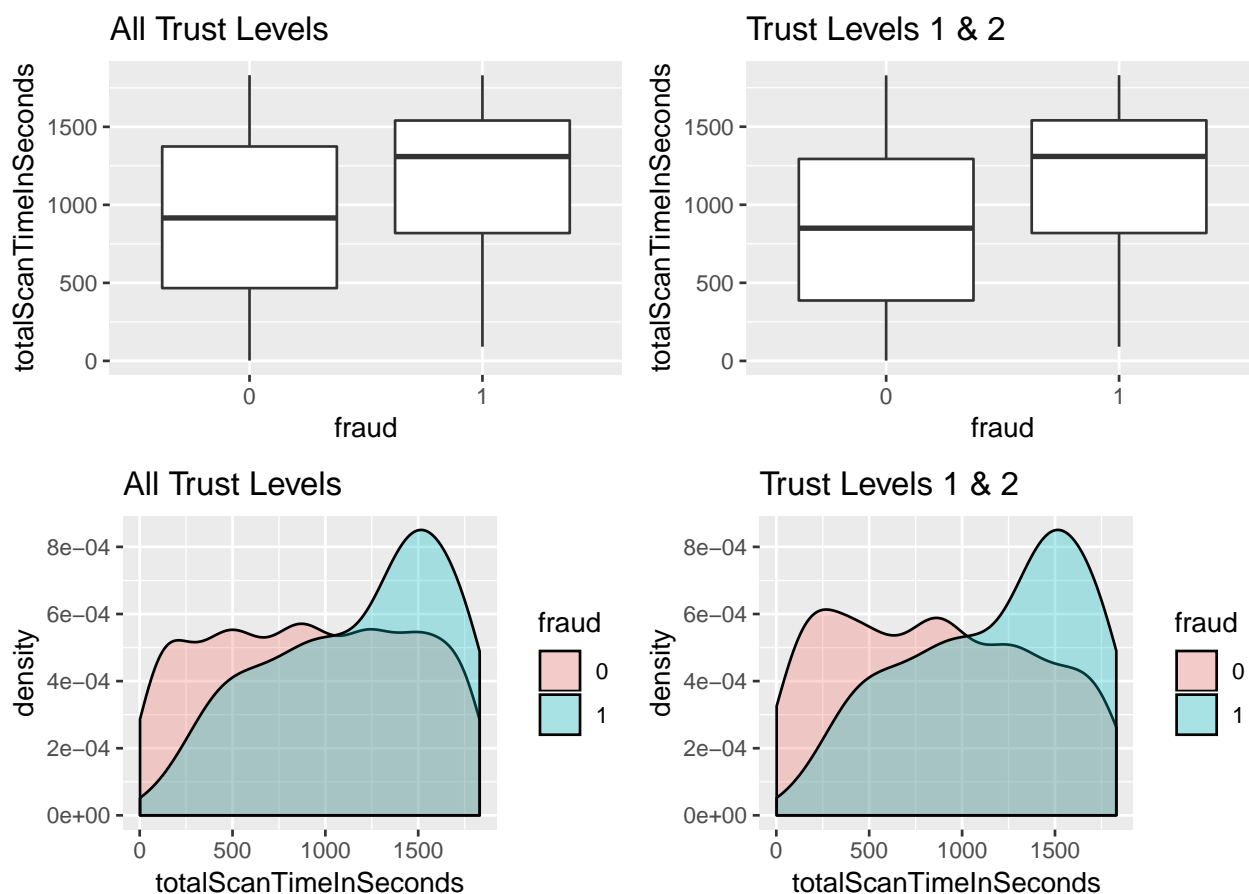
*4/8/2019*

```
## [1] "trustLevel" "totalScanTimeInSeconds"
## [3] "grandTotal" "lineItemVoids"
## [5] "scansWithoutRegistration" "quantityModifications"
## [7] "scannedLineItemsPerSecond" "valuePerSecond"
## [9] "lineItemVoidsPerPosition" "fraud"
```

