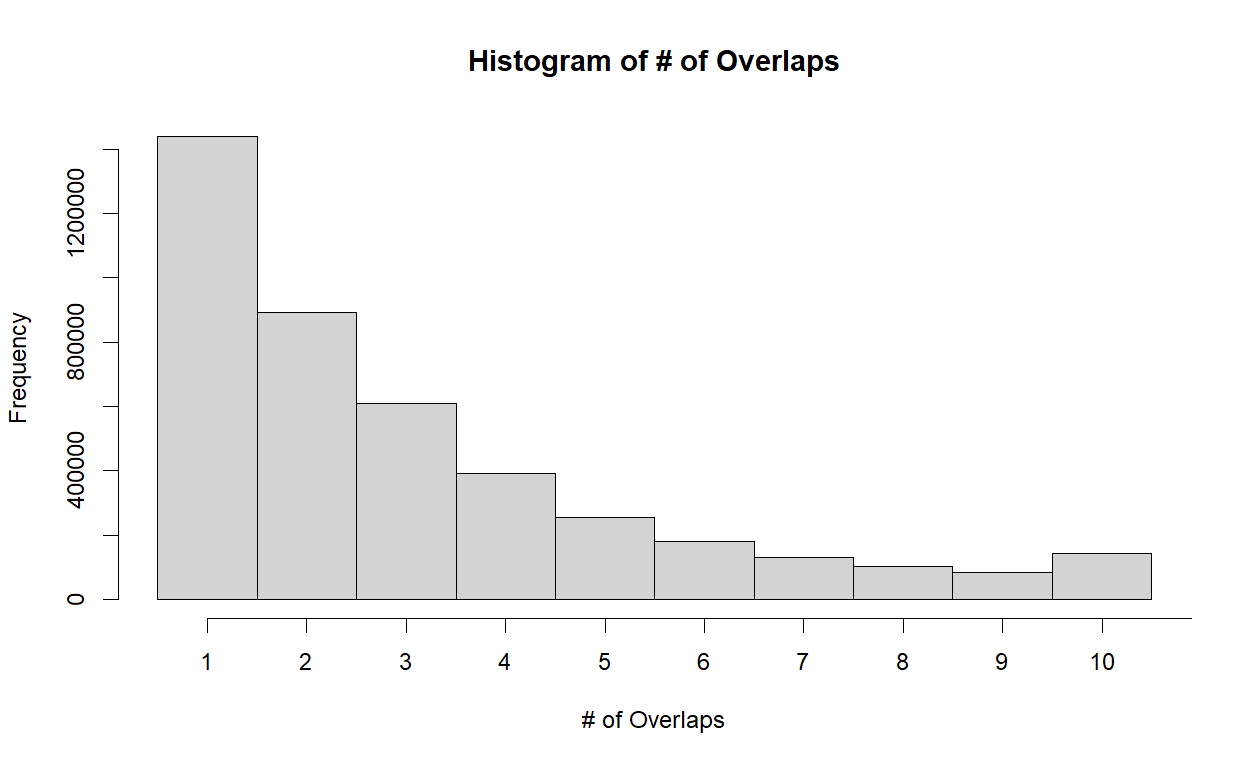
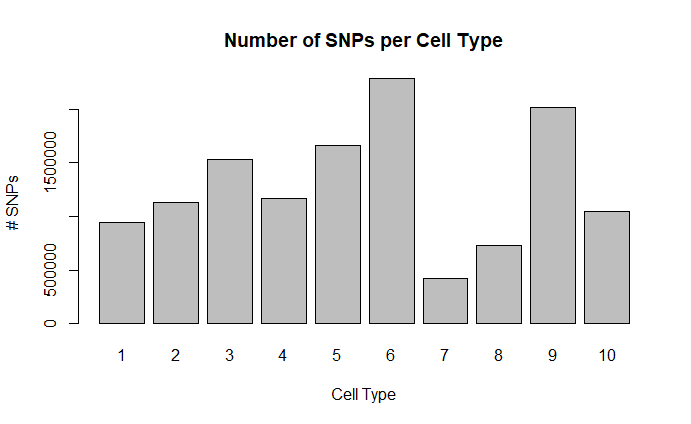
1/4/2022

