

Sandbox

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The data

```
library(tidyverse)
```

For starters

```
df <- read.csv("data/all.csv", stringsAsFactors = FALSE)
df$Damage <- gsub(".*\\((\\d+)\\).*", "\\1", df$Damage)
df$Damage <- gsub("(\\d+)\\s*\\((\\d+)\\)", "pmax(\\1, \\2)", df$Damage)
df$Damage <- gsub("(\\d+)\\*(\\d+)", "\\1+\\2", df$Damage)
df$Damage <- gsub("(\\d+)x(\\d+)", "\\1*\\2", df$Damage)
df$Damage <- sapply(df$Damage, function(x) eval(parse(text = x)))
df$Damage <- as.numeric(df$Damage)
df$Stun <- gsub(".*\\((\\d+)\\).*", "\\1", df$Stun)
df$Stun <- gsub("(\\d+)\\s*\\((\\d+)\\)", "pmax(\\1, \\2)", df$Stun)
df$Stun <- gsub("(\\d+)\\*(\\d+)", "\\1+\\2", df$Stun)
df$Stun <- gsub("(\\d+)x(\\d+)", "\\1*\\2", df$Stun)
df$Stun <- sapply(df$Stun, function(x) eval(parse(text = x)))
df$Stun <- as.numeric(df$Stun)
df$health <- as.numeric(df$health)
df$stun <- as.numeric(df$stun)
df$vgauge1 <- as.numeric(df$vgauge1)
df$vgauge2 <- as.numeric(df$vgauge2)
df$fDash <- as.numeric(df$fDash)
df$bDash <- as.numeric(df$bDash)
df$fWalk <- as.numeric(df$fWalk)
df$bWalk <- as.numeric(df$bWalk)
df$throwHurt <- as.numeric(df$throwHurt)
df$throwRange <- as.numeric(df$throwRange)
na_rows <- df[!complete.cases(df), ]
na_rows

## [1] Character Move onBlock plnCmd airmove followUp
## [7] projectile moveType health stun vgauge1 vgauge2
## [13] fDash bDash fWalk bWalk throwHurt throwRange
## [19] Damage Stun
## <0 rows> (or 0-length row.names)

# df$Damage %>%
# tibble() %>%
# print(n = Inf)
# df$Stun %>%
```

```
#  tibble() %>%  
#  print(n = Inf)  
write.csv(df, "data/all.csv", row.names = FALSE)
```

KDE