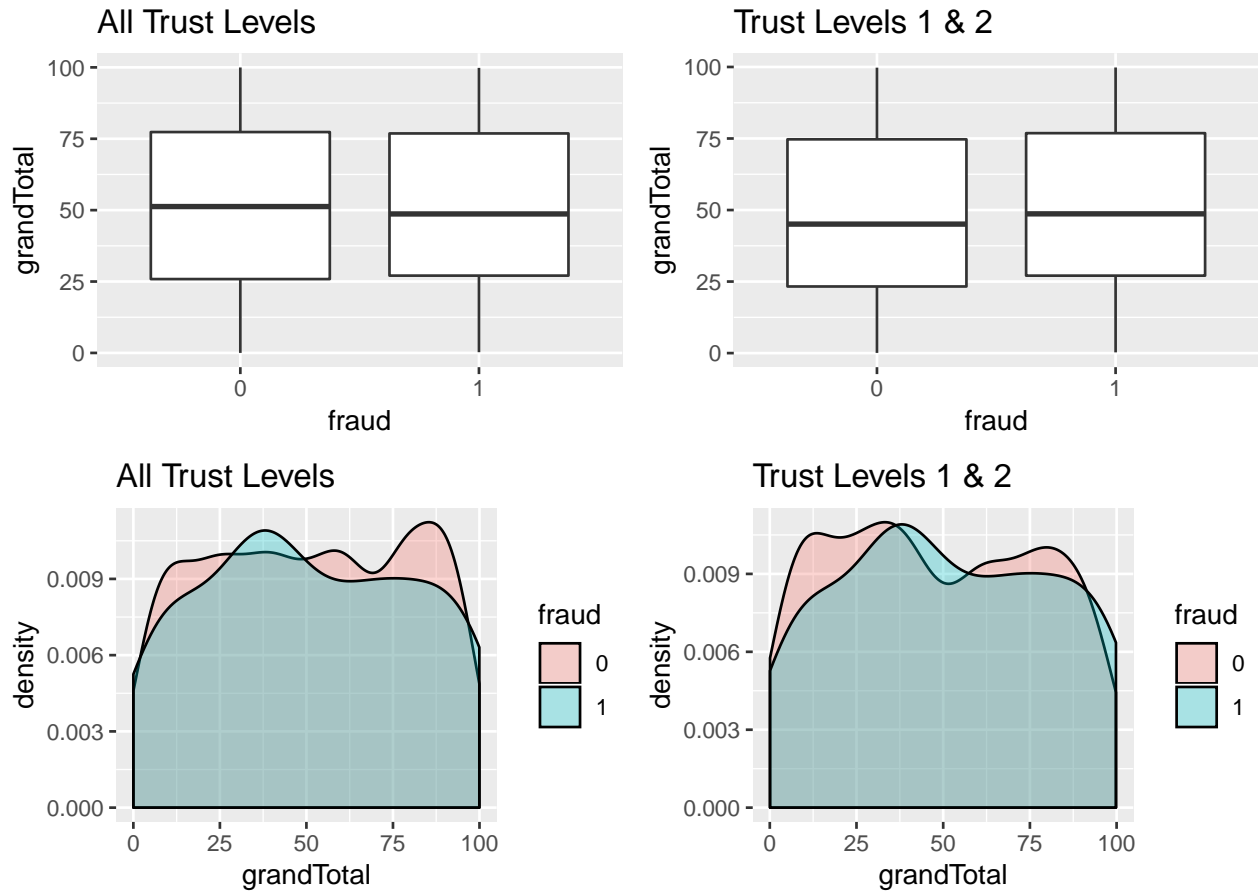
## trustLevel vs fraud

```
##
##      1    2    3    4    5    6
## 0 243 332 318 289 302 291
## 1  89  15   0   0   0   0
```

