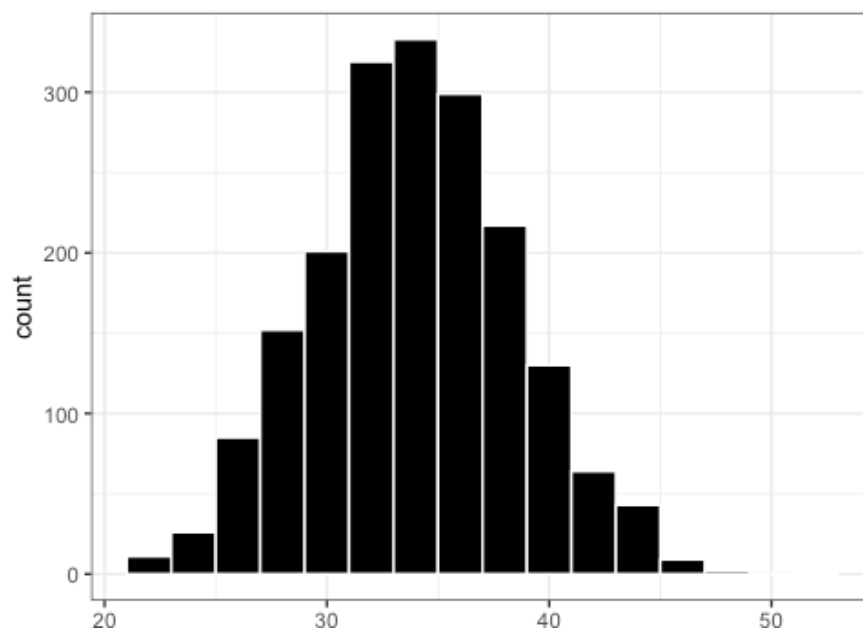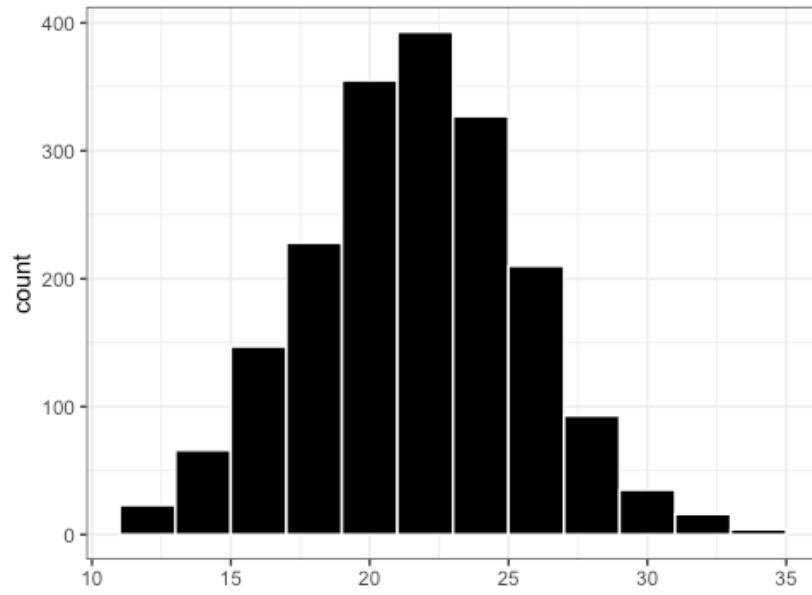**Supplementary Figure 1. Distributions of HDL-C, LDL-C, TG, and TC polygenic risk scores among African American adults, unweighted and weighted.** Unweighted and weighted population-appropriate PRSs for HDL-C, LDL-C, TG, and TC were calculated for each patient based on published summary statistics for diverse populations from the PAGE Study (Hu et al., 2020). As described in Methods & Materials, we calculated