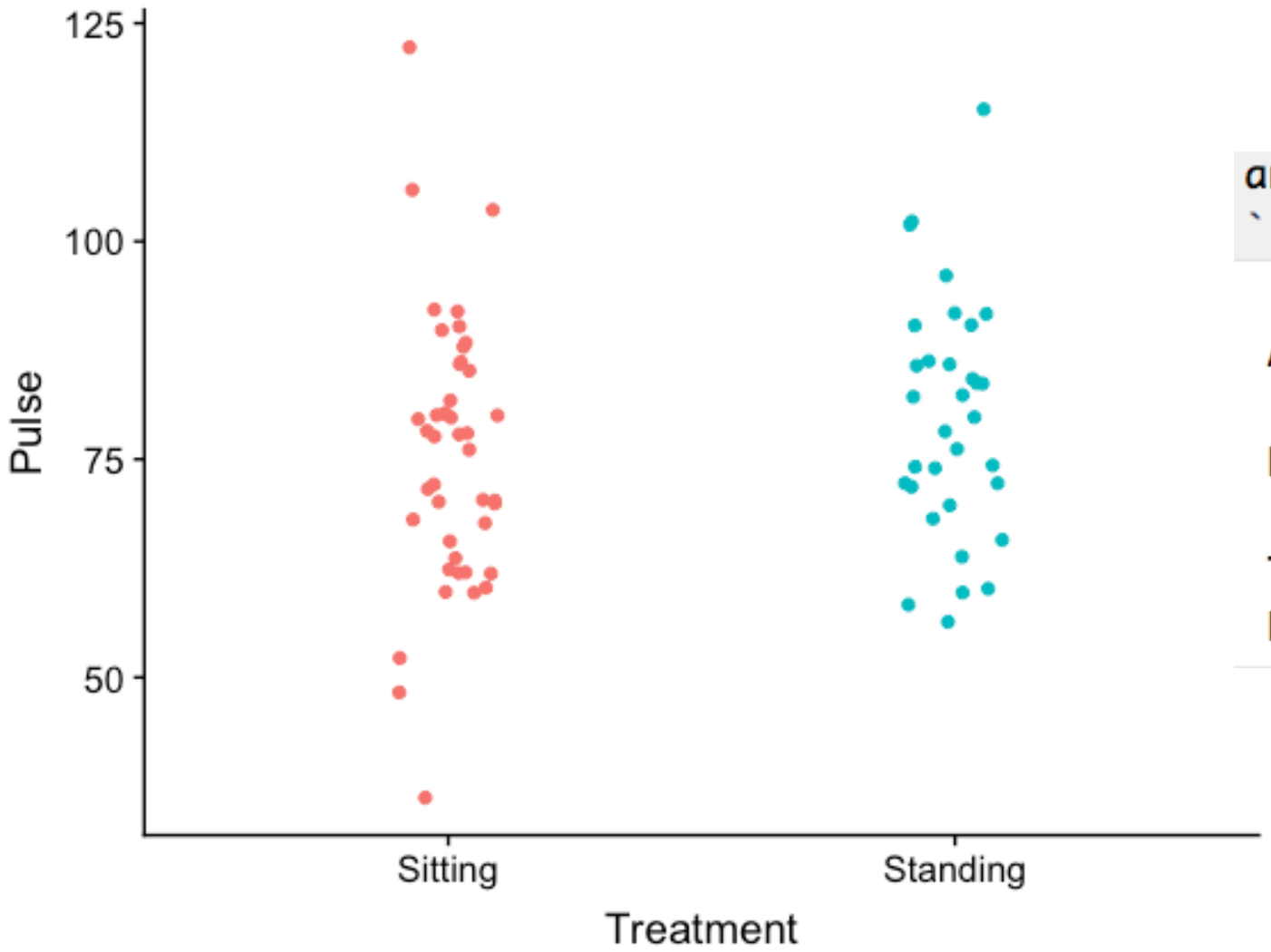
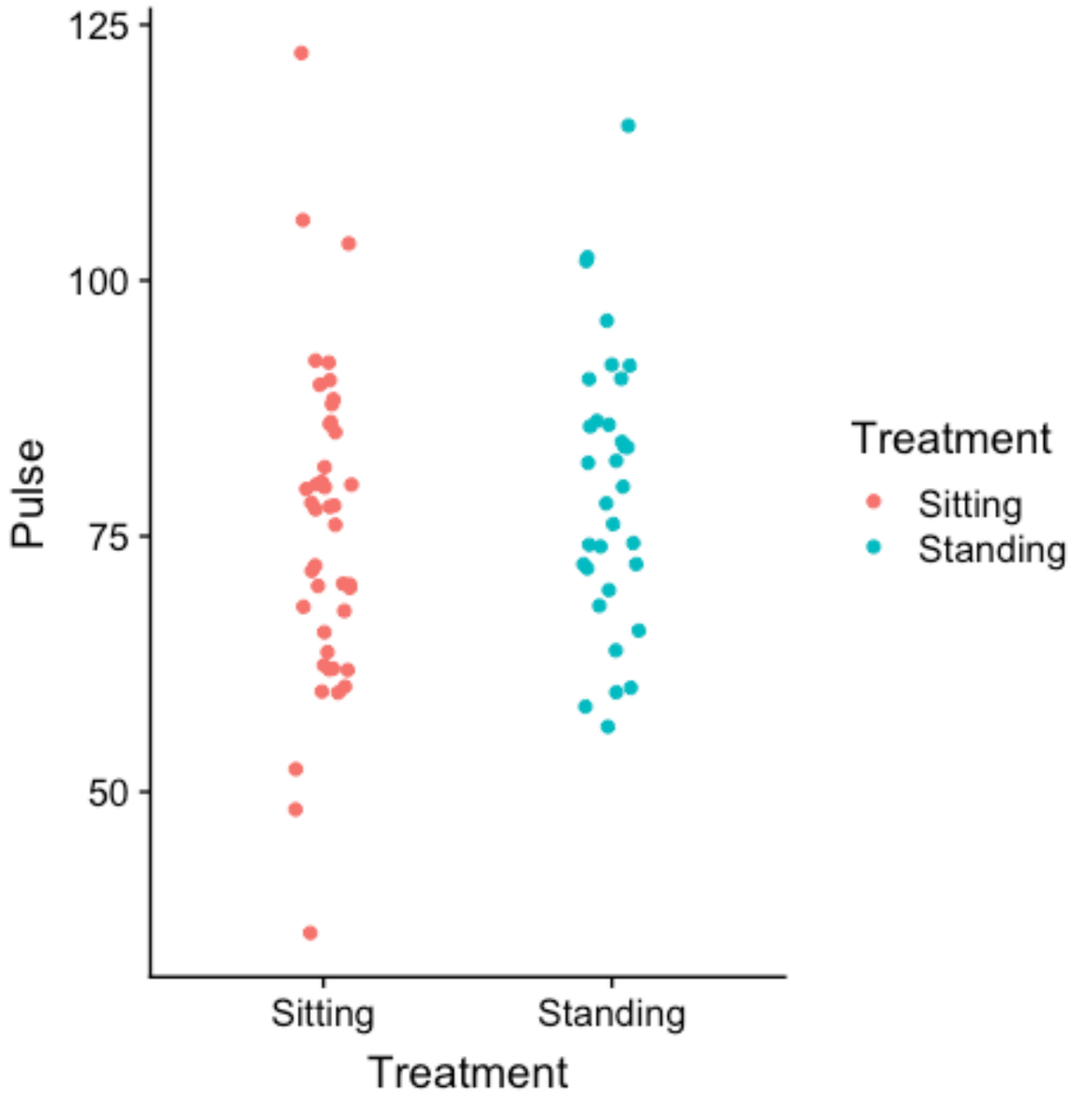
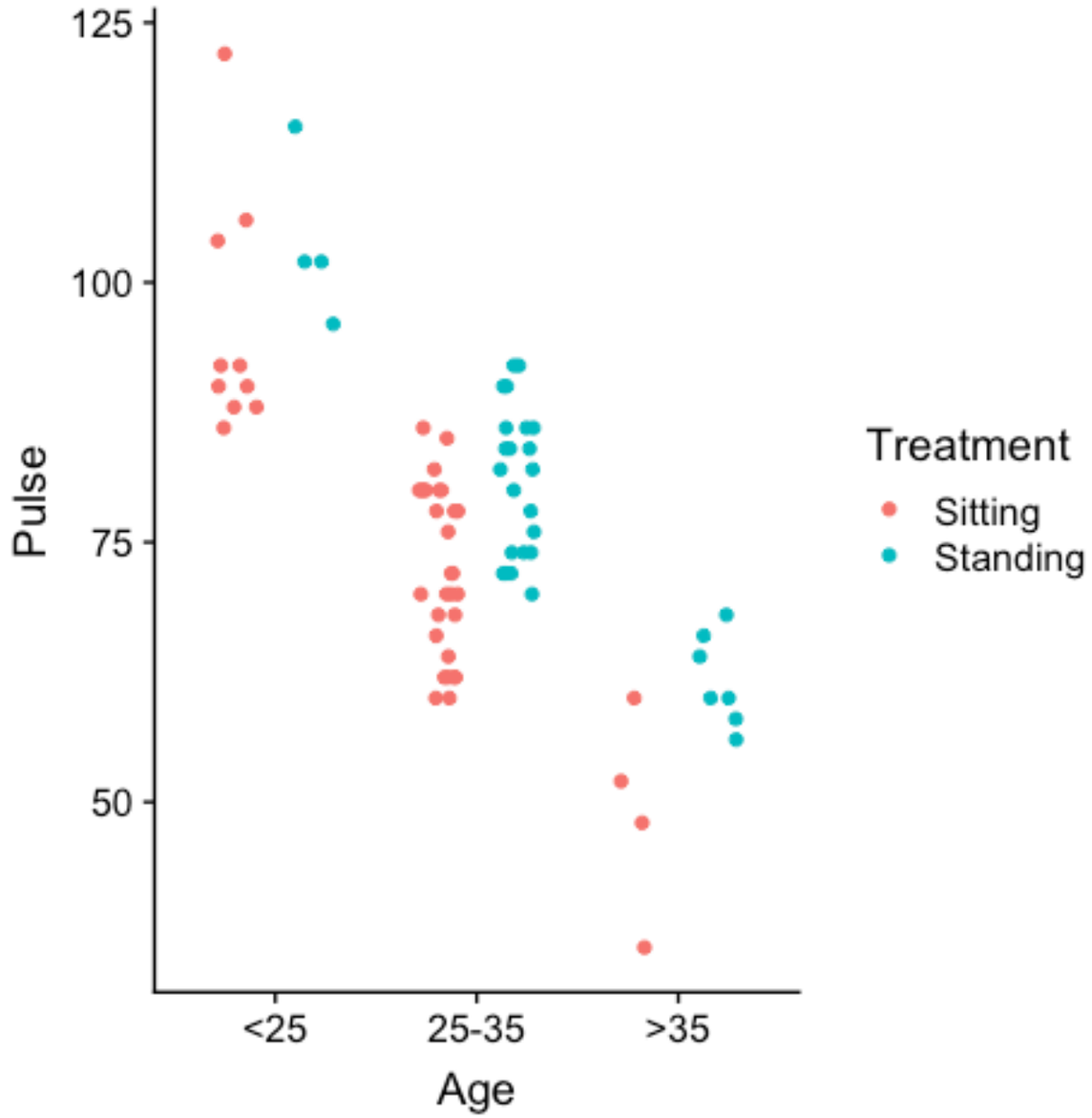
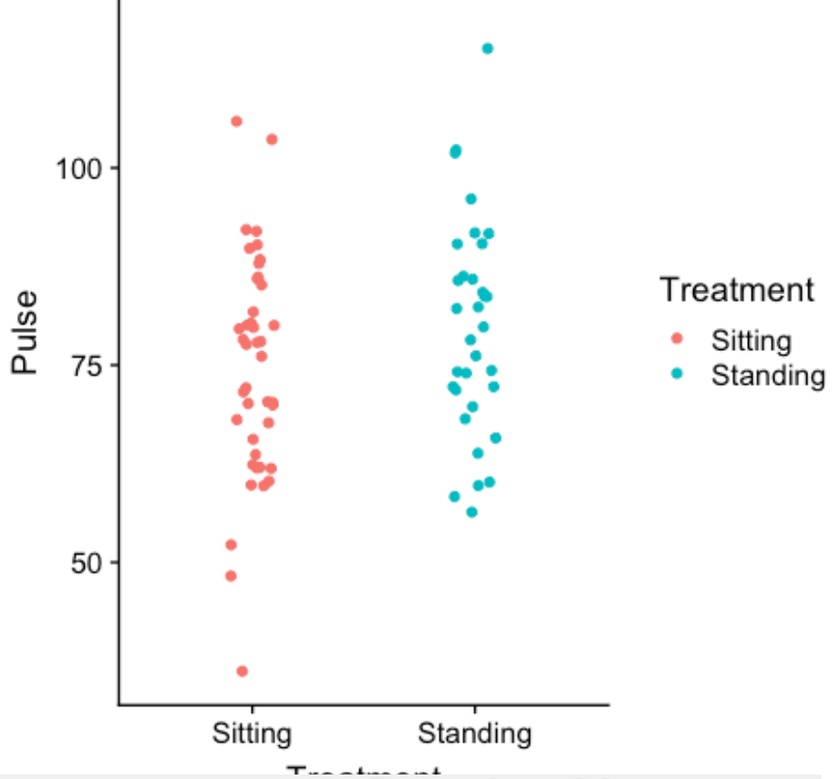



```
anova(lm(Pulse~Treatment,pulse_data))
```

```
Analysis of Variance Table

Response: Pulse
           Df  Sum Sq Mean Sq F value Pr(>F)
Treatment   1   280.4  280.39  1.2784 0.2618
Residuals  75 16450.1  219.34
```

