A interaction effect scenarios

additive

ES = EC + CS − CC

antagonistic

synergetic
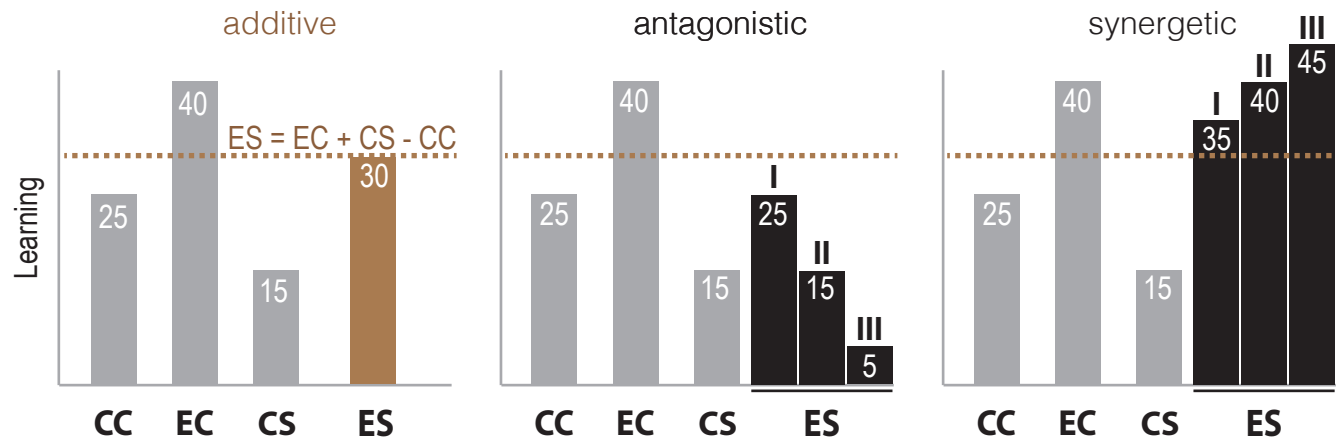
B fully-crossed experiment
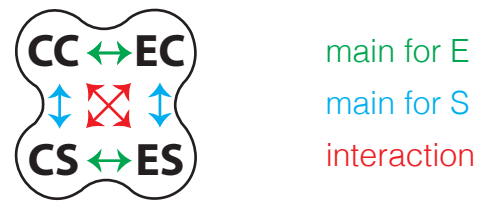

	Control	Enrichment
Control	CC	EC
Stress	CS	ES
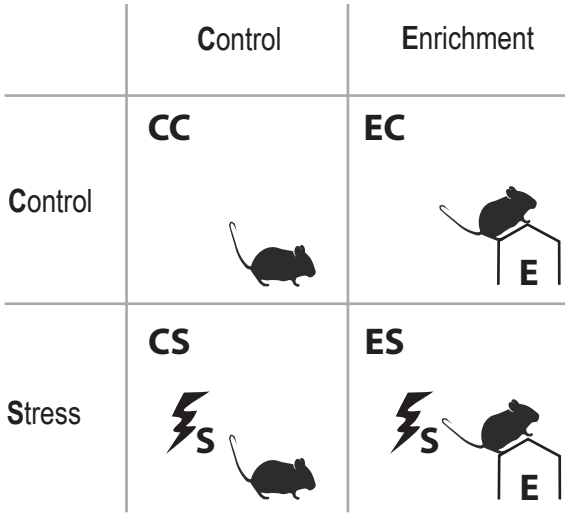
C effect sizes

1) focal comparisons – 3 effect sizes:

CC ↔ EC

CS ↔ ES

main for E
main for S
interaction

2) pairwise comparisons – 5 effect sizes:

CC ↔ EC

CS ↔ ES

EC vs CC
CS vs CC
ES vs CC
ES vs CS
ES vs EC