

analysis

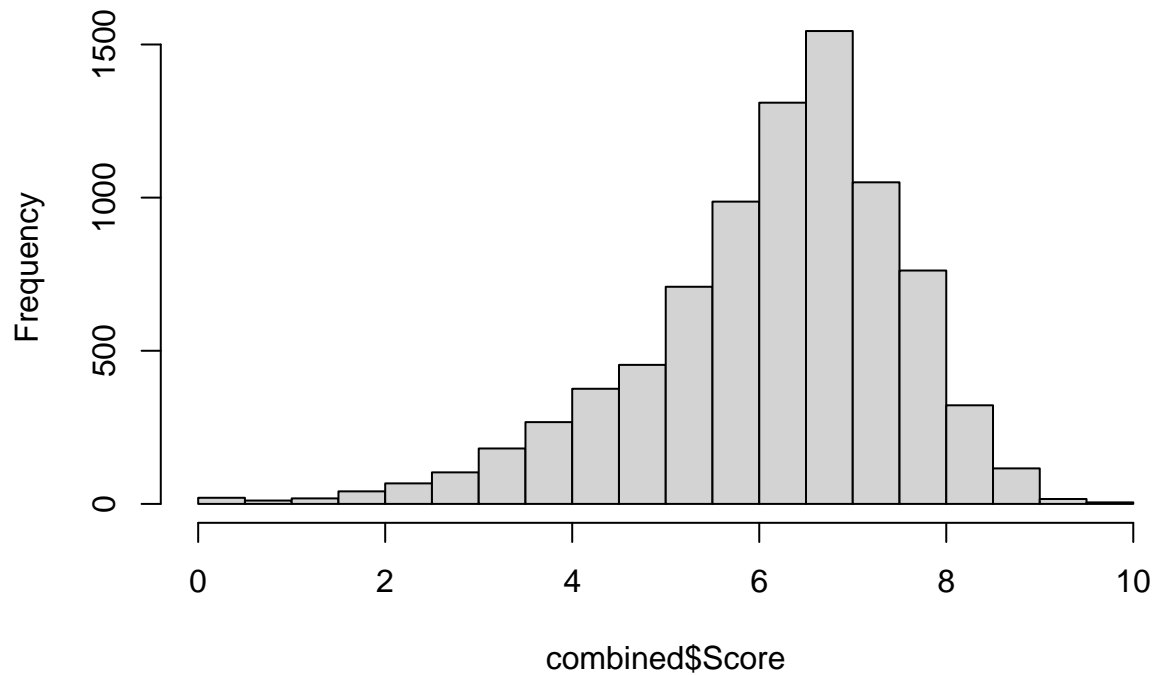
Preprocessing

```
combined <- read.csv("../data/diving_world_cup_2021_combined.csv", as.is = T)
combined$judge_name <- trimws(combined$judge_name)
judge_info <- read.csv("../Part-Ia.csv", as.is = T)
names(judge_info)[1] <- c("judge_name")
combined <- merge(combined, judge_info)
combined <- combined[complete.cases(combined), ]
```

