**Five indexes for segregation**

We need both county level data and census tract level data to calculate these indexes.

***Evenness***

* Index of dissimilarity

***Exposure***

Also called Interaction or Exposure Index.

* Isolation Index

***Concentration***

* Delta

***Centralization***

* Absolute centralization index

***Clustering***

* Spatial Proximity Index

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| **Term** | **Definition** |
| N | Number of census tracts, ranked smallest to largest by land area |
|  | Number of the minority population of census tract *i* |
|  | Number of total minority population |
|  | Number of the reference population of census tract *i* |
|  | Number of total reference population |
|  | Number of total population in tract *i*, if only two groups, *ti = mi + ri* |
| T | Number of total population |
|  | The land area of census tract *i* |
| A | The total land area |

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| **Dimension** | **Alternative index** |
| Evenness | Dissimilarity index; Gini coefficient; Entropy index (information index); Atkinson index |
| Exposure | Interaction index; Isolation index; Correlation ratio (eta-squared) |
| Concentration | Delta; Absolute concentration; Relative concentration |
| Centralization | Relative centralization; Absolute centralization |
| Clustering | Absolute clustering; Spatial proximity index; Relative clustering; Distance-decay interaction index; |