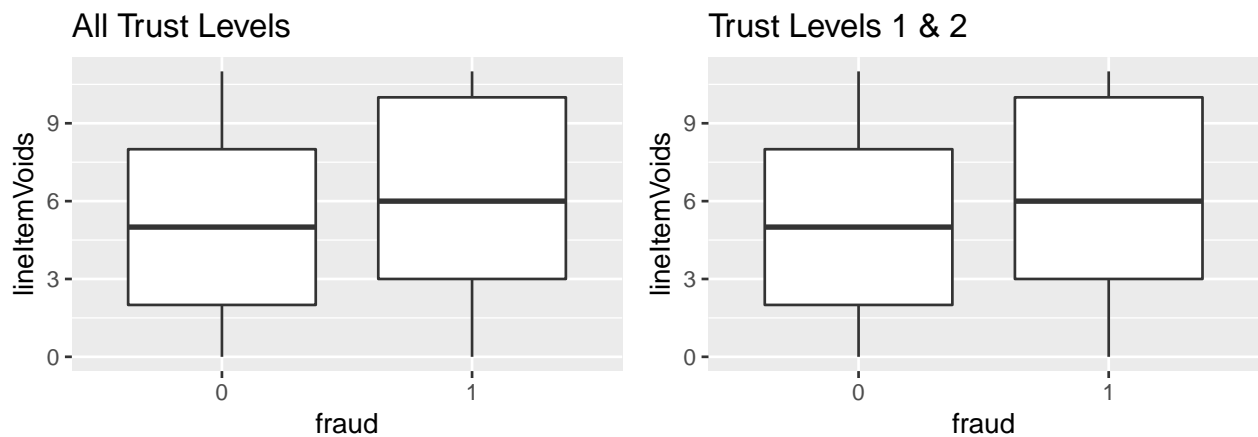
## totalScanTimeInSeconds vs fraud



## grandTotal vs fraud



## lineItemVoids vs fraud

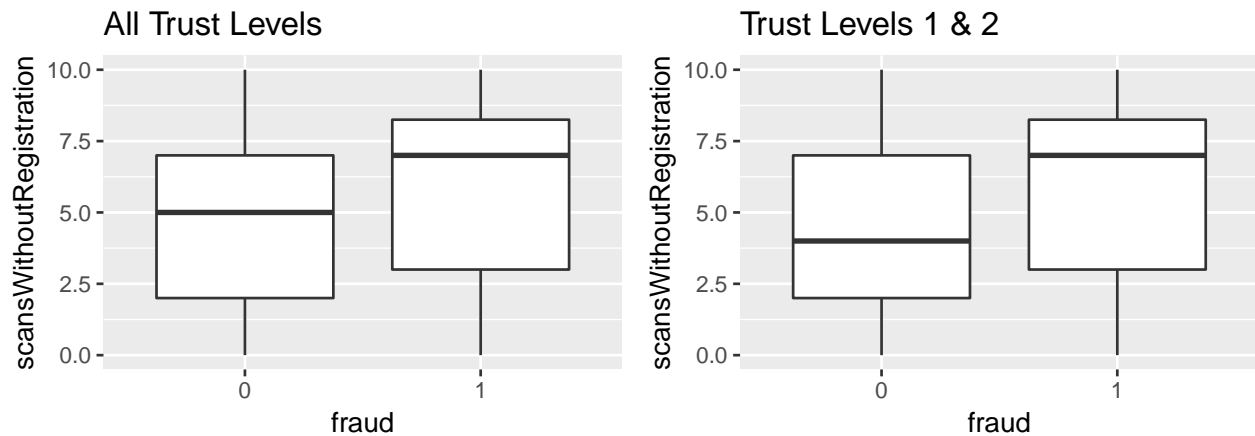


## All Trust Levels

```
##
##      0  1  2  3  4  5  6  7  8  9 10 11
## 0 150 151 163 143 150 145 149 149 151 139 147 138
## 1   7   4   6  11   4  12   9   4   9   8  18  12
```

```
## Trust Levels 1 & 2
##
##      0  1  2  3  4  5  6  7  8  9 10 11
## 0 48 53 46 38 59 55 42 53 46 48 49 38
## 1  7  4  6 11  4 12  9  4  9  8 18 12
```