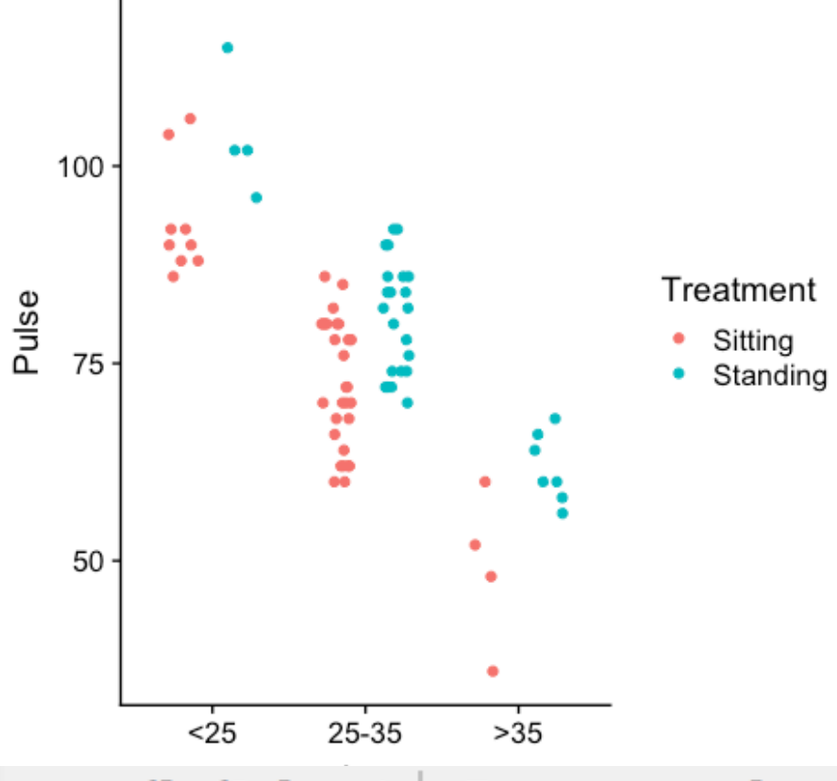

125
100
75
50
Pulse
Sitting
Standing
Treatment
Sitting
Standing
Treatment


125
100
75
50
Pulse
<25
25-35
>35
Age
Treatment
Sitting
Standing



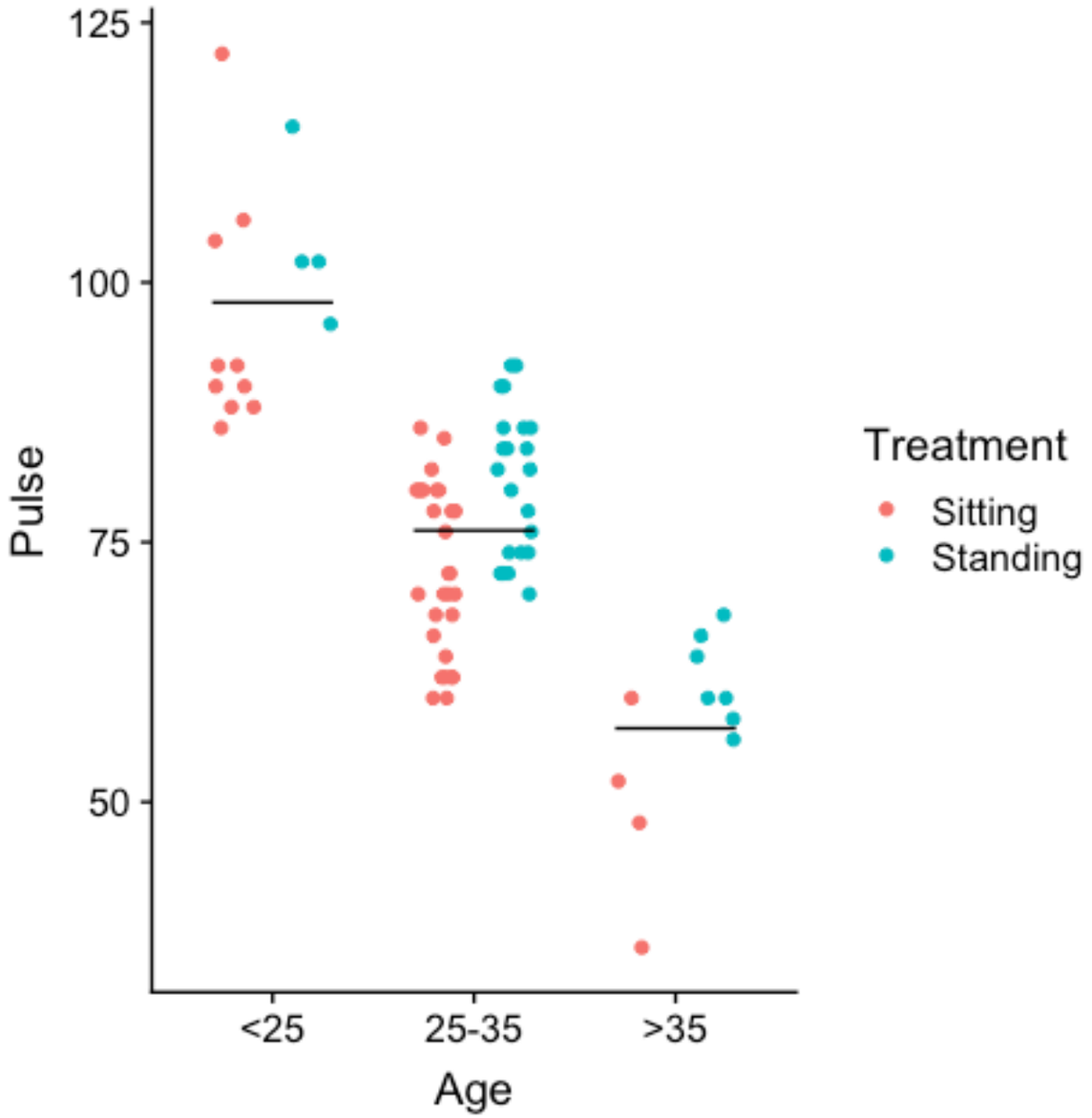

```
anova(lm(Pulse~Treatment,pulse_data))
```

