**Practicum Assignment #4**

* **Formulate your main research question(s) in terms of formal hypothesis tests**
  + Original research question: How do the factors of height, weight, age, gender, etc affect performance (if at all)?
  + Test the hypothesis that the variables “TotalKg” and “BodyweightKg” are related
    - Ho: an athlete’s lift capability and bodyweight are independent
    - Ha: an athlete’s lift capability and bodyweight are not independent
  + Test the hypothesis that the variables “TotalKg” and “Age” are related
    - Ho: an athlete’s lift capability and age are independent
    - Ha: an athlete’s lift capability and age are not independent
  + Test the hypothesis that the variables “TotalKg” and “sex\_stat” are related
    - Ho: an athlete’s lift capability and gender are independent
    - Ha: an athlete’s lift capability and gender are not independent
* **Use gretl to conduct the hypothesis tests**

Text

Description automatically generatedText

Description automatically generated

Text

Description automatically generatedText

Description automatically generated

Text

Description automatically generatedText

Description automatically generated