## scansWithoutRegistration vs fraud

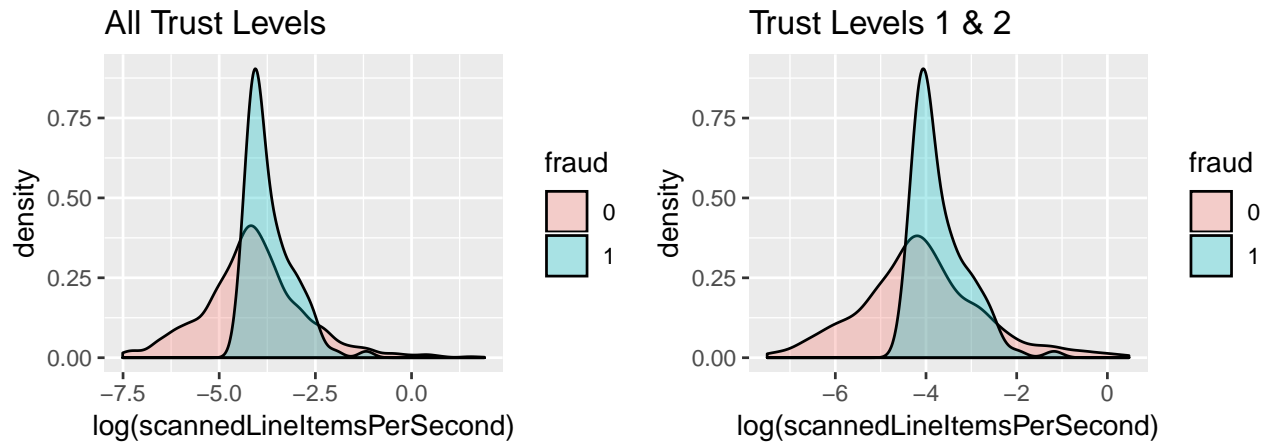


```
## All Trust Levels
##
##      0  1  2  3  4  5  6  7  8  9 10
## 0 159 179 161 172 173 178 159 158 138 138 160
## 1  8  9  5  6  3 10  9 14 14 13 13
## Trust Levels 1 & 2
##
##      0  1  2  3  4  5  6  7  8  9 10
## 0 57 67 45 67 57 63 47 40 38 40 54
## 1  8  9  5  6  3 10  9 14 14 13 13
```

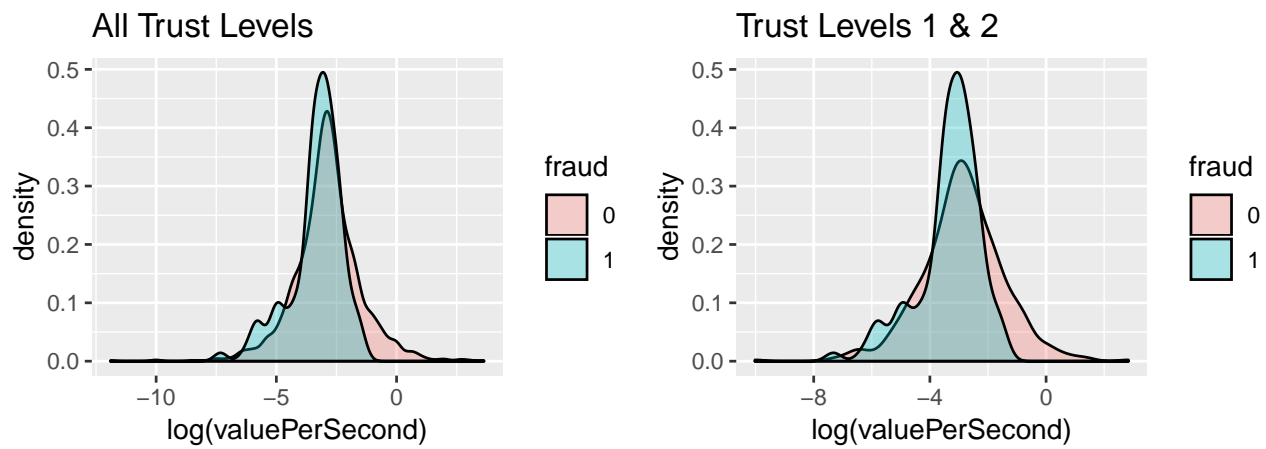
## quantityModifications vs fraud

```
## All Trust Levels
##
##      0  1  2  3  4  5
## 0 293 281 283 331 292 295
## 1 13 21 21 13 20 16
## Trust Levels 1 & 2
##
##      0  1  2  3  4  5
## 0 87 105 85 106 97 95
## 1 13 21 21 13 20 16
```

