- Now our data frame looks like this:

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

- We then need to separate out our Condition column into two - one for our first factor (Prime), and one for our second factor (Target).

```
#now separate the Condition column using "_" as our separator
> data <- separate(data, col = "Condition", into = c("Prime", "Target"),
sep = "_")

> head(data)
  Participant  Prime  Target   RT
1            1 PrimeA TargetA  879
2            1 PrimeA TargetB 1027
3            1 PrimeB TargetA 1108
4            1 PrimeB TargetB  765
5            2 PrimeA TargetA 1042
6            2 PrimeA TargetB 1050
```

- This is looking good - we now have our two factors coded separately and our data are in tidy format (i.e., one observation per row).