

Two sample MR report

Neutrophil count || id:ukb-d-30140_irnt against Lung cancer || id:ieu-a-966

Date: 15 July, 2020

Results from two sample MR:

method	nsnp	b	se	pval
MR Egger	247	-0.1620031	0.1434165	0.2597502
Weighted median	247	-0.0381354	0.0925432	0.6802791
Inverse variance weighted	247	0.0091688	0.0636801	0.8855147
Simple mode	247	0.2071312	0.2074613	0.3190622
Weighted mode	247	0.1071115	0.1398322	0.4444104

Heterogeneity tests

method	Q	Q_df	Q_pval
MR Egger	360.8980	245	2.0e-06
Inverse variance weighted	363.5097	246	1.6e-06

Test for directional horizontal pleiotropy

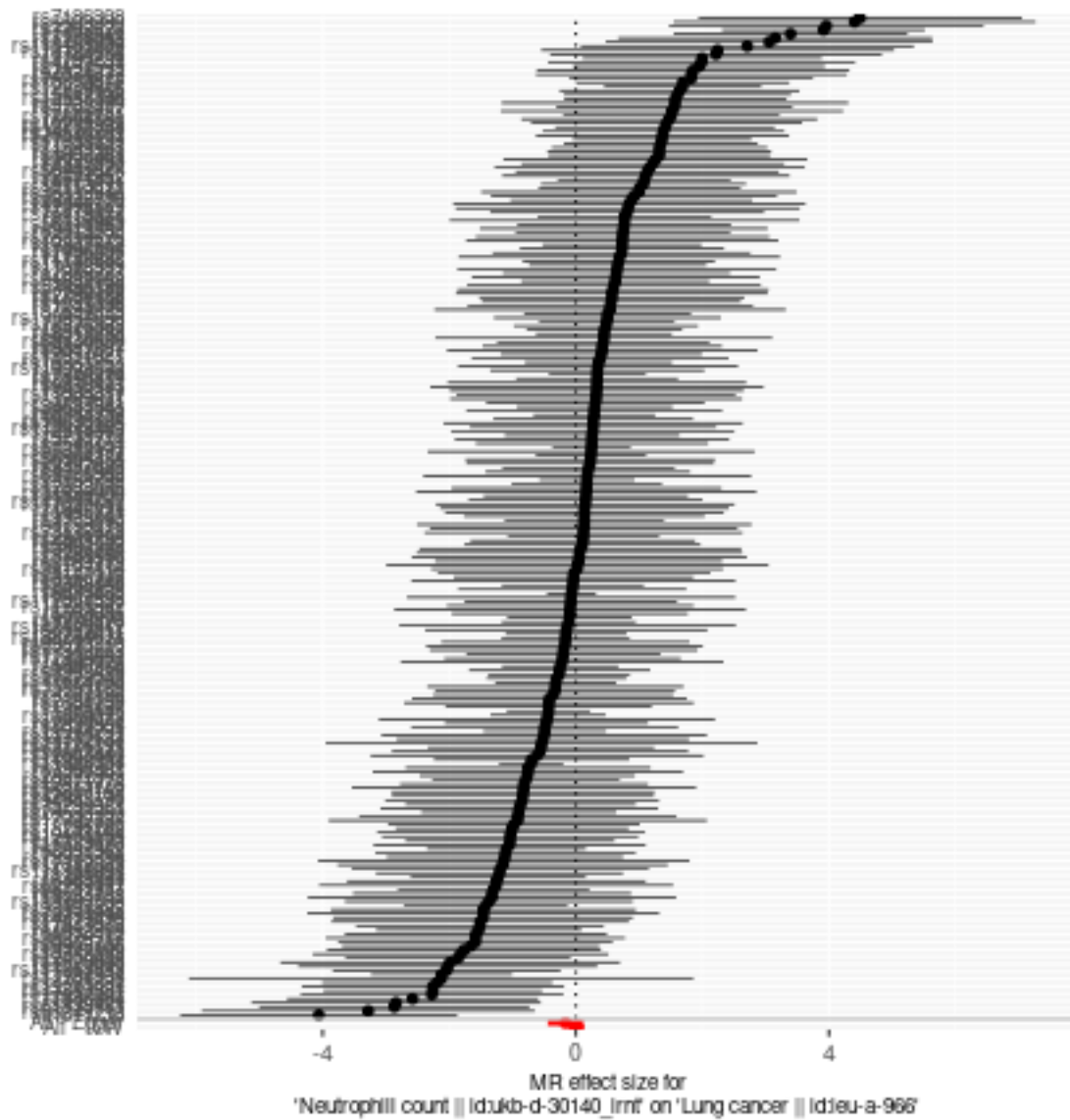
egger_intercept	se	pval
0.0048924	0.0036742	0.1842526

