GWAS characteristics

Conditional variances of phenotypes

Causal exposure
SNP characteristics

IV selection and simulation scenario

1) Number of exposures number_of_exposures

2) GWAS sample sizes sample_size_Xs sample_size_Y

3) GWAS sample overlap prop_gwas_overlap_Xs_and_Y

1) Variance in Y explained by x, U;
x explained by U
Y_variance_explained_by_U
Xs_variance_explained_by_U
Xs_variance_explained_by_U
signs_of_causal_effects

2) Phenotypic, genetic correlation between **x**phenotypic correlation Xs

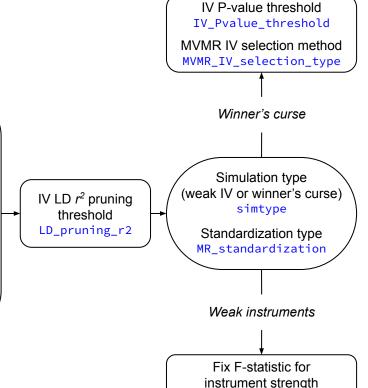
phenotypic_correlation_Xs
genetic_correlation_Xs

1) Number, MAF of causal **x** SNPs number_of_causal_SNPs

2) Variance in **x** explained by **g**- Partitioned by UHP, CHP, valid SNPs

number_of_UHP_causal_SNPs number_of_CHP_causal_SNPs Xs_variance_explained_by_g Y_variance_explained_by_UHP U_variance_explained_by_CHP

3) LD between SNPs in **g**LD causal SNPs



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