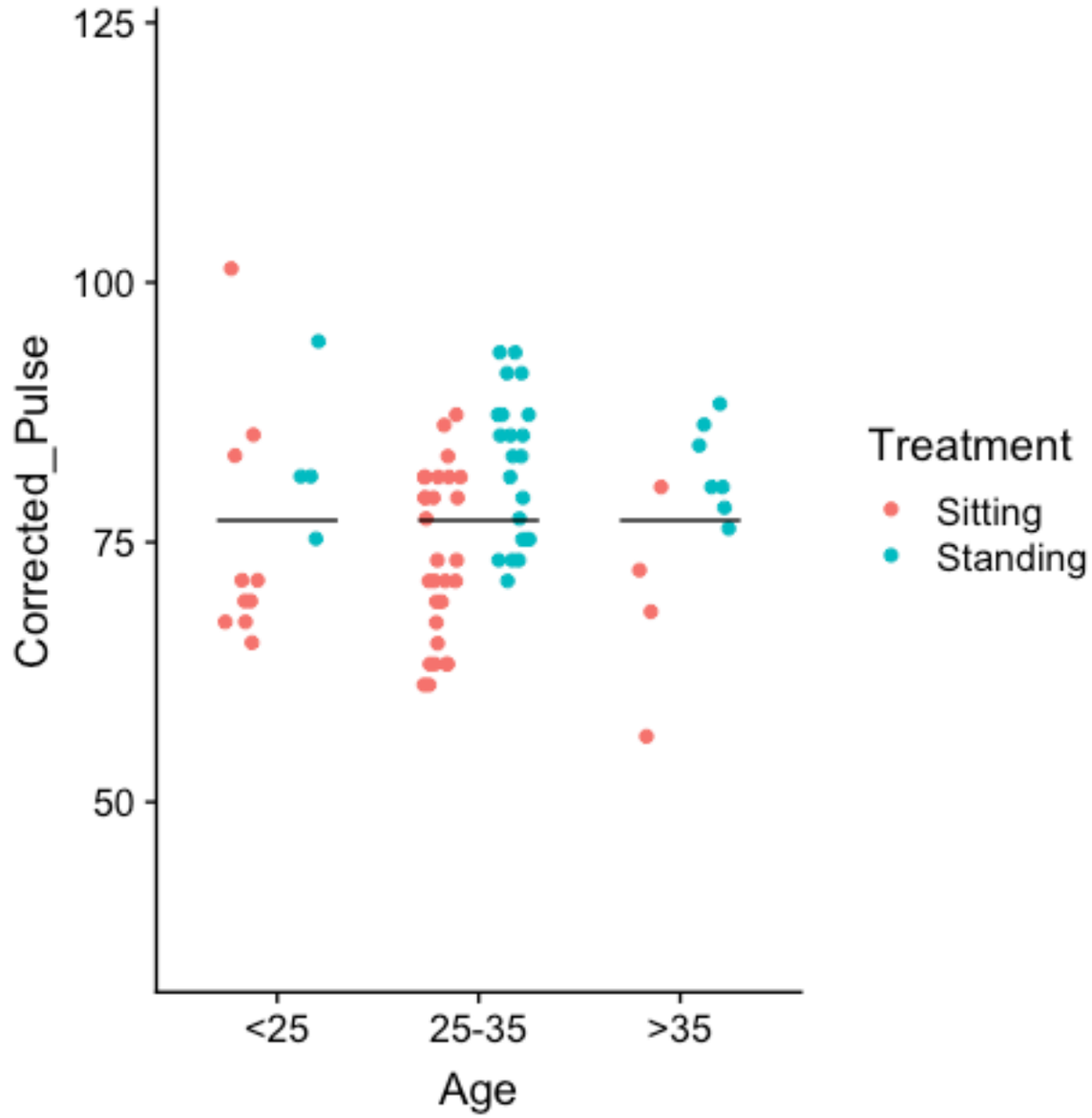
```
Analysis of Variance Table

Response: Pulse
          Df  Sum Sq Mean Sq F value Pr(>F)
Treatment  1   280.4  280.39  1.2784 0.2618
Residuals 75 16450.1  219.34
```

