Two sample MR report

Neutrophill count || id:ukb-d-30140_irnt against Neuroblastoma || id:ieu-a-816

Date: **15 July, 2020**

Results from two sample MR:

method	nsnp	b	se	pval
MR Egger	113	0.9695486	0.5208618	0.0653289
Weighted median	113	0.4917061	0.3224597	0.1272939
Inverse variance weighted	113	0.3176605	0.1971825	0.1071803
Simple mode	113	0.0651606	0.7334205	0.9293639
Weighted mode	113	0.4433570	0.4261342	0.3003872

Heterogeneity tests

method	Q	Q_df	Q_pval
MR Egger	121.2356	111	0.2384342
Inverse variance weighted	123.2302	112	0.2204001

Test for directional horizontal pleiotropy

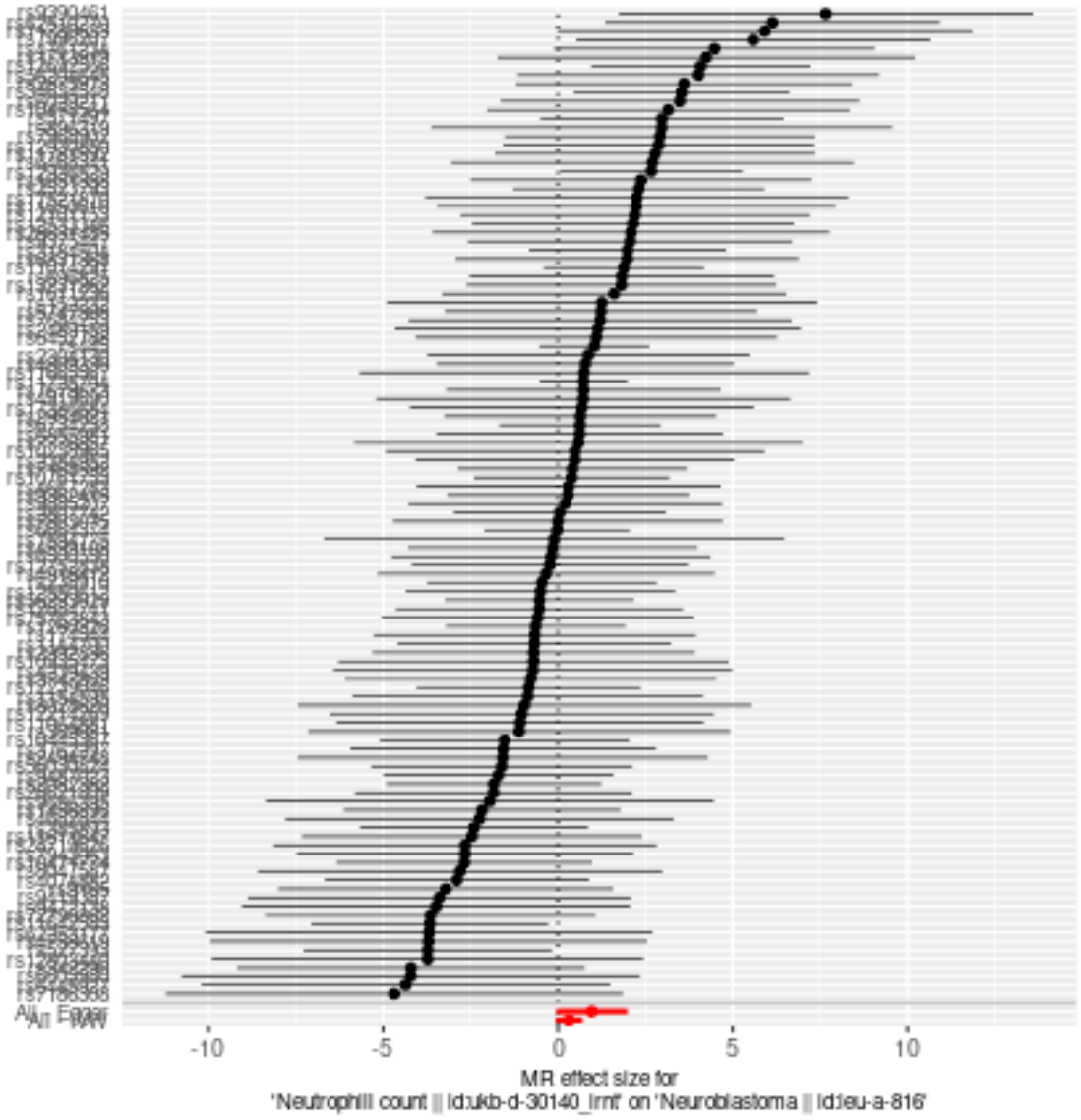
egger_intercept	se	pval
-0.0169258	0.0125249	0.1793248