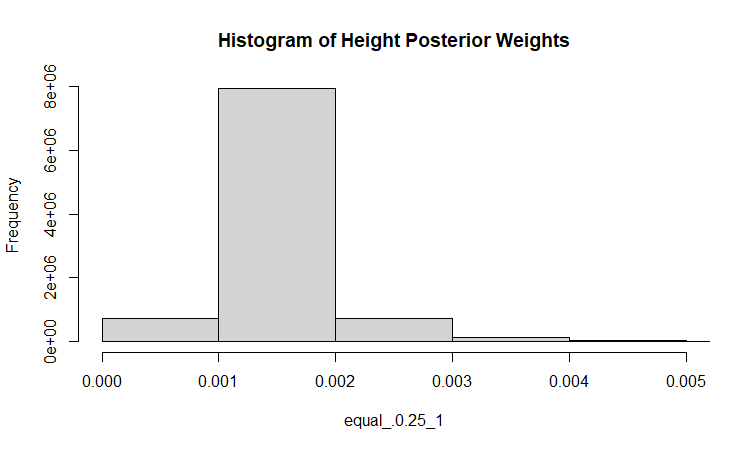
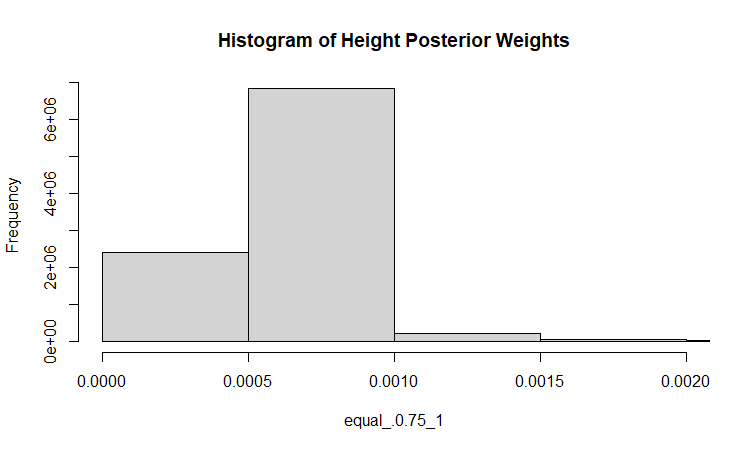
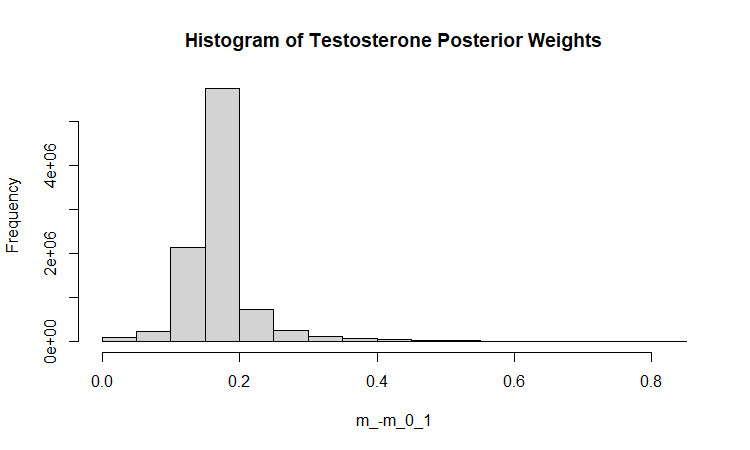
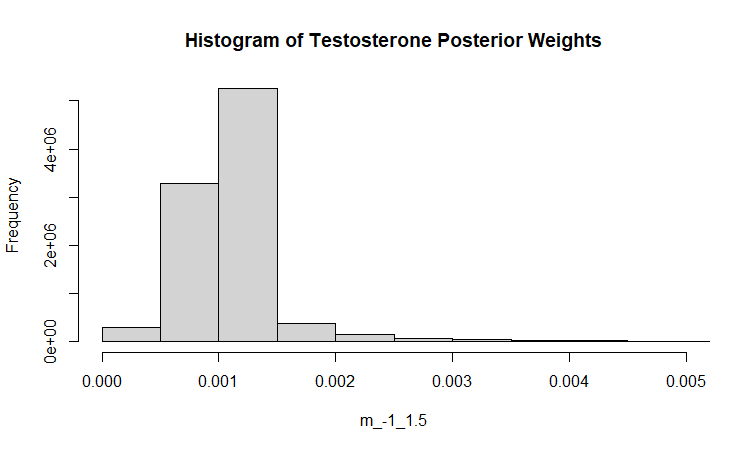
**Partitioned mash Weights**

