1   Appendix A: Statistical Density Calculations

Statistical density is the method that Sloutsky and colleagues use to define categories (?, ?). Dense categories have multiple intercorrelated features, while sparse categories have few relevant features. Statistical density can vary between 0 and 1. Higher values (closer to 1) are dense, while lower values (closer to 0) are sparse. We calculate statistical density with the following formula.

$D = 1 - \frac{H_{within}}{H_{between}}$