## Signaling Principle

```
babynames %>%
 group_by(name, sex) %>%
 ungroup() %>%
  summarise(total = sum(n)) %>%
 arrange(desc(total))
#
       total
# 1 340851912
```

Use ungroup()



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 group_by(name, sex) %>%
  ungroup() %>%
  summarise(total = sum(n)) %>%
  arrange(desc(total))
       total
# 1 340851912
```

Use ungroup() to...







## Spatial Contiguity Principle