Test that the exposure is upstream of the outcome

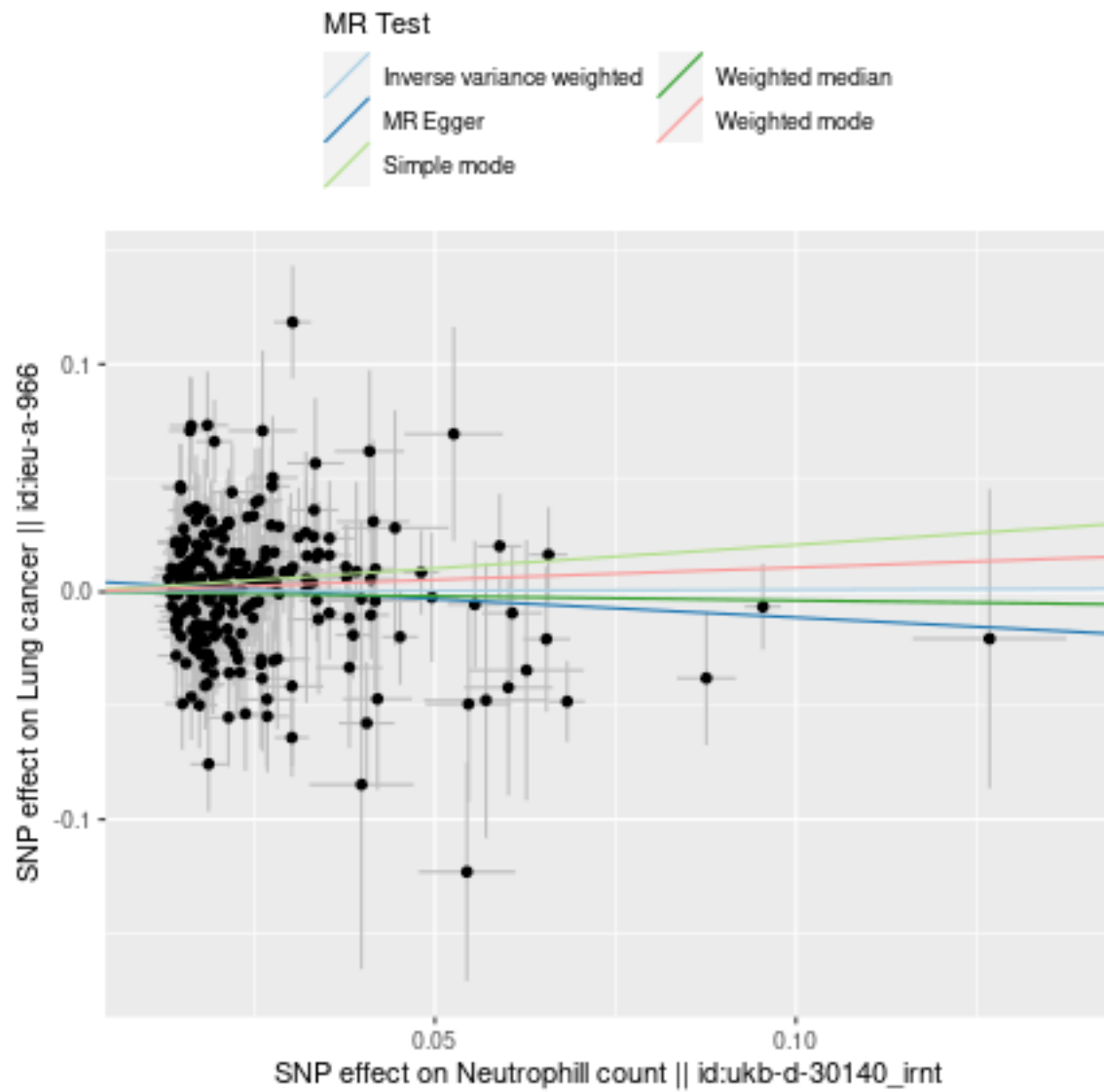
snp_r2.exposure	snp_r2.outcome	correct_causal_direction	steiger_pval
0.0597632	0.0132863	TRUE	0

