

07 Descriptive Statistics

Fabian Blasch

06/01/2022

1 Load Data

```
# source AUX
source("../Misc/Auxilliary.R")

# packages
get.package(c("ggplot2", "patchwork"))

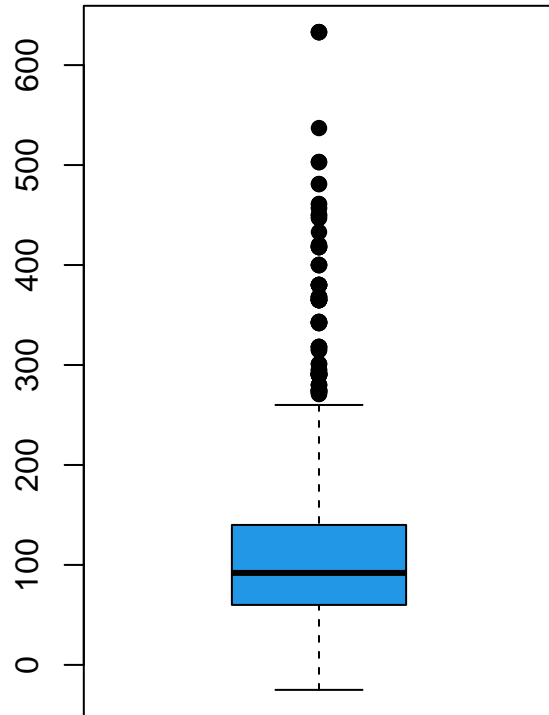
# load data
dat_bids <- readRDS("../Data/Bid Tab RDS/Bids_df.RDS")
```

2 Distributions

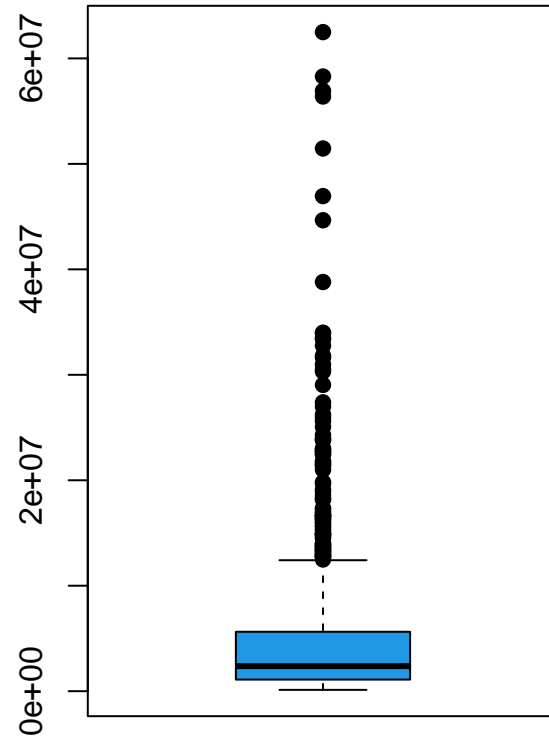
```
# align
par(mfrow = c(1, 2), mar = c(2,2,2,2))

# numeric variables (Contract time and Total bid)
boxplot(dat_bids$Contract_Time, main = "Contract Time (Business Days)", col = 4,
        pch = 19)
boxplot(dat_bids$Total_Bid, main = "Total Bid", col = 4, pch = 19)
```

Contract Time (Business Days)



Total Bid



```
# reset
par(mfrow = c(1, 1), mar = c(2,4,2,2))

# Bids entered by vendor (top 50 bidders)
bidders <- (dat_bids$Vendor_ID |> table() |> sort(decreasing = TRUE))[1:50]
barplot(bidders, las = 2, cex.names = 0.5, col = "forestgreen",
        ylim = c(0, 100))
```

