Two sample MR report

Neutrophill count || id:ukb-d-30140_irnt against Ovarian cancer || id:ieu-a-1120

Date: **15 July, 2020**

Results from two sample MR:

method	nsnp	b	se	pval
MR Egger	267	-0.1446186	0.0991815	0.1459914
Weighted median	267	-0.0512829	0.0616542	0.4055316
Inverse variance weighted	267	-0.0573813	0.0461858	0.2140890
Simple mode	267	-0.1312874	0.1404408	0.3507269
Weighted mode	267	-0.0799260	0.0836672	0.3403013

Heterogeneity tests

method	Q	Q_df	Q_pval
MR Egger	413.6224	265	0
Inverse variance weighted	415.1643	266	0

Test for directional horizontal pleiotropy

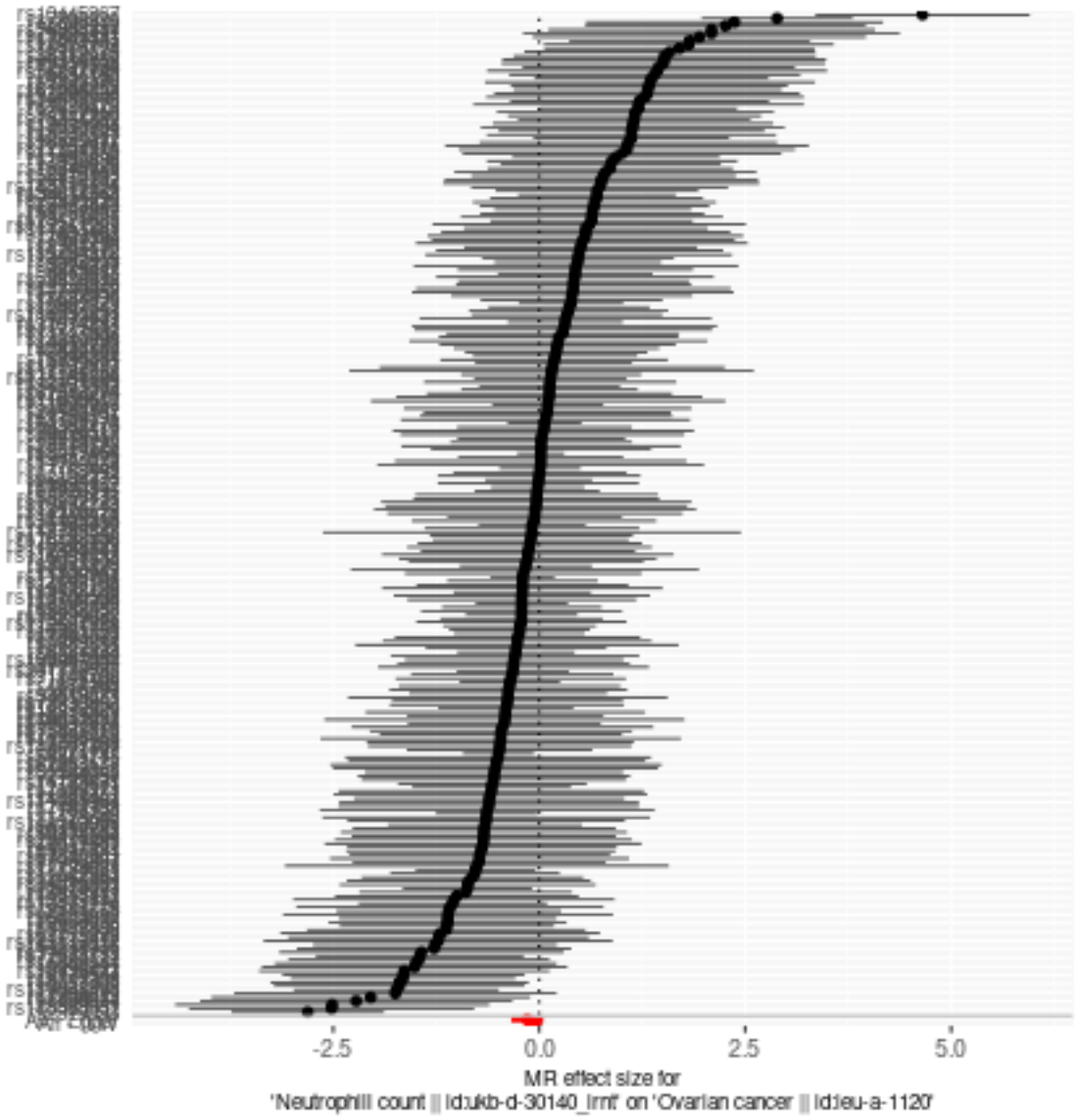
egger_intercept	se	pval
0.0026111	0.0026271	0.3211686