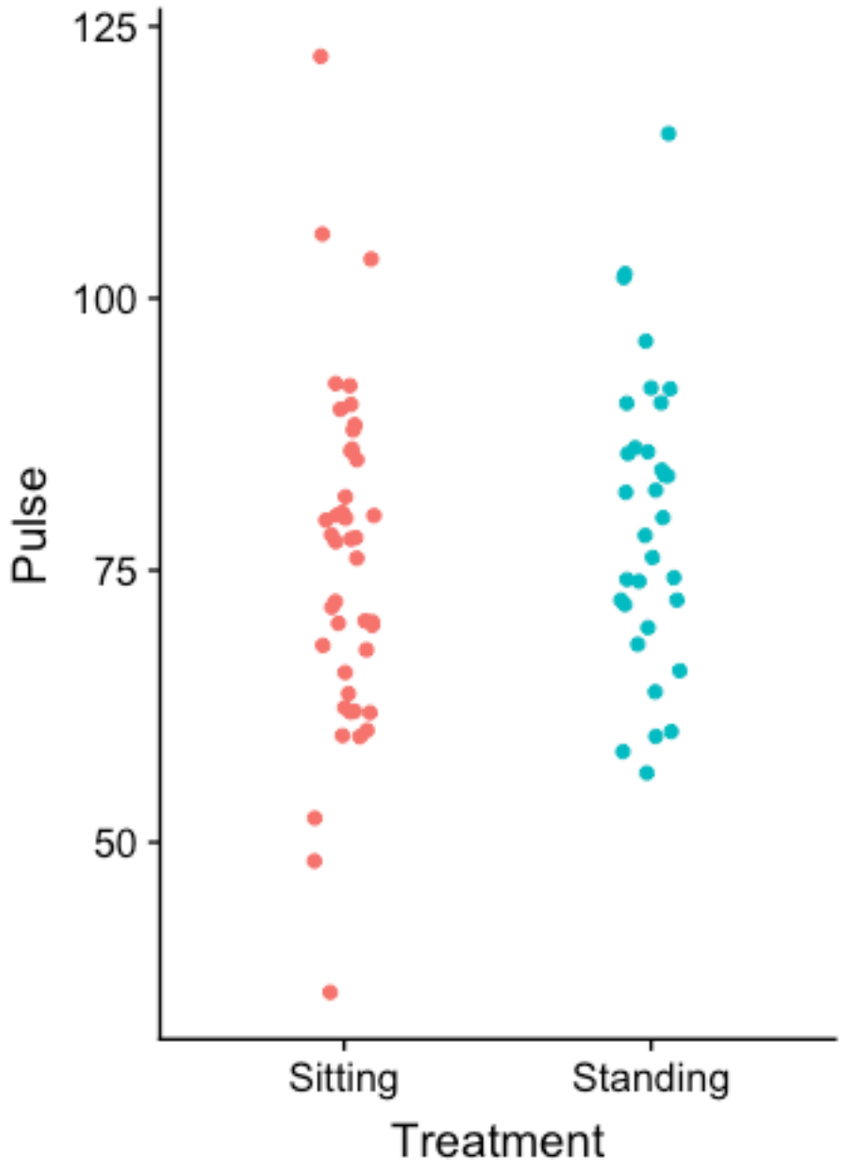



```
anova(lm(Pulse~Age+Treatment,pulse_data))
```

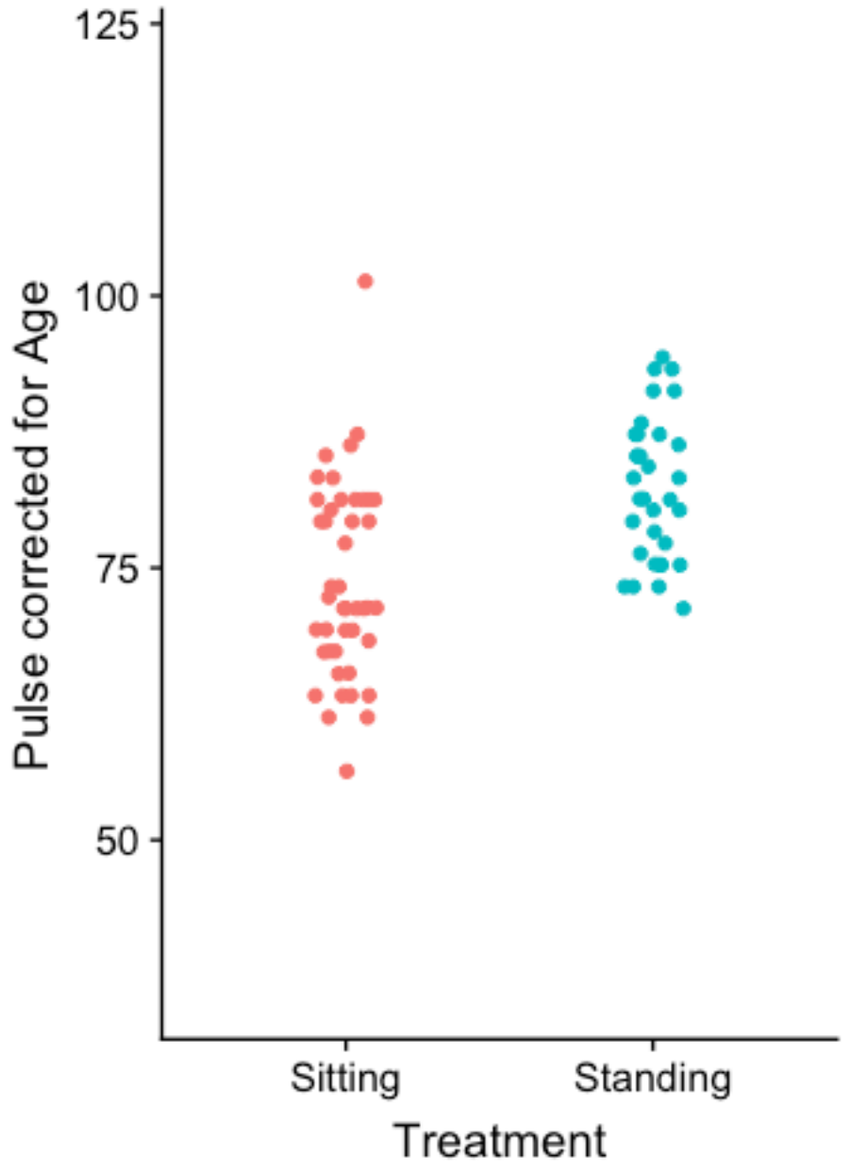
```
Analysis of Variance Table

Response: Pulse
          Df  Sum Sq Mean Sq F value    Pr(>F)
Age        2 10602.6  5301.3  82.146 < 2.2e-16 ***
Treatment  1  1416.8  1416.8  21.954 1.263e-05 ***
Residuals 73  4711.1    64.5
```