unweighted PRSs for each patient and each lipid trait by counting the number of risk alleles for 42, 34, 50, and 46 HDL-C, LDL-C, TG, and TC-associated SNPs, respectively. PRSs were weighted using the absolute value of the betas for the corresponding associations published by the PAGE Study (Hu et al., 2020).
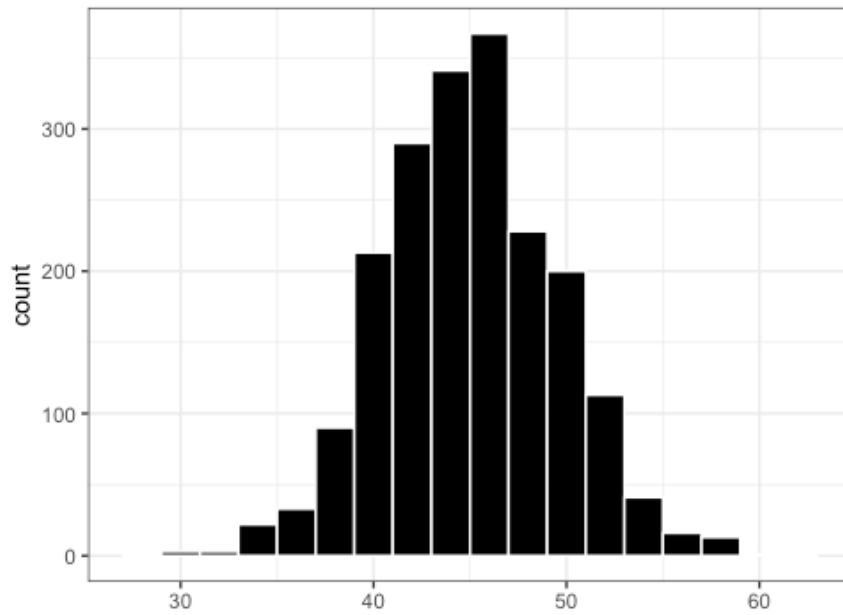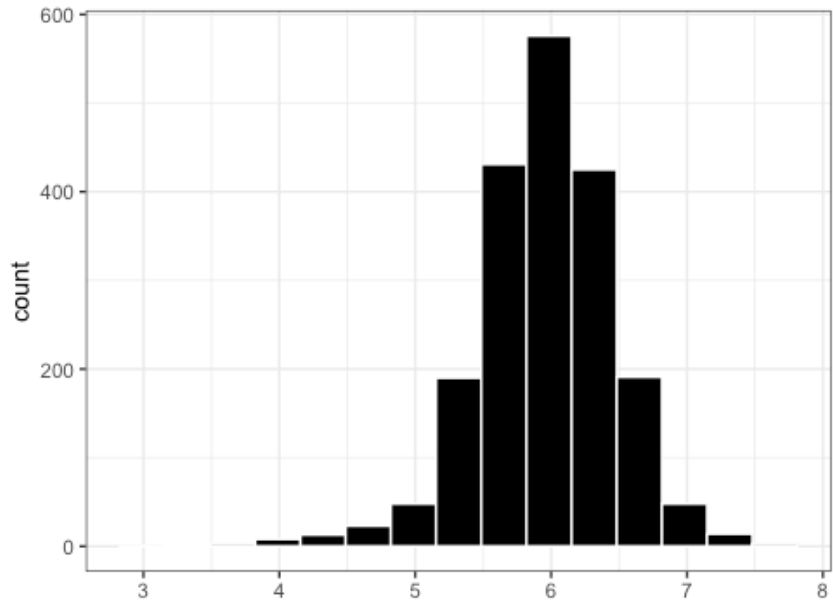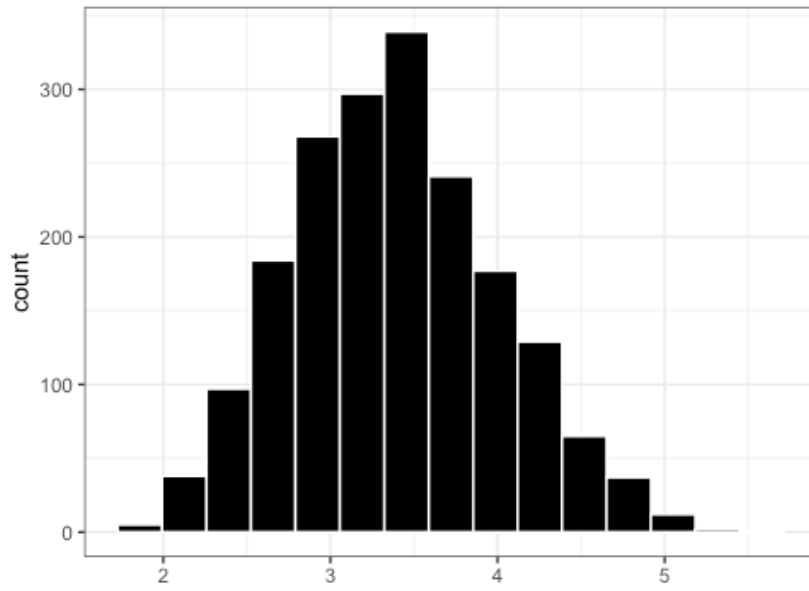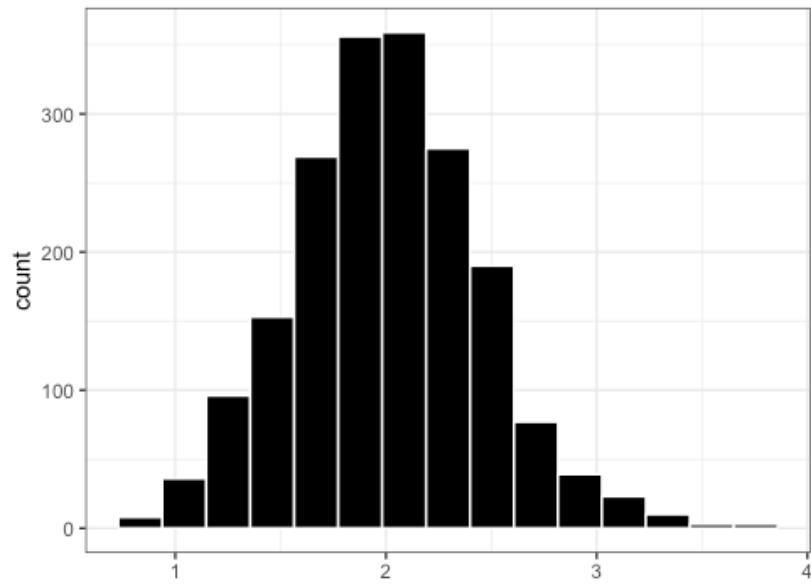
A) **HDL-C, unweighted**