Test that the exposure is upstream of the outcome

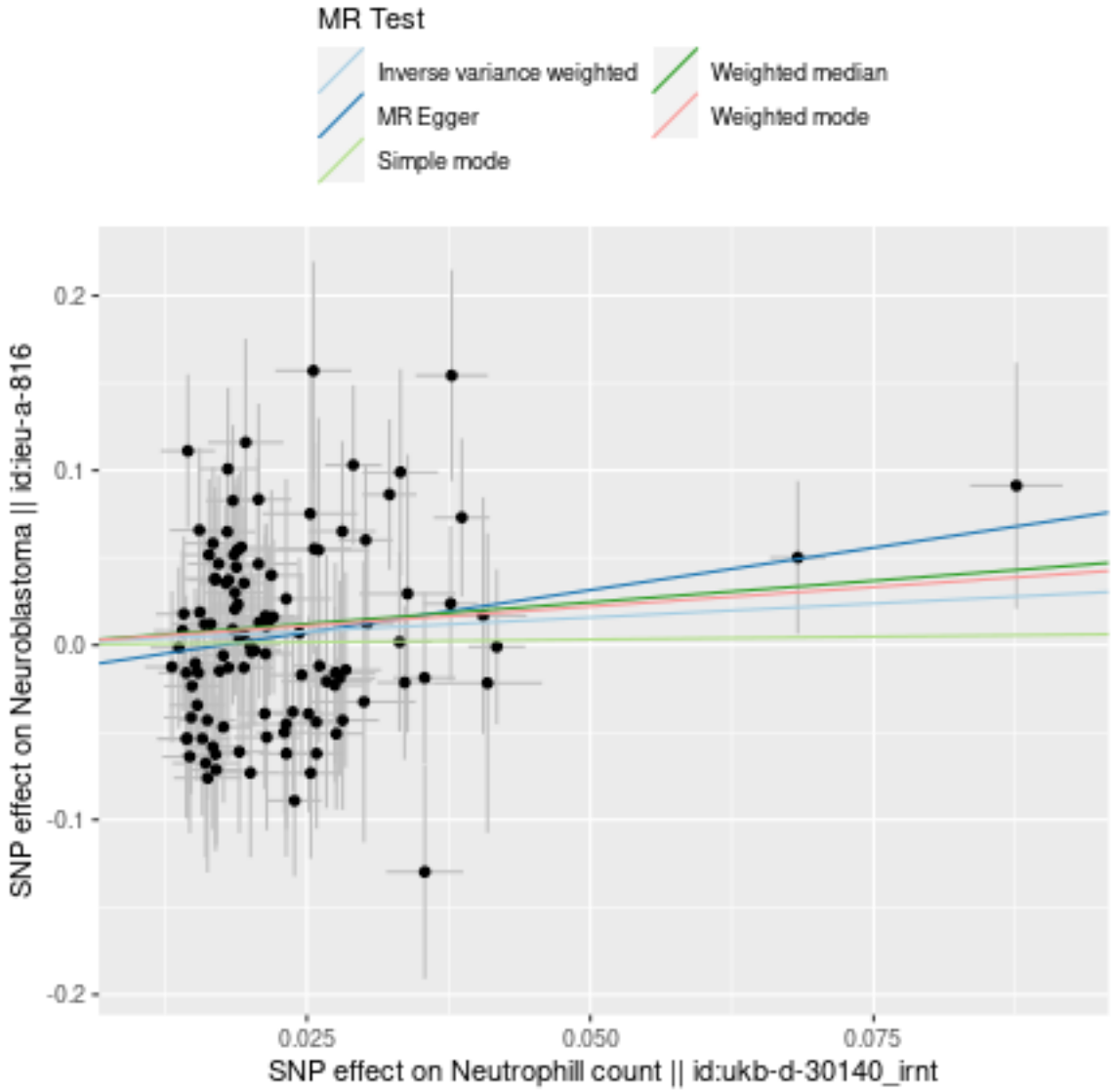
snp_r2.exposure	snp_r2.outcome	correct_causal_direction	steiger_pval
0.0279886	0.0302131	FALSE	0.6413091

