

## Add groups in a column

You have your dataset in a long format (measurements and samples are in a column) and you want to add column names for each sample based on a reference table containing samples and groups information.

```
# e.g. define a vector with the sample names. You can extract it directly using names(my_data)
sample_names <- c("A01", "A02", "A03",
                  "B01", "B02", "B03",
                  "C01", "C02", "C03")
```

```
# Define a second vector with the group names, keeping the same order with above
group_names <- c("A", "A", "A",
                 "B", "B", "B",
                 "C", "C", "C")
```

```
# Merge both vectors in one dataframe in case that you need to exclude groups etc
groups_df <- data.frame(samples = sample_names, groups = group_names)
```

```
# add groups and save the output in a new dataframe
grouped_data <- add_groups_col(x = my_data_long,
                              samples_vector = groups_df$samples,
                              groups_vector = groups_df$groups,
                              samples_column = "Samples_column",
                              column_name = "Groups_column_name")
```