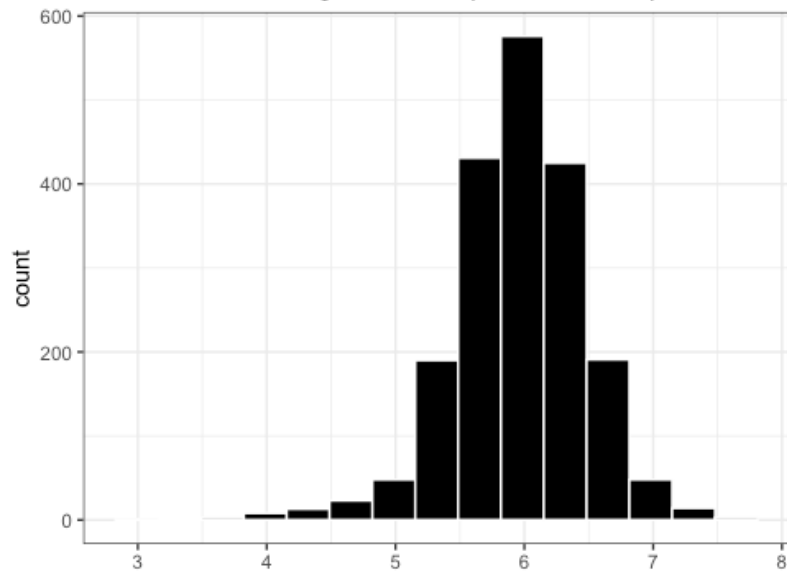**B) LDL-C, unweighted**

C) TG, unweighted

D) TC, unweighted

E) HDL-C, weighted

F) LDL-C, weighted

G) TG, weighted

H) TC, weighted