

Tidying Up Some Real World Messy Data

- We ran a reaction time experiment with 24 participants and 4 conditions - they are numbered 1-4 in our datafile.

```
> head(data)
  Participant Condition    RT
1           1         1  879
2           1         2 1027
3           1         3 1108
4           1         4  765
5           2         1 1042
6           2         2 1050
```

- But actually it was a repeated measures design where we had one factor (Prime Type) with two levels (A vs. B) and a second factor (Target Type) with two levels (A vs. B)
- We want to recode our data frame so it better matches our experimental design.
- First we need to recode our 4 conditions like this:

```
#recode Condition columns follows:
```

```
#Condition 1 = Prime A, Target A
```

```
#Condition 2 = Prime A, Target B
```

```
#Condition 3 = Prime B, Target A
```

```
#Condition 4 = Prime B, Target B
```

```
data <- data %>%
```

```
  mutate(Condition = recode(Condition,  
    "1"="PrimeA_TargetA",  
    "2"="PrimeA_TargetB",  
    "3"="PrimeB_TargetA",  
    "4"="PrimeB_TargetB"))
```