125
100
75
50
Pulse
<25
25-35
>35
Age
Treatment
Sitting
Standing

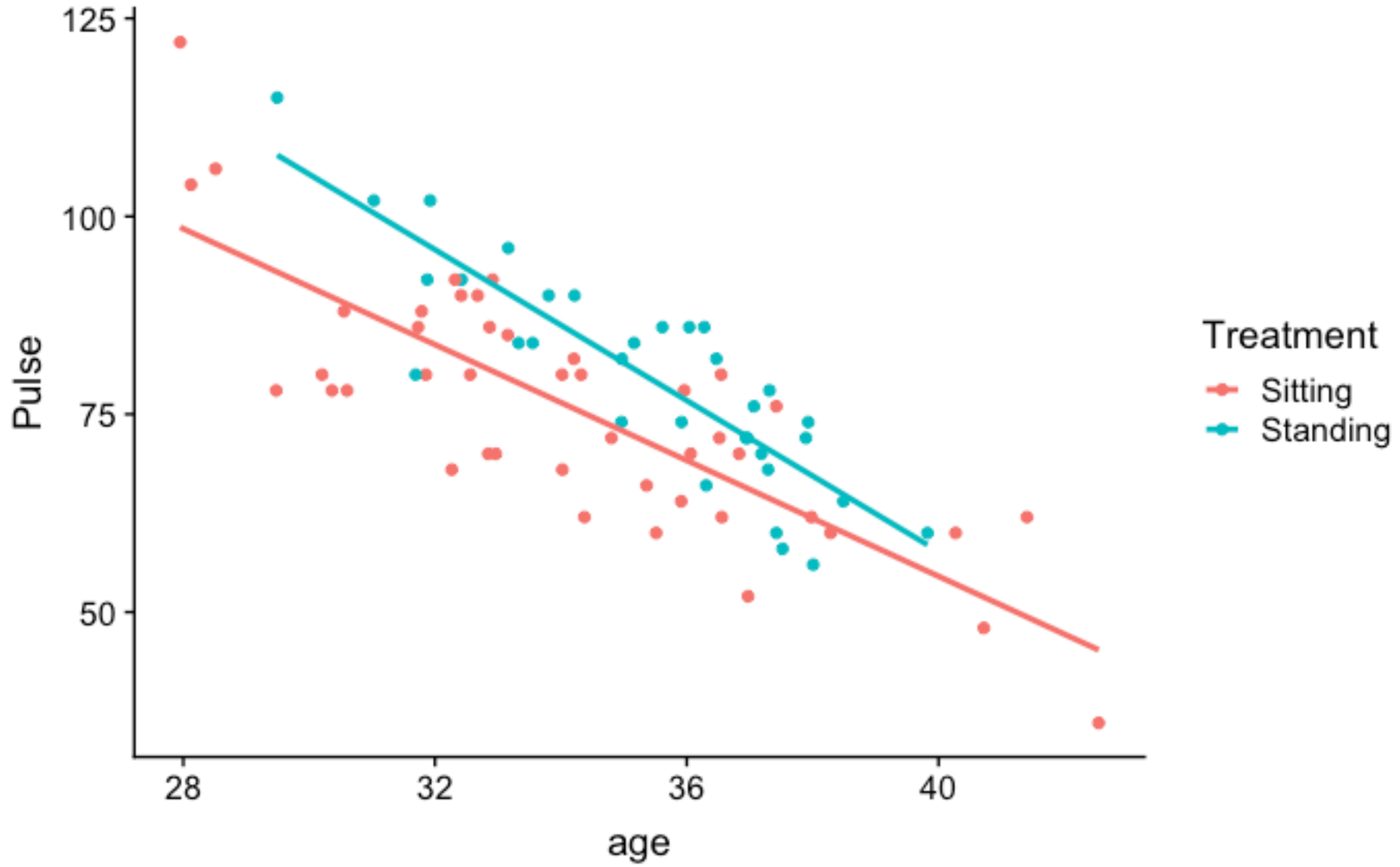

125
100
75
50
Corrected_Pulse
<25
25-35
>35
Age
Treatment
Sitting
Standing

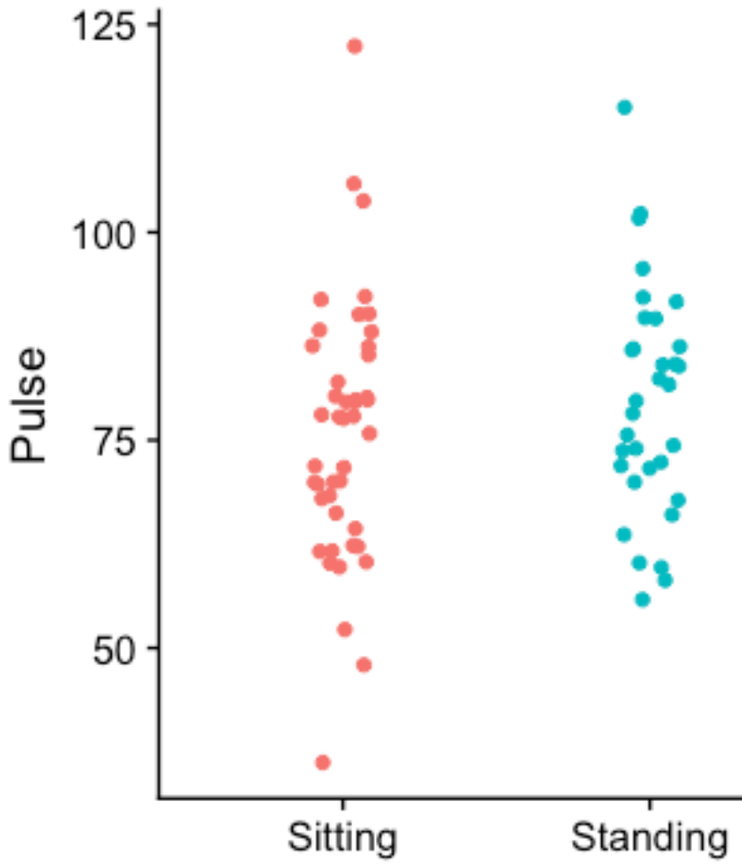

125
100
75
50
Pulse
Sitting
Standing
Treatment

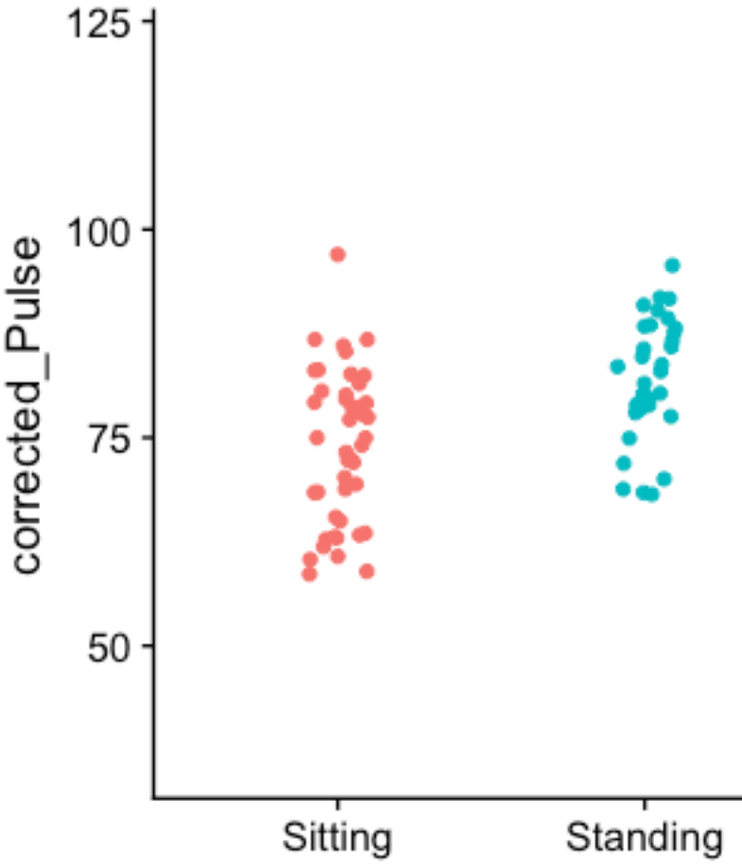
Treatment
Sitting
Standing

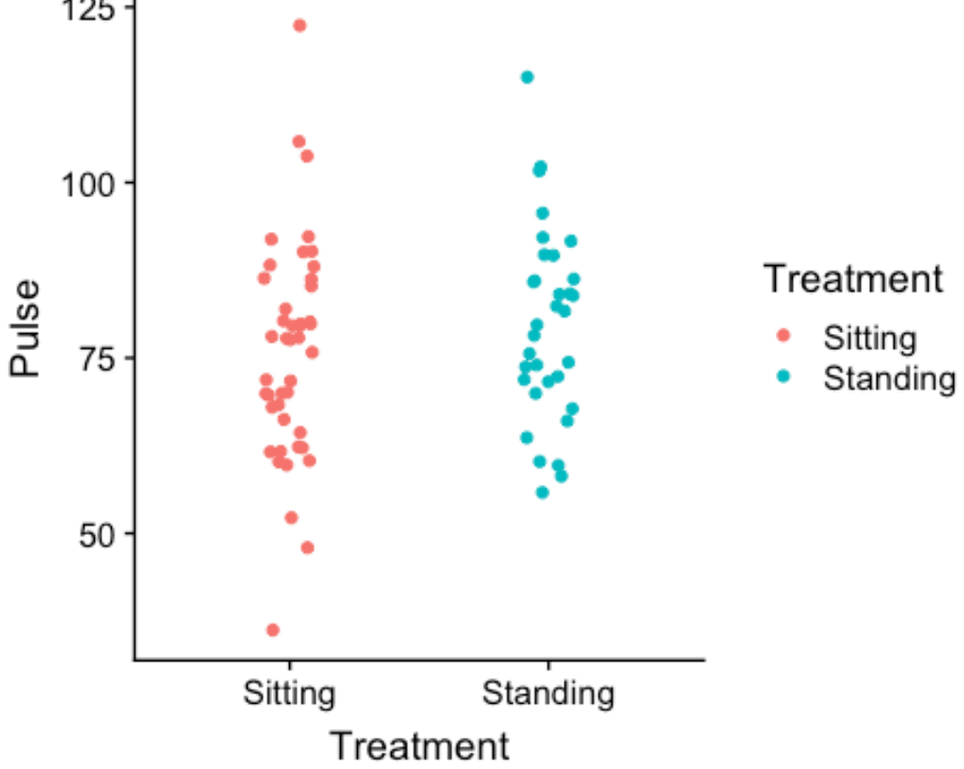

125
100
75
50
Pulse corrected for Age
Sitting
Standing
Treatment

Treatment
Sitting
Standing


125
100
75
50
Pulse
28
32
36
40
age
Treatment
Sitting
Standing

