Climbing Attendance Over Time at La Débarque

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```
library(ggplot2)
library(ggforce)
library(scales)
```

```
attendance <- data.frame(</pre>
                          read.csv("./debarque.csv",
                                    header=TRUE,
                                    sep=","))
attendance$DAY <- as.POSIXct(attendance$DAY,format="%Y-%m-%d")
attendance$TIME <- as.POSIXct(attendance$TIME,format="%R")</pre>
attendance$WEEKDAY <- weekdays(attendance$DAY)</pre>
attendance$WEEKDAY <- factor(attendance$WEEKDAY,</pre>
                               levels=c(
                                         "Sunday",
                                         "Monday",
                                         "Tuesday",
                                         "Wednesday",
                                         "Thursday",
                                         "Friday",
                                         "Saturday"))
```

```
date_breaks="3 hour") +
labs(x="Heure de la journée",
    y="Nombre de grimpeurs") +
theme(legend.position="none") +
facet_wrap(~WEEKDAY)

# Daily attendances through time
timeline <- ggplot(attendance, aes(x=DAY, y=CLIMBERS)) +
geom_line(stat="summary", fun=mean)</pre>
```

```
## 'geom_smooth()' using formula 'y ~ s(x, bs = "cs")'
## Warning: Removed 40 rows containing missing values (geom_smooth).
```



