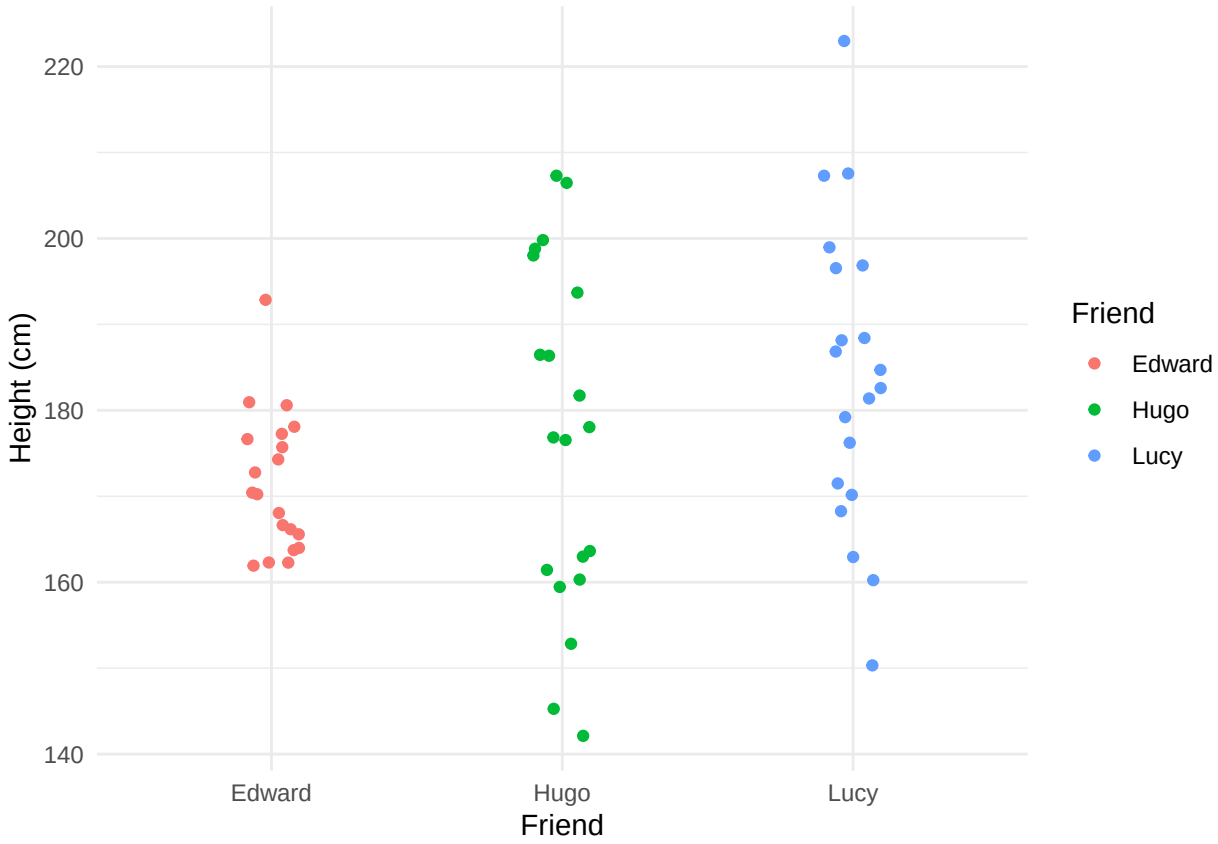
```r
n_friends <- 20

Edward <- rnorm(n_friends, mean=170, sd=10)
Hugo <- rnorm(n_friends, mean=175, sd=15)
Lucy <- rnorm(n_friends, mean=180, sd=20)

heights <- data.frame(Edward= Edward, Hugo= Hugo, Lucy= Lucy)

print(heights)
```

```
##      Edward     Hugo     Lucy
## 1  163.9866 181.7172 207.2958
## 2  161.9236 193.6950 207.5547
## 3  170.4194 186.3512 160.2351
## 4  174.2871 178.0428 188.1454
## 5  163.7287 161.4300 222.9707
## 6  192.8578 207.2957 196.8555
## 7  175.7115 206.4652 168.2638
## 8  177.2592 176.5406 171.4945
## 9  166.6389 159.4475 196.5396
## 10 166.1584 142.1216 181.3780
## 11 168.0525 163.6253 198.9644
## 12 180.9419 160.3068 184.7026
## 13 162.2937 198.0195 162.9332
## 14 176.6491 199.8061 170.1589
## 15 172.7690 186.4590 188.4133
## 16 162.2761 162.9728 150.3212
## 17 165.5758 198.8034 179.2050
## 18 178.0880 152.8352 186.8392
## 19 180.5924 176.8464 176.2243
## 20 170.2342 145.2677 182.5904
```

```r
heights_long <- melt(heights)

ggplot(heights_long, aes(x=variable, y=value, color=variable)) +
  geom_point(position = position_jitter(width = 0.1)) +
  labs(x="Friend", y="Height (cm)", color="Friend") +
  theme_minimal()
```


220
200
180
160
140
Height (cm)
Edward
Hugo
Lucy
Friend
Friend
Edward
Hugo
Lucy