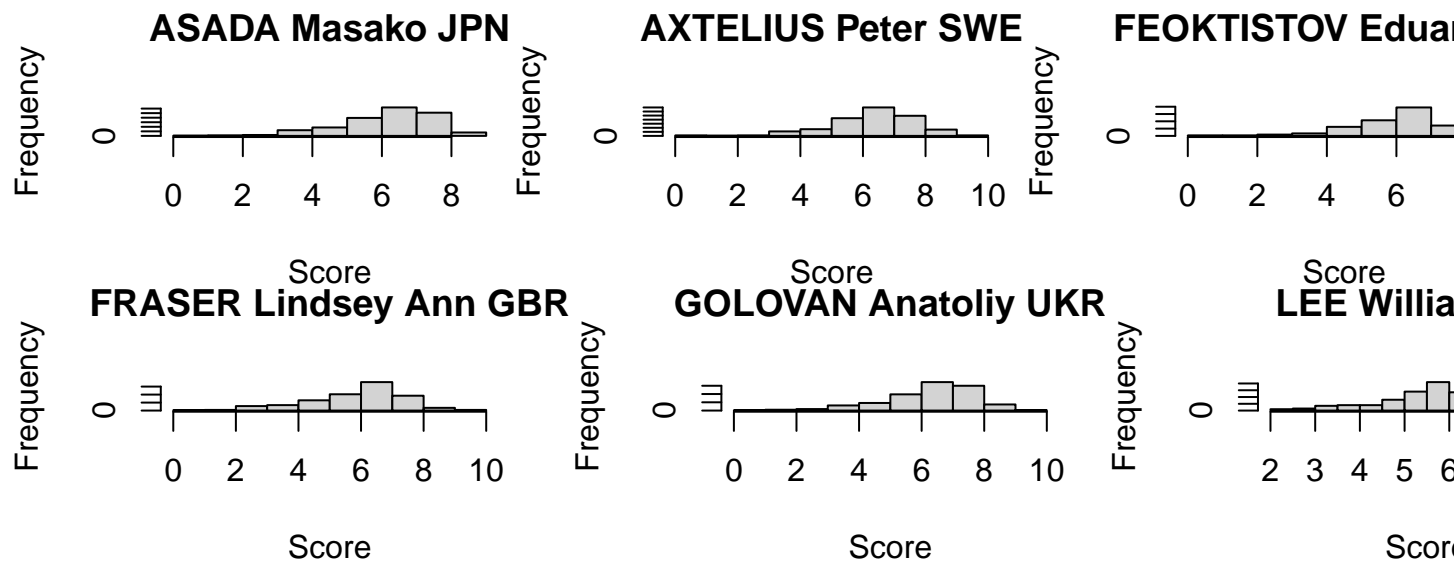
Including Plots

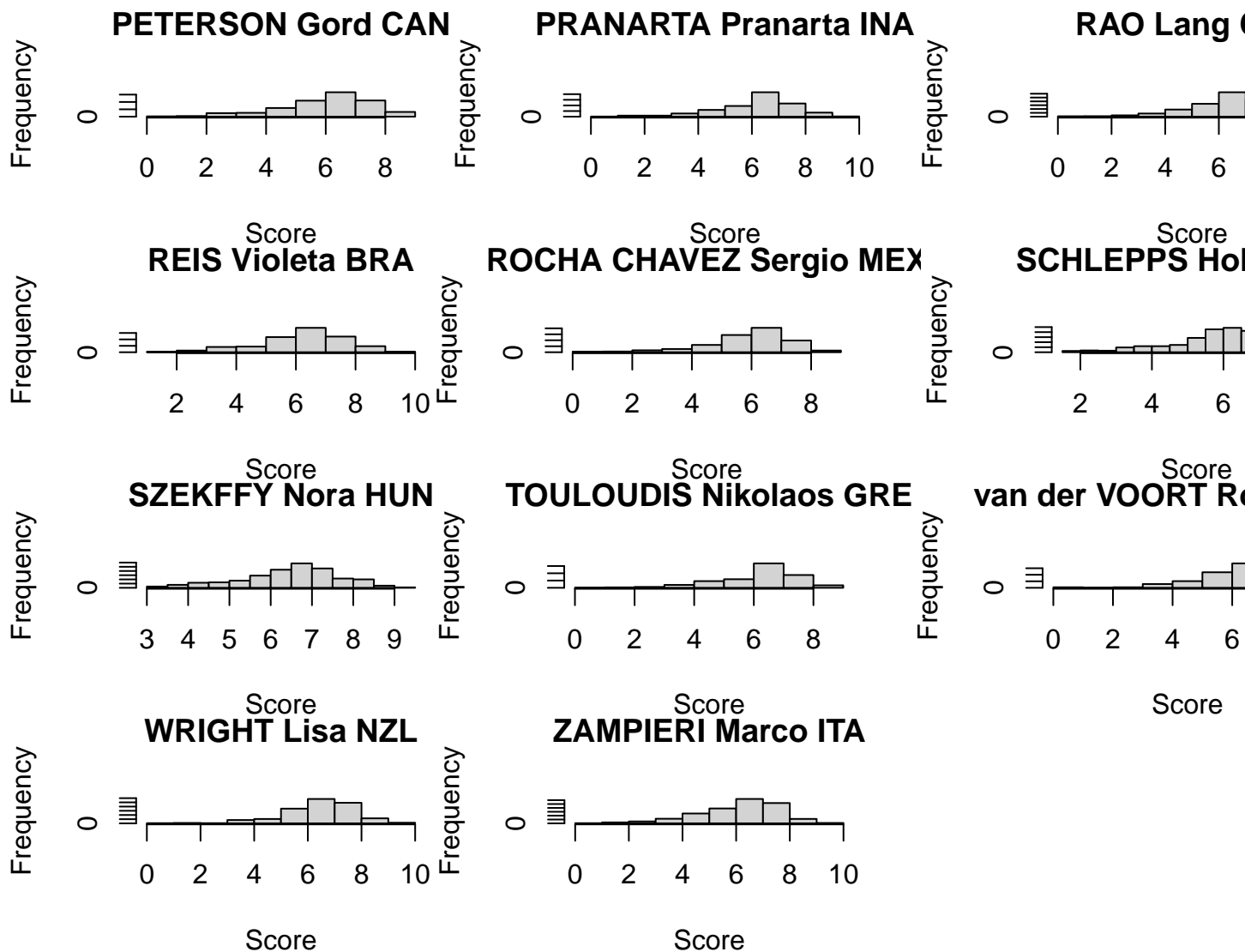
```
##   judge_name      event      level      Rank
## Length:8359      Length:8359      Length:8359      Min.   : 1.00
## Class :character  Class :character  Class :character  1st Qu.: 6.00
## Mode  :character  Mode  :character  Mode  :character  Median :12.00
##                                     Mean   :16.76
##                                     3rd Qu.:25.00
##                                     Max.   :54.00
##   Name      NAT      round      DD
## Length:8359      Length:8359      Min.   :1.000      Min.   :1.800
## Class :character  Class :character  1st Qu.:2.000      1st Qu.:3.000
## Mode  :character  Mode  :character  Median :3.000      Median :3.100
##                                     Mean   :3.297      Mean   :3.167
##                                     3rd Qu.:5.000      3rd Qu.:3.400
##                                     Max.   :6.000      Max.   :3.900
##   Score      judge_num      jcountry      gender
## Min.   : 0.000      Min.   :1.000      Length:8359      Length:8359
## 1st Qu.: 5.500      1st Qu.:2.000      Class :character  Class :character
## Median : 6.500      Median :4.000      Mode  :character  Mode  :character
## Mean   : 6.384      Mean   :3.925
## 3rd Qu.: 7.500      3rd Qu.:6.000
## Max.   :10.000      Max.   :7.000
```

Histogram of combined\$Score



```
for (j in unique(combined$judge_name)) {
  hist(combined$Score[combined$judge_name == j],
       main=paste(j, unique(combined$jcountry[combined$judge_name == j])),
       xlab="Score",
       ylab="Frequency")
}
```





```
# for (j in unique(combined$judge_name)) {
#   hist(combined$Score[combined$judge_name == j],
#         main=paste(j, unique(combined$jcountry[combined$judge_name == j])),
#         xlab="Score",
#         ylab="Frequency")
# }
```