Note - R^2 values are approximate

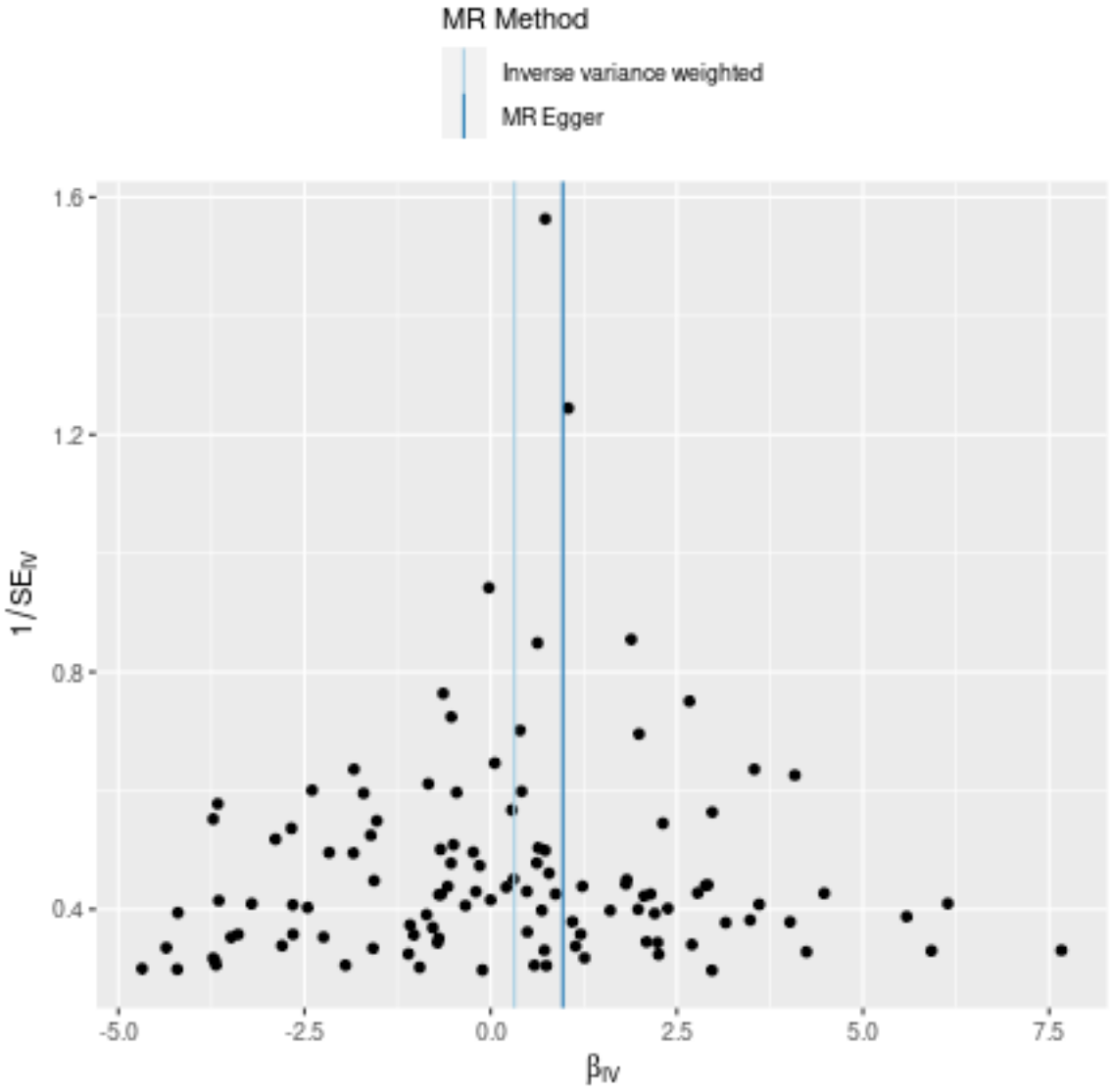
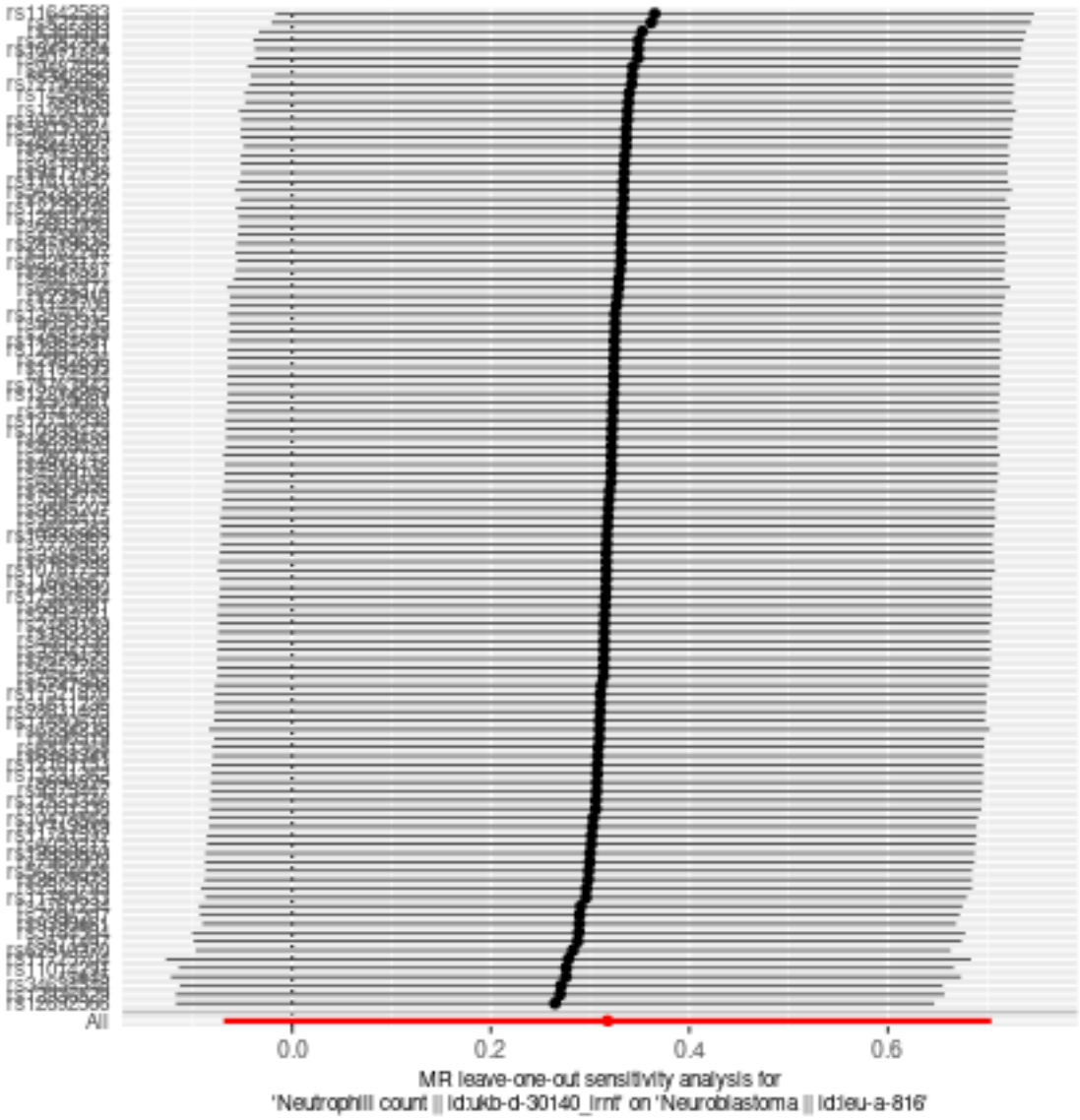
Forest plot of single SNP MR



Comparison of results using different MR methods



Funnel plot


MR Method
Inverse variance weighted
MR Egger
1.6
1.2
0.8
0.4
1/SE_IV
-5.0
-2.5
0.0
2.5
5.0
7.5
β_IV

Leave-one-out sensitivity analysis