Note - R² values are approximate

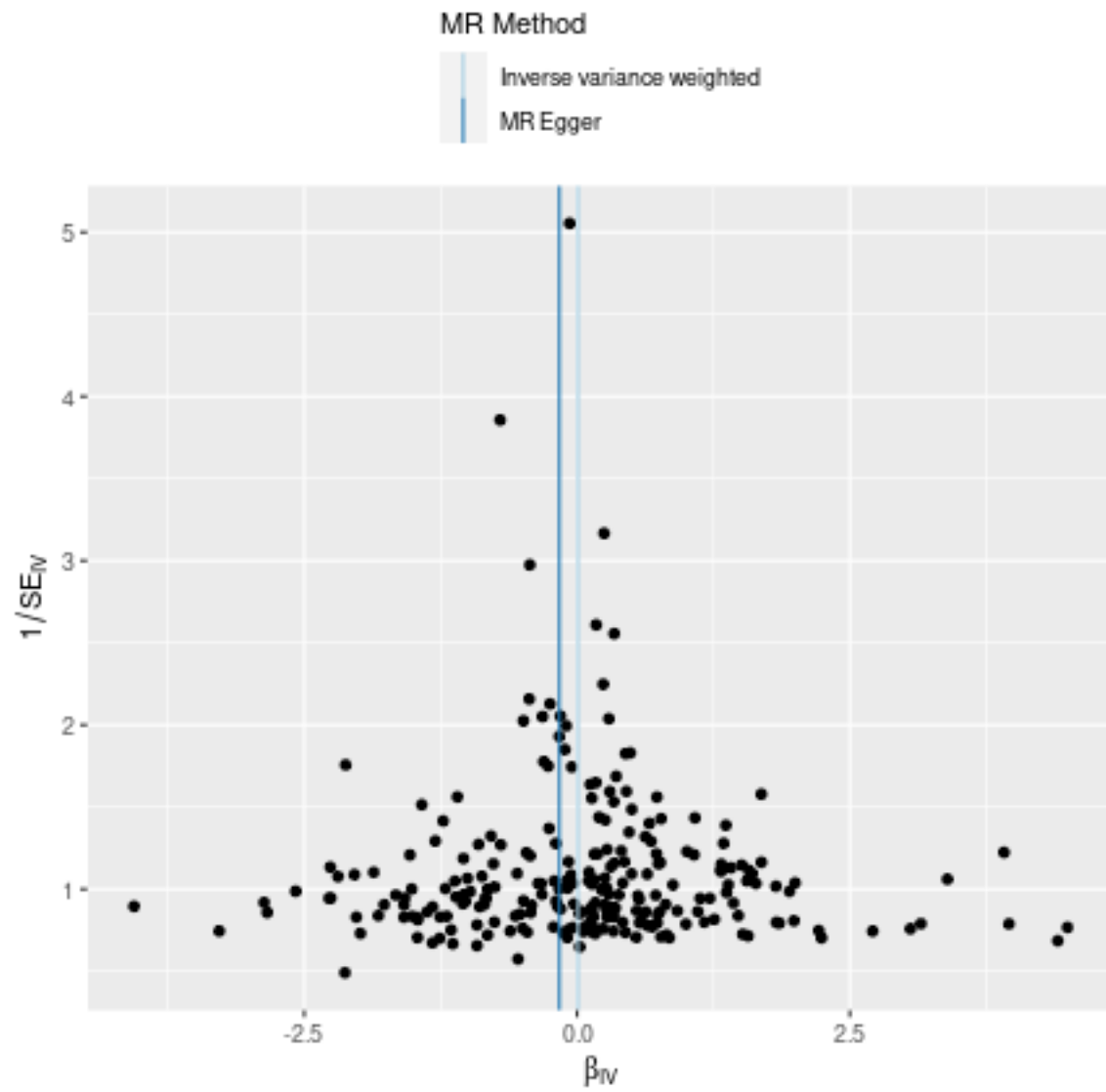
Forest plot of single SNP MR



Comparison of results using different MR methods



Funnel plot



Leave-one-out sensitivity analysis

