

List of Symbols

Symbol	Description
R	Recipe
S	Size of the recipe
N_R	Number of recipes
N_I	Number of Ingredients
F_i	Flavor profile of ingredient i
N_S^R	Flavor sharing in a recipe
$\overline{N_S}$	Flavor sharing of the cuisine
ΔN_S	Average flavor sharing index
$f(N)$	Fraction of ingredient pairs frequency
P	Probability
χ^i	Magnitude Of Average Food Pairing
\widehat{D}_s	Number of disease categories with which spice s has therapeutic association with
\widehat{d}_s^i	Number of disease subcategories in the i th disease category with which the spice s is associated
d^i	Total number of disease sub-categories in the i th disease category
$\widehat{\alpha}_s^k$	Number of disease subcategories in the k th disease sub-category with which the spice s is associated.
Ω_s^+	Benevolence Spectrum Score
$\Delta \Omega_s$	Relative Benevolence Score
$\Delta \Omega_s^i$	Therapeutic tradeoff score
Ω_s^j	Category-specific (benevolence and adverse) spectrum score
σ	Standard deviation