Quality of Life → EASI Total crime index

**Definition:**

- “This is a model of the combined likelihoods of the included crime categories to be present in a given area.”
- Consists of 8 felony crime variables: murder and non-negligent manslaughter, forcible rape, robbery, aggravated assault, burglary, larceny, motor vehicle theft, and arson.
- Thought to indicate how much crime is measured in particular areas
- Crime potential based on demographic factors using a predictive model with equal types of geography (compare cities to one another, zip codes to one another, etc.)

**NOTE:**

- Data presented by EASI is **NOT** the number of actual reported crimes. These are estimated rates based on models from the FBI with crimes defined by the New York State Penal Code
- In the index, crimes are **weighted percentages** against others. Violent crimes such as murder and forcible rape have more “weight” in the EASI model
- 100 represents the expected national average. The U.S. index is currently not 100 in SimplyMap (current US index is 92) because this number is a **weighted average of all block groups in the country**. This means that there are fewer areas in the US that expected that have crime potential.
- Think about these number **relative** to one another to explain crime potential
  - Numbers lower that the 100 should be interpreted as “the likelihood of a crime being committed in this area is less likely than the expected average.”
  - Numbers higher than 100 can be interpreted as “the likelihood of a crime being committed in this area is more likely than the expected average.”

Quality of Life → EASI individual crime variables (Murder Index, Aggravated Assault index, etc.)

- 100 represