a

cov-LDSC input

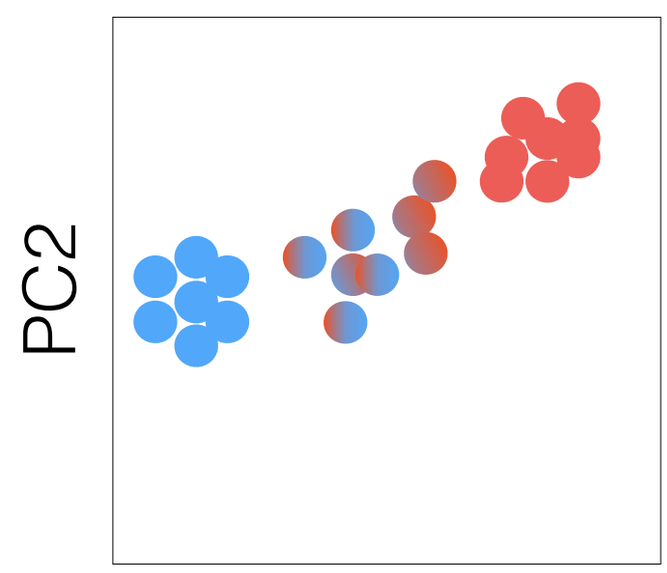
Genotype data

1	1	2	2	1	0	0	1	1	2
1	2	2	2	2	1	1	2	2	2
0	1	2	2	1	2	2	2	2	0
0	1	0	0	0	0	1	1	0	2
1	1	1	1	1	2	1	0	0	1

SNPs

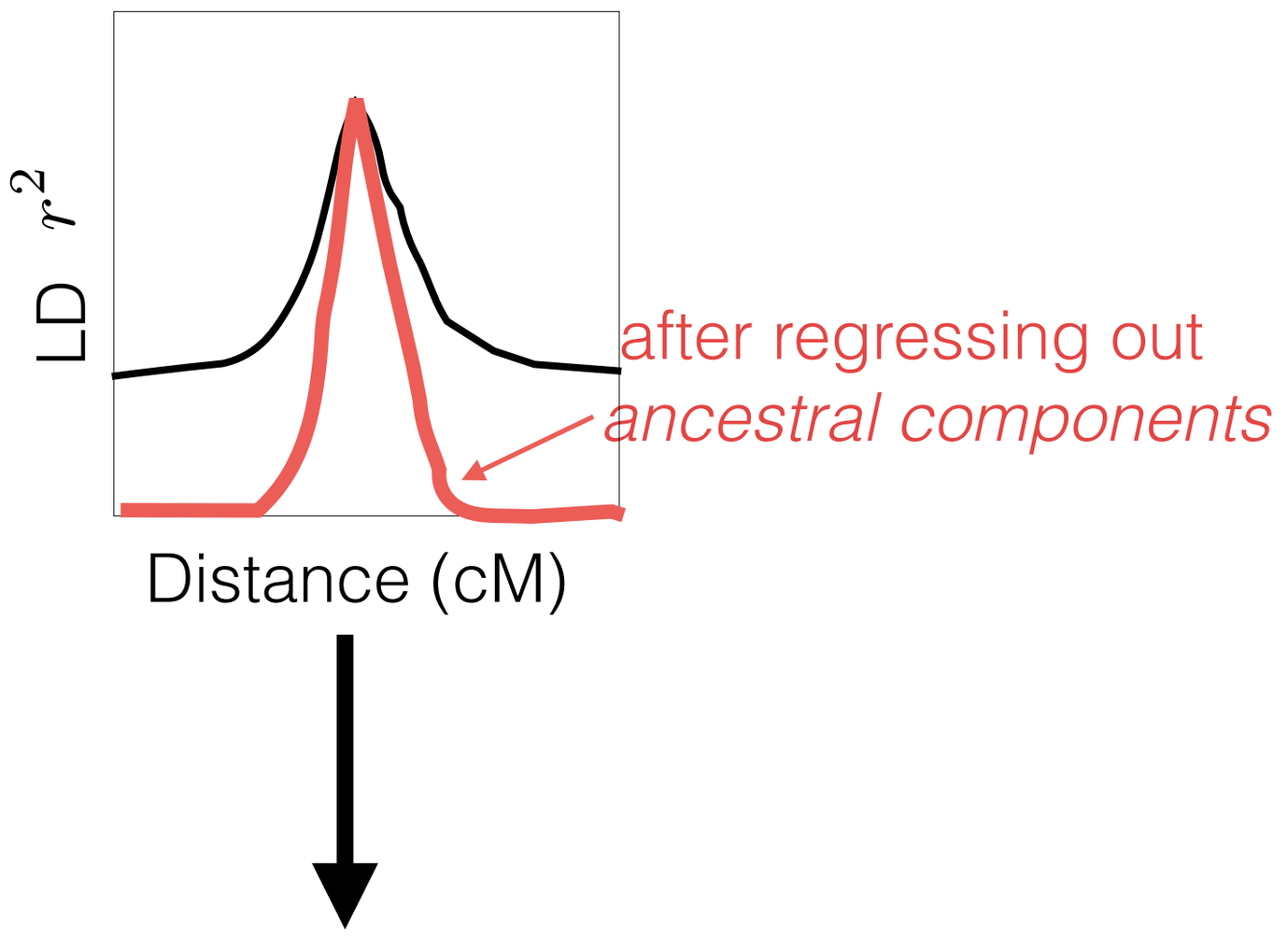
+

principal components



b

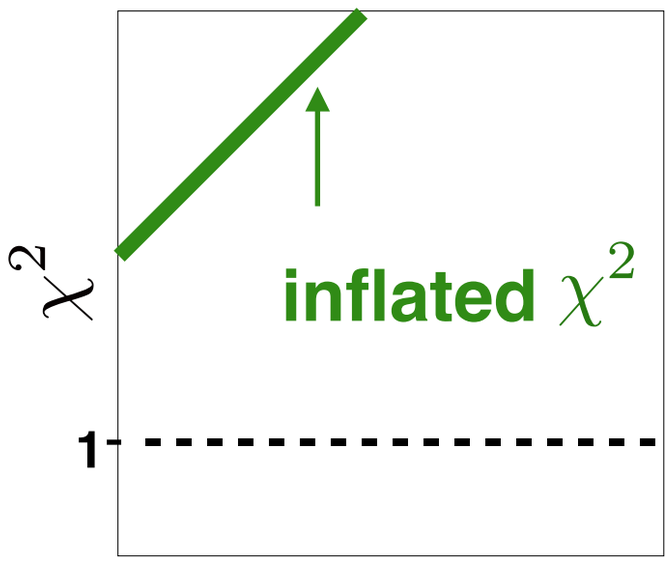
LD score calculation



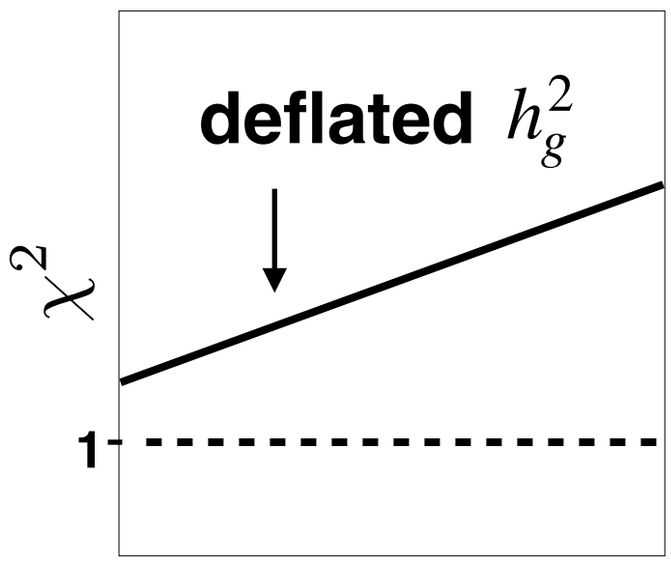
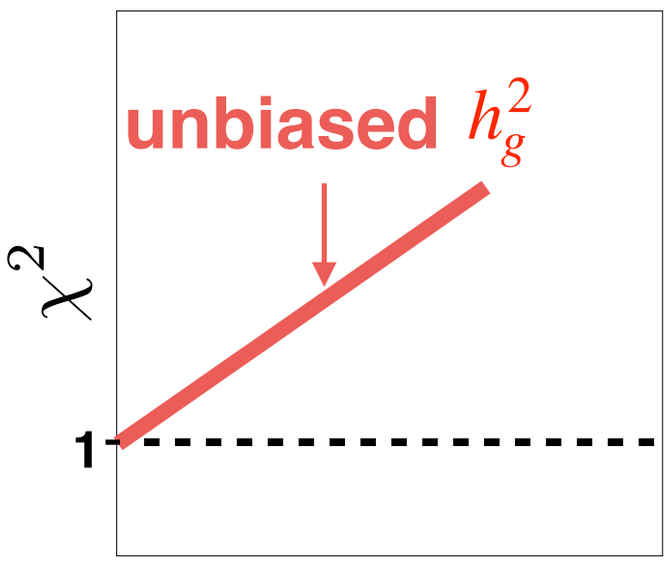
c

heritability estimation

unadjusted LD + unadjusted χ^2



unadjusted LD + adjusted χ^2



adjusted LD + adjusted χ^2