

Several bilinear and non-linear theories are evaluated using individual data from 144 subjects. The non-linear models are best for 72% of the subjects. The non-rational property of duplex decomposition linking joint receipts and mixed gambles of gains and losses is more adequate than the rational link of general segregation for 77% of the subjects. The correlations are very high and linear, even in the worst fitting case. The correlations are very high and linear, even in the worst fitting case. The weighting functions are mostly inverse S-shaped and for 84% of the subjects are fit best by the class of functions proposed by D. Prelec. These fits were generally excellent, with a minimum correlation of 0.81 a maximum of 0.99 and average of 0.97