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Starting this task with conclusion about best model made at the end of previous one:

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Building models and getting effects from them

Models without spatial autoregression:

SLX

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According to p-values all types of effect are significant, Indirect is the weakest one.

SDEM

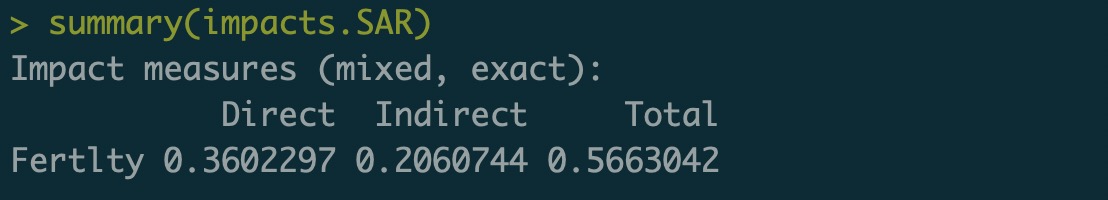
A close up of a sign

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Here, we can see that indirect effect is not significant on the 95% confidence interval, its coefficient proves it (0.1822245). Other effects are significant.

Models with spatial autoregression:

SAR



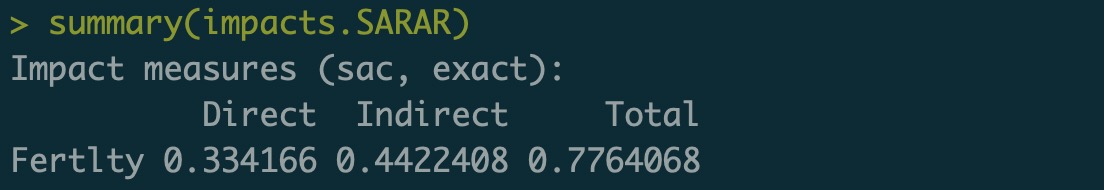
In this model Direct effect is stronger than Indirect one.

Confidence intervals:

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SARAR



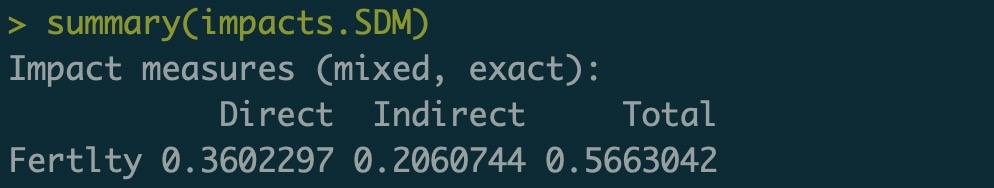
Here it’s vice versa. Indirect effect stronger than Direct one.

Confidence intervals:

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Description automatically generated

SDM



The same situation as in SAR model. Direct stronger than Indirect one.

Confidence intervals:

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In all models except SDEM and SDM Indirect effect is significant so we can conclude that on average it is significant.

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