* Weight proportions (from each individual snps in the posterior step) similar, but not exactly the same as the mixture proportions mash generates (from average of 100 trials)



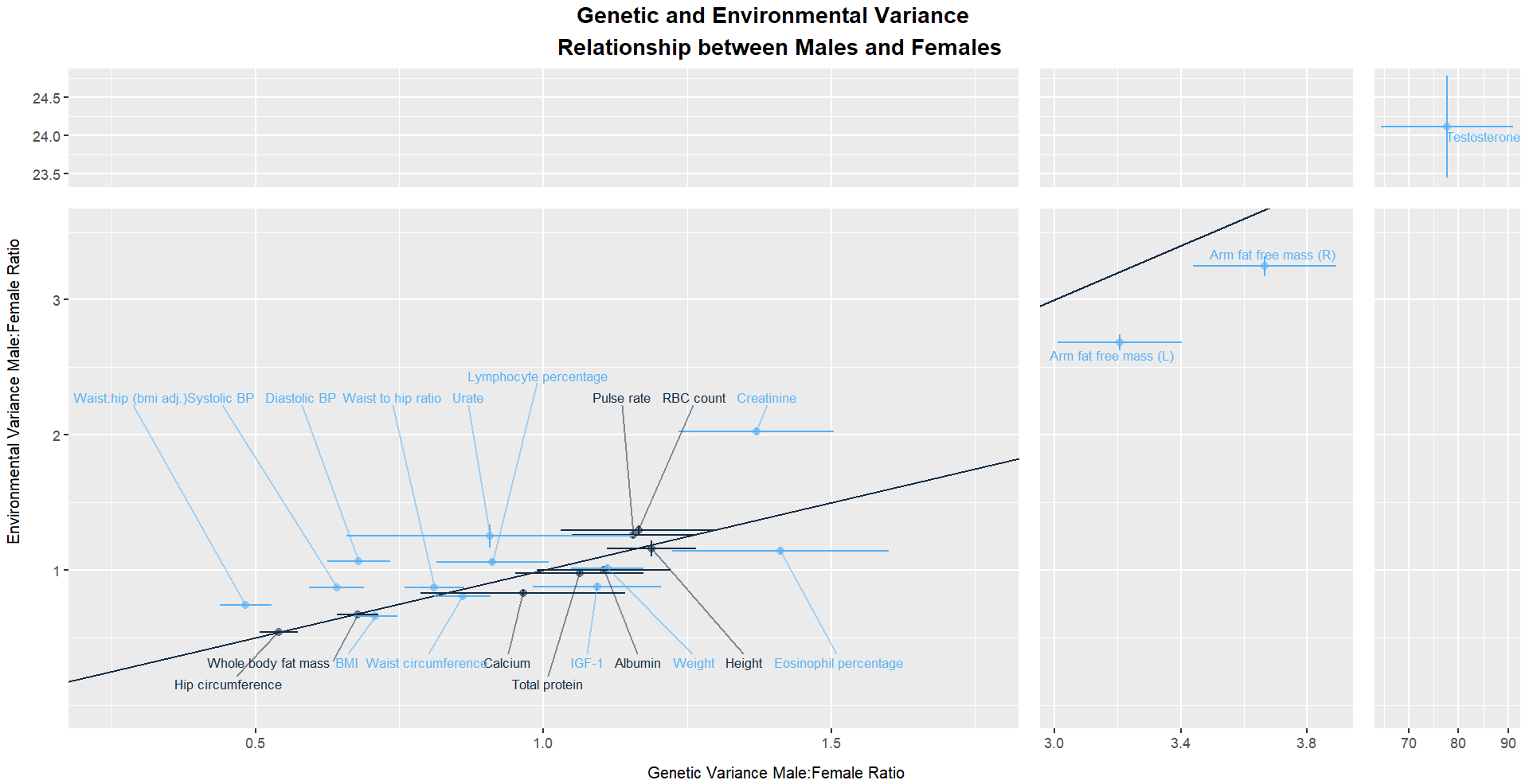






**Genetic v Environmental Variance**

Bootstrap



Non-bootstrap

Graphical user interface

Description automatically generated

Creatinine

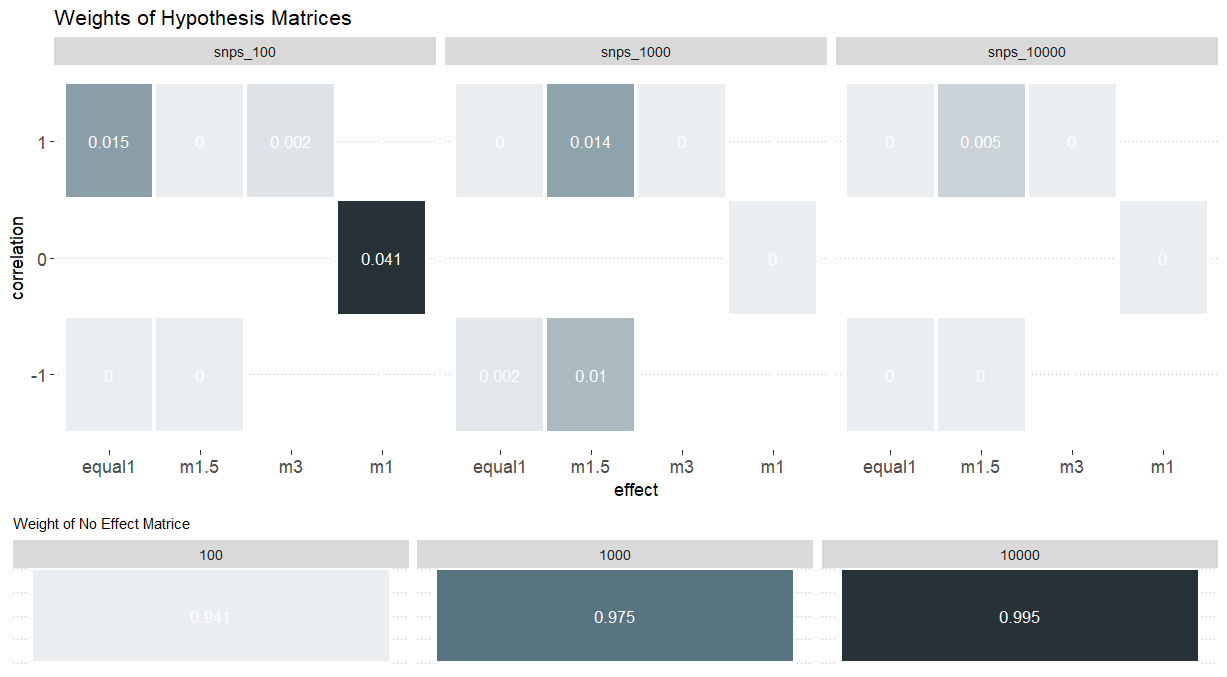
* Waste product of muscles; filtered out by kidneys; exits in urine
* Serum kidney influenced by glomerular filtration rate, age, gender, skin color, ethnicity, illnesses, diet, etc
* CKD chronic kidney disease has strong genetic component
* Males, on average, have ~17% higher creatinine levels than females do
  + Reflect lean muscle mass
* Levels highly affected by dietary intake and muscle mass
* Usually measured to test how well kidneys are filtering, but known to vary with multiple factors across individuals
  + Filters at relatively steady rate within individual

<https://labs.selfdecode.com/blog/creatinine/>

Chart, bar chart

Description automatically generated

Simulation

****

* Increasing null value when increase number of snps? Should be opposite