

Interaction Information Sign Conventions Reference

Information Type	McGill Convention $II = I(X;Y) - I(X;Y Z)$	Williams & Beer Convention $II = I(X;Y Z) - I(X;Y)$
Redundancy (X and Y share info about Z)	Positive (+)	Negative (-)
Synergy (X and Y together give more info about Z)	Negative (-)	Positive (+)
Interpretation	Positive → Redundancy Negative → Synergy	Negative → Redundancy Positive → Synergy