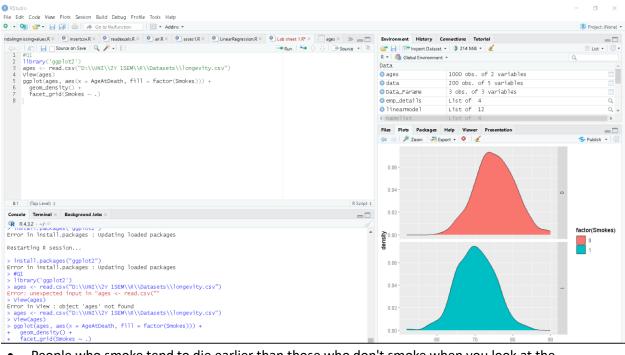
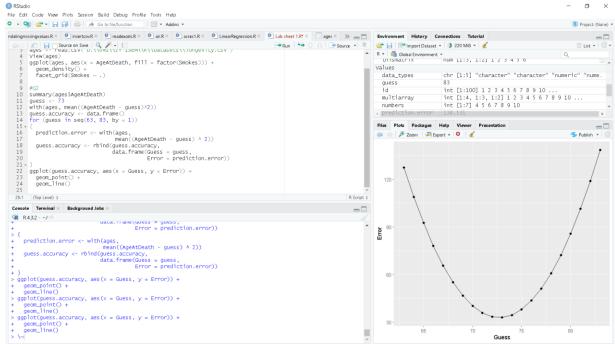
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## 1. The baseline model



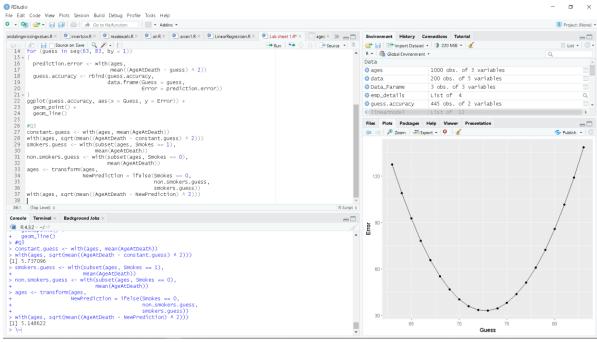
People who smoke tend to die earlier than those who don't smoke when you look at the graphs.

# 2. Mean Squared Error (MSE)



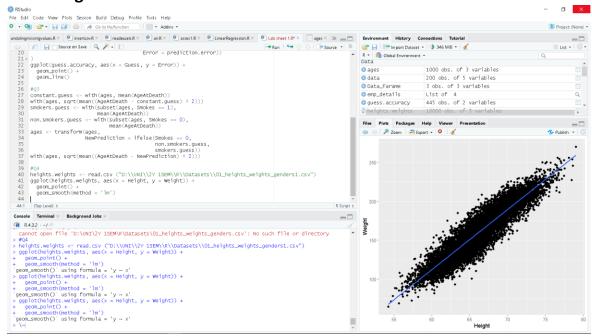
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3. Root Mean Squared Error (RMSE)



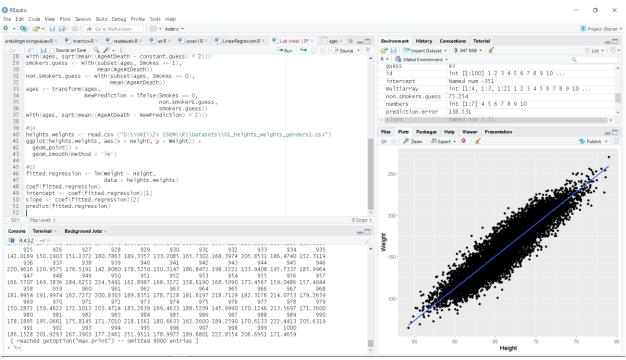
Without considering smoking data, our prediction error (RMSE) is 5.737096. When we
include smoking data, the error improves to 5.148622. This means that the prediction is
more accurate when we take smoking into account, making it a better estimate than just
using age at death alone.

# 4. Linear regression in a nut shell

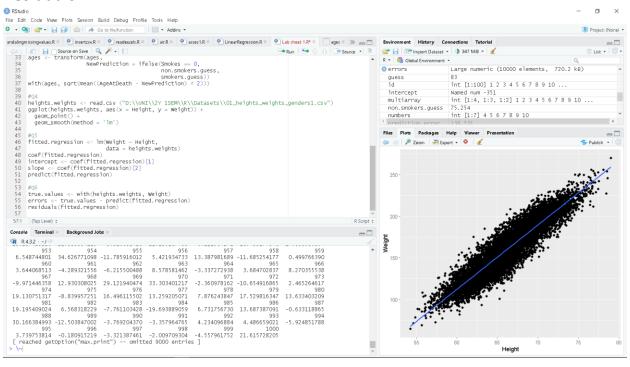


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### 5. Coefficients



#### 6. Residuals



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### 7. R-squared