Test that the exposure is upstream of the outcome

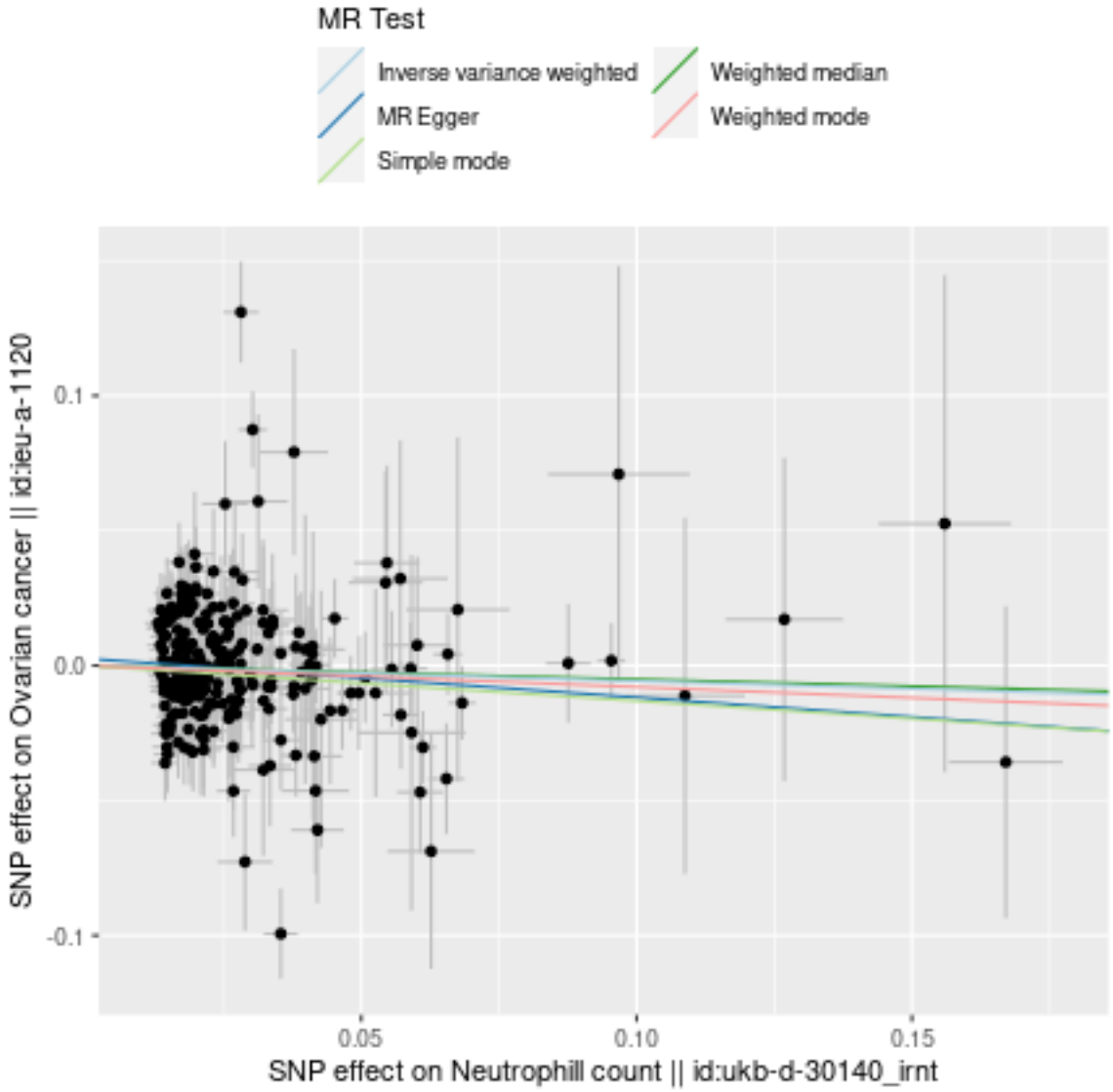
snp_r2.exposure	snp_r2.outcome	correct_causal_direction	steiger_pval
0.0676079	0.0063708	TRUE	0

