library(palmerpenguins)  
library(moderndive)

lm(body\_mass\_g ~ . , data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.877 0.873 79631. 282. 287. 255. 0 9 333

lm(body\_mass\_g ~ . -year, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.875 0.872 80659. 284. 288. 284. 0 8 333

lm(body\_mass\_g ~ . -sex, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.853 0.849 94951. 308. 312. 235. 0 8 333

lm(body\_mass\_g ~ . -flipper\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.863 0.86 88256. 297. 301. 256. 0 8 333

lm(body\_mass\_g ~ . -bill\_depth\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.873 0.87 81908. 286. 290. 279. 0 8 333

lm(body\_mass\_g ~ . -bill\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.874 0.871 81384. 285. 289. 281. 0 8 333

lm(body\_mass\_g ~ . -island, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.876 0.874 79869. 283. 286. 329. 0 7 333

lm(body\_mass\_g ~ . -species, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.847 0.843 99062. 315. 319. 257. 0 7 333

lm(body\_mass\_g ~ . - island - year, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.875 0.873 80828. 284. 287. 380. 0 6 333

lm(body\_mass\_g ~ . - island - sex, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.852 0.849 95580. 309. 312. 313. 0 6 333

lm(body\_mass\_g ~ . - island - flipper\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.863 0.861 88278. 297. 300. 344. 0 6 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.873 0.871 82154. 287. 290. 373. 0 6 333

lm(body\_mass\_g ~ . - island - bill\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.874 0.871 81636. 286. 289. 376. 0 6 333

lm(body\_mass\_g ~ . - island - species, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.831 0.829 108979. 330. 333. 323. 0 5 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - bill\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.869 0.867 84623. 291. 294. 434. 0 5 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.871 0.869 83702. 289. 292. 440. 0 5 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - species, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.818 0.815 117911. 343. 346. 368. 0 4 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - flipper\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.856 0.853 93353. 306. 308. 387. 0 5 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - sex, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.832 0.829 108823. 330. 333. 323. 0 5 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - bill\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.867 0.865 86047. 293. 296. 534. 0 4 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - flipper\_length\_mm, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.856 0.854 93385. 306. 308. 486. 0 4 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - sex, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.824 0.822 113574. 337. 340. 385. 0 4 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - species, data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.807 0.805 125076. 354. 356. 457. 0 3 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - bill\_length\_mm - sex,   
 data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.787 0.785 137667. 371. 373. 405. 0 3 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - bill\_length\_mm - species,   
 data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.806 0.805 125512. 354. 356. 685. 0 2 333

lm(body\_mass\_g ~ . - island - bill\_depth\_mm - year - bill\_length\_mm - flipper\_length\_mm,   
 data = penguins) |>   
 get\_regression\_summaries()

# A tibble: 1 × 9  
 r\_squared adj\_r\_squared mse rmse sigma statistic p\_value df nobs  
 <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>  
1 0.847 0.845 99037. 315. 317. 606. 0 3 333