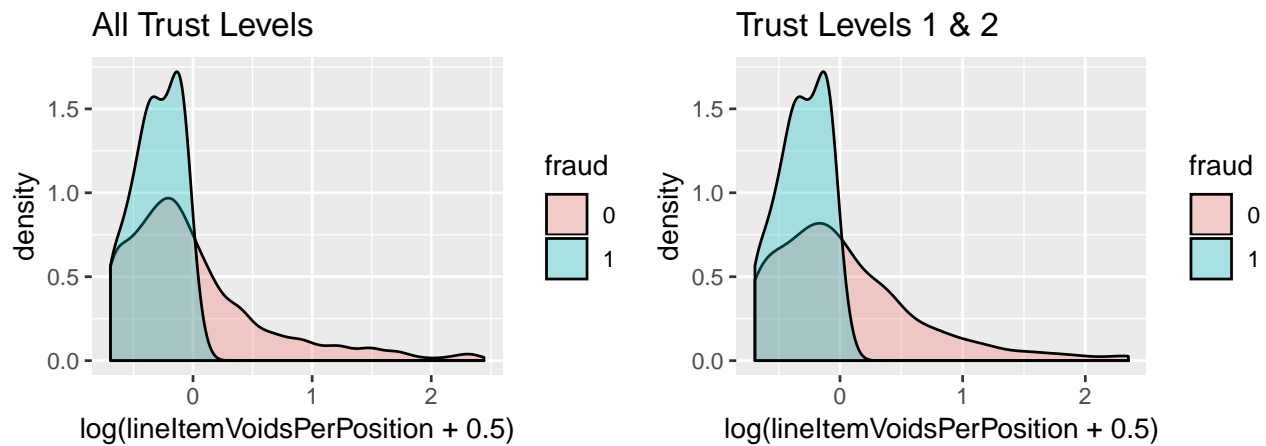
## scannedLineItemsPerSecond vs fraud



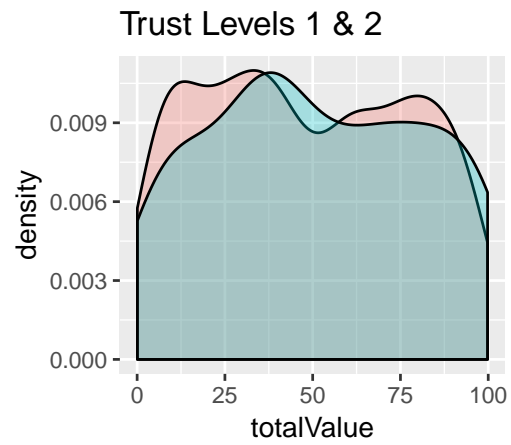
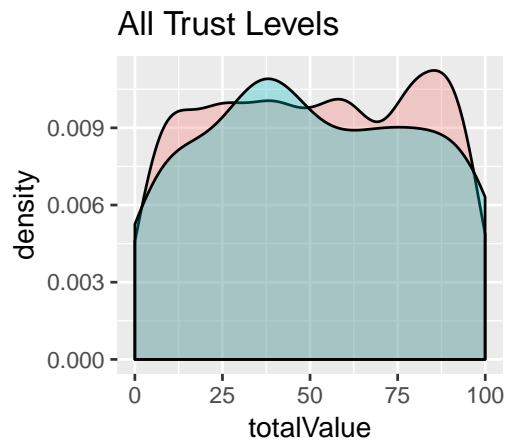
## valuePerSecond vs fraud



## lineItemVoidsPerPosition vs fraud



## total value (Manually Added)



## total item (Manually Added)