Note - R^2 values are approximate

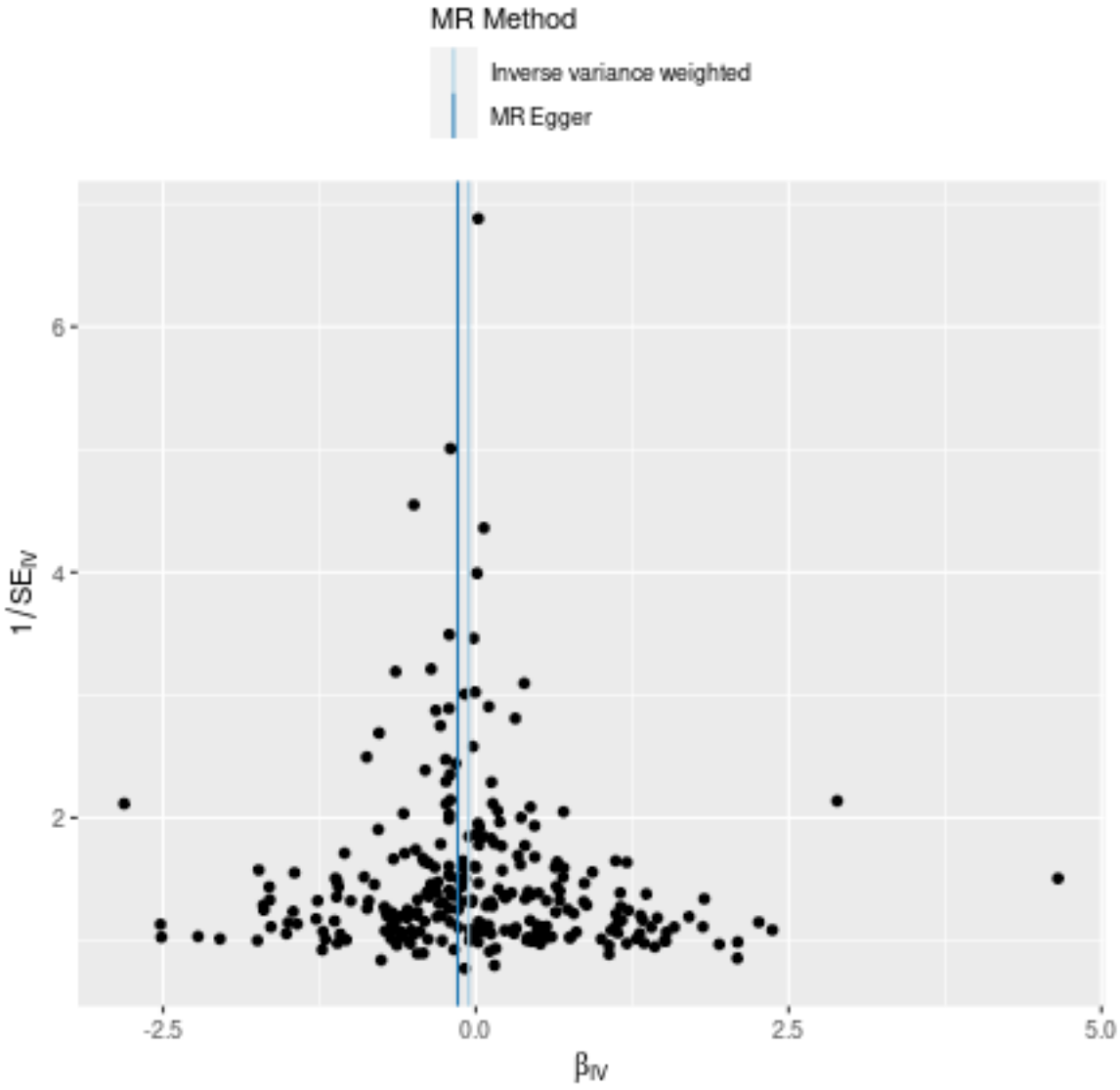
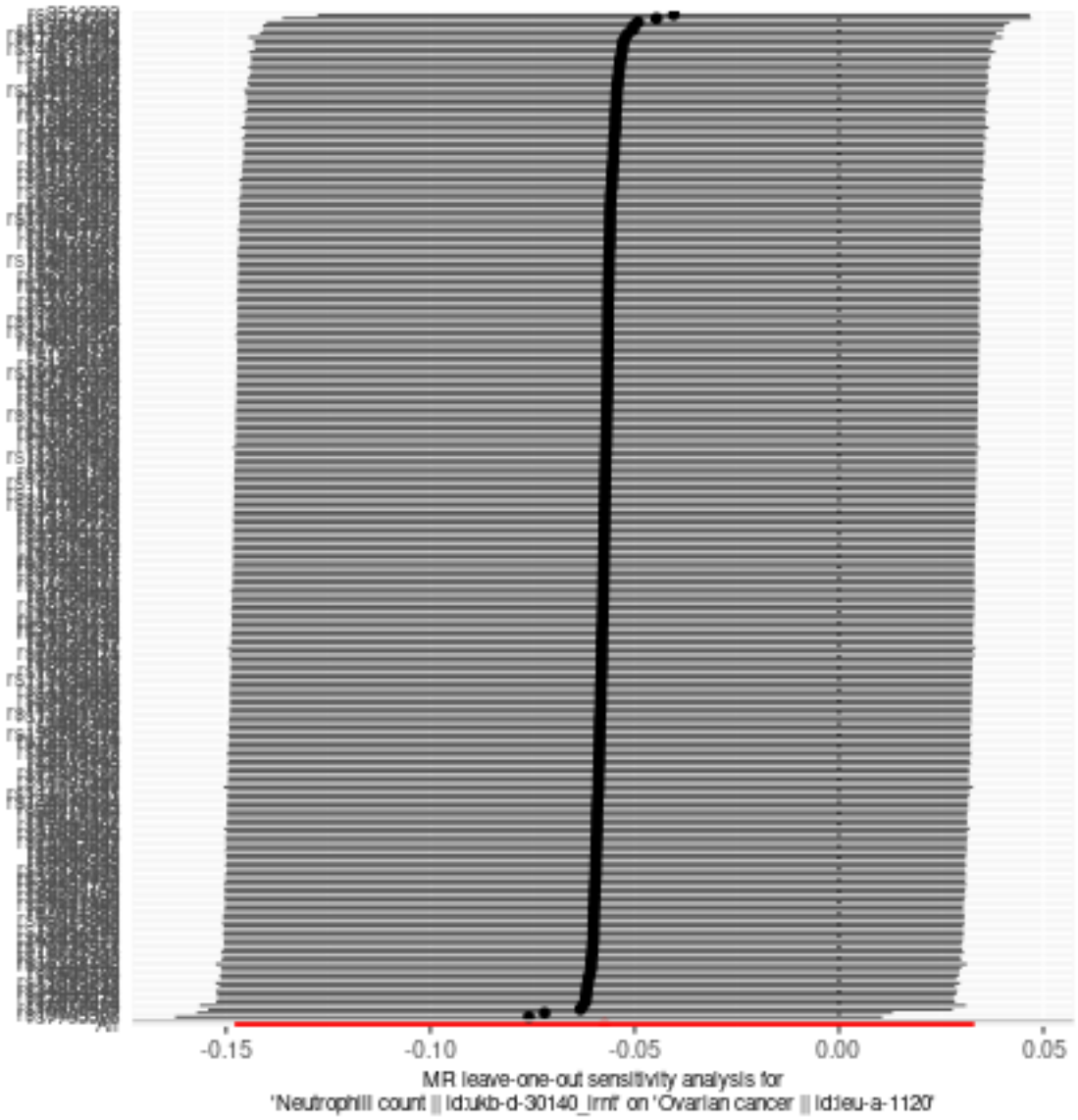
Forest plot of single SNP MR



Comparison of results using different MR methods



Funnel plot


MR Method
Inverse variance weighted
MR Egger
6
4
2
1/SE_IV
-2.5
0.0
2.5
5.0
β_IV

Leave-one-out sensitivity analysis