

Input

ID	z
rs1	0.5
rs2	-1.2
rs3	0.3
...	...

GWAS summary statistics

■	Liver eQTL
■	Adipose eQTL
▲	Liver sQTL
▲	Adipose sQTL

Prediction models (weights)



LD reference

Muli-group cTwas

Harmonizing variants in GWAS and weights

Estimating parameters

EM

Computing Z-scores of molecular traits

Computing correlations among groups

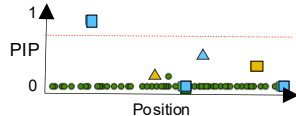
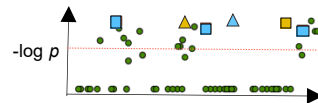
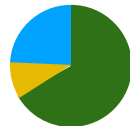
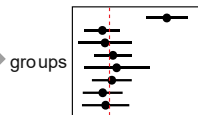
Fine-mapping causal effects

SuSiE

Output

Enrichment

Heritability %



■ Liver eQTL ▲ Liver sQTL
■ Adipose eQTL ▲ Adipose sQTL
● SNP