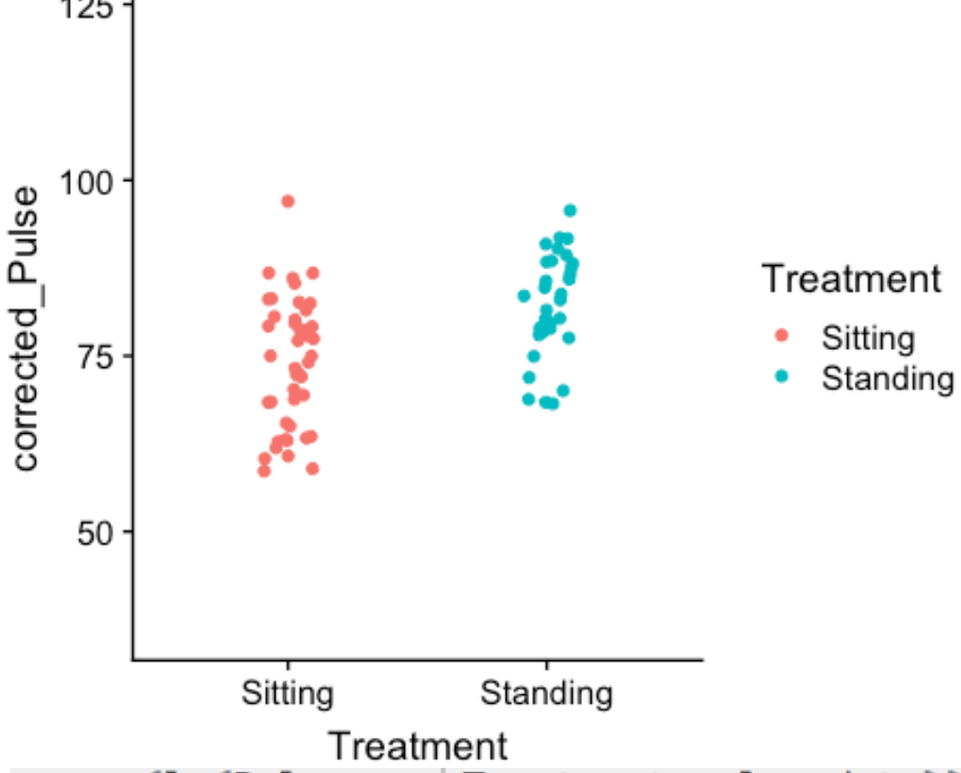

125
100
75
50
Pulse
Sitting
Standing
Treatment
Treatment
Sitting
Standing


125
100
75
50
corrected_Pulse
Sitting
Standing
Treatment
Treatment
Sitting
Standing



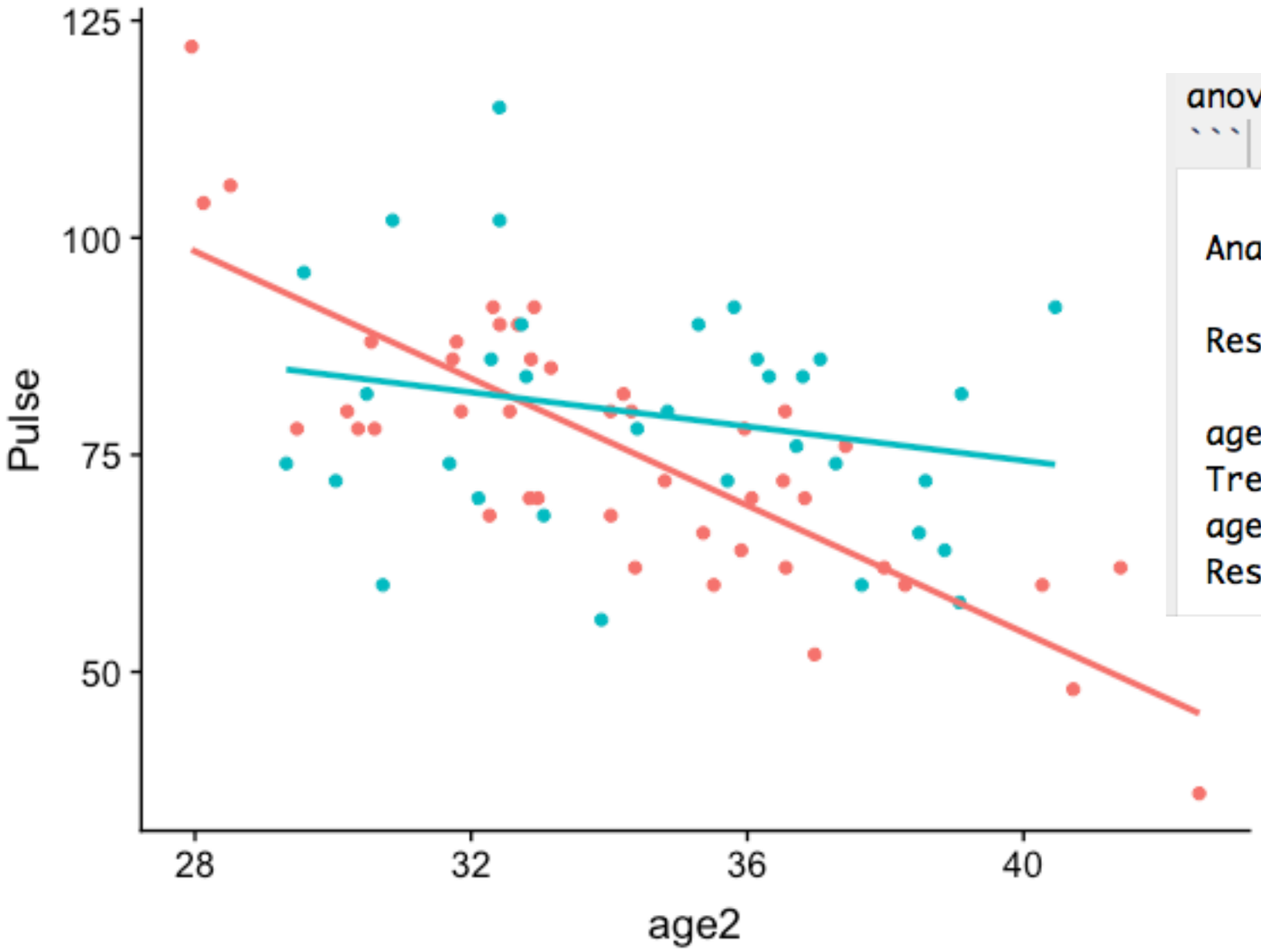

```
anova(lm(Pulse~Treatment,pulse_data))
```

```
Analysis of Variance Table

Response: Pulse
          Df  Sum Sq Mean Sq F value Pr(>F)
Treatment  1   280.4  280.39  1.2784 0.2618
Residuals 75 16450.1  219.34
```




```
anova(lm(Pulse~age+Treatment,pulse_data))
```

```
Analysis of Variance Table

Response: Pulse
          Df  Sum Sq Mean Sq F value    Pr(>F)
age        1 10118.7 10118.7 142.149 < 2.2e-16 ***
Treatment  1  1344.3  1344.3  18.884 4.359e-05 ***
Residuals 74  5267.6    71.2
---
```




```
anova(lm(Pulse~age2*Treatment,pulse_data))
```

```
Analysis of Variance Table

Response: Pulse
               Df Sum Sq Mean Sq F value    Pr(>F)
age2            1 5589.7  5589.7 44.1130 4.774e-09 ***
Treatment       1  469.7   469.7  3.7067  0.058091 .
age2:Treatment  1 1421.1  1421.1 11.2155  0.001286 **
Residuals      73 9250.0   126.7
```