dwd

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```
data <- read.csv("C:\\Users\\User\\Documents\\GitHub\\thesis\\fuels_guide\\jp\\dwd\\dwd.csv", header = T

data_ph1 <- subset(data, subset = sp_phase == 1)
data_ph2 <- subset(data, subset = sp_phase == 2)
data_ph3 <- subset(data, subset = sp_phase == 3)

dwd_ph1 <- data_ph1 %>%
  group_by(treatment) %>%
  summarise(n(),
            "min_10h" = round(min(dwd_fuel_10h, na.rm = TRUE)*0.00044609, 2),
            "max_10h" = round(max(dwd_fuel_10h, na.rm = TRUE)*0.00044609, 2),
            "mean_10h" = round(mean(dwd_fuel_10h, na.rm = TRUE)*0.00044609, 2),
            "min_100h" = round(min(dwd_fuel_100h, na.rm = TRUE)*0.00044609, 2),
            "max_100h" = round(max(dwd_fuel_100h, na.rm = TRUE)*0.00044609, 2),
            "mean_100h" = round(mean(dwd_fuel_100h, na.rm = TRUE)*0.00044609, 2),
            "min_1000hS" = round(min(dwd_fuel_1000h_s, na.rm = TRUE)*0.00044609, 2),
            "max_1000hS" = round(max(dwd_fuel_1000h_s, na.rm = TRUE)*0.00044609, 2),
            "mean_1000hS" = round(mean(dwd_fuel_1000h_s, na.rm = TRUE)*0.00044609, 2),
            "min_1000hR" = round(min(dwd_fuel_1000h_r, na.rm = TRUE)*0.00044609, 2),
            "max_1000hR" = round(max(dwd_fuel_1000h_r, na.rm = TRUE)*0.00044609, 2),
            "mean_1000hR" = round(mean(dwd_fuel_1000h_r, na.rm = TRUE)*0.00044609, 2))
dwd_ph1
```

```
## # A tibble: 4 x 14
##   treatment `n()` min_10h max_10h mean_10h min_100h max_100h mean_100h
##   <fct>     <int>   <dbl>   <dbl>    <dbl>    <dbl>    <dbl>     <dbl>
## 1 BM           14  0.120    1.22     0.460    0        2.41      0.840
## 2 CO           14  0.140    0.790    0.360    0.150    1.87      0.690
## 3 FI           12  0.170    0.520    0.340    0        0.930     0.520
## 4 ME           11  0.0700   1.67     0.600    0.300    2.36      1.12
## # ... with 6 more variables: min_1000hS <dbl>, max_1000hS <dbl>,
## #   mean_1000hS <dbl>, min_1000hR <dbl>, max_1000hR <dbl>,
## #   mean_1000hR <dbl>
```

```
#remove column 'n()'
dwd_ph1 <- dwd_ph1[-2]

#reformat table
d <- gather(dwd_ph1, key = fuel_class, value = "value", -treatment)
e <- d %>% separate(col = fuel_class, into = c('stat', 'fclass'), sep = "_")
f <- e %>% unite(col = 'stat', treatment, stat)
g <- f %>%  spread(key = stat, value = value)
h <- arrange(g, desc(fclass))
i <- h[c('fclass', 'CO_min', 'CO_max', 'CO_mean', 'FI_min', 'FI_max', 'FI_mean', 'ME_min', 'ME_max', 'M
j <- i
j$fclass <- c("10h", "100h", "1000h sound", "1000h rotten")
colnames(j) <- c("Fuel Class", "Min", "Max", "Mean", "Min", "Max", "Mean", "Min", "Max", "Mean","Min",
View(j)
```

```
dwd_jp <- kable(j, format = "latex") %>%
  kable_styling(c("striped", "bordered")) %>%
  add_header_above(c("", 'Control' = 3, 'Prescribed Fire' = 3, 'Cutting' = 3, 'Mastication' = 3))
dwd_jp
```

	Control			Prescribed Fire			Cutting			Mastication		
Fuel Class	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
10h	0.14	0.79	0.36	0.17	0.52	0.34	0.07	1.67	0.60	0.12	1.22	0.46
100h	0.15	1.87	0.69	0.00	0.93	0.52	0.30	2.36	1.12	0.00	2.41	0.84
1000h sound	0.00	1.37	0.21	0.00	0.61	0.19	0.00	2.47	0.73	0.00	0.80	0.20
1000h rotten	0.00	0.52	0.15	0.00	0.34	0.08	0.00	0.29	0.08	0.00	0.32	0.08