

P8139  
Homework #4  
Due 04/19/22

1. Use FMS\_data to conduct a genetic association study using candidate genes.
  - (1) Choose two traits (one binary one continuous) and several candidate genes of your choices.
  - (2) Work on the following items:
    - a. conduct association analyses;
    - b. conduct multiple comparisons adjustment;
    - c. investigate population stratification using Principal Component Analysis (PCA);
    - d. write a summary of your finding starting with descriptive statistics.