|  |
| --- |
| **Scatterplot with Regression Line**  ggplot(data = <NAME OF DATASET>,  mapping = aes(x = <NAME OF X-VARIABLE>,   y = <NAME OF Y-VARIABLE>)  ) +  geom\_point() +  geom\_smooth(method = “lm”) +  labs(x = "<TITLE FOR THE X-AXIS>",  y = “<TITLE FOR THE Y-AXIS>”) |
| **Calculating the Correlation**  get\_correlation(data = <NAME OF DATASET>,  <NAME OF VARIABLE 1> ~ <NAME OF VARIABLE 2>)  ***Note:*** The **~** is necessary! It has to be there! |
| **Fitting a Linear Regression**  my\_model <- lm(<NAME OF Y-VARIABLE> ~ <NAME OF X-VARIABLE>,  data = <NAME OF DATASET>)  ***Note:*** The **~** is necessary! It has to be there! |
| **Obtaining Coefficient Table**  get\_regression\_table(my\_model,  conf.level = **0.95**)  ***Note:*** You need to have fit the linear regression **before** this step!  ***Note:*** If you want a 90% confidence interval, you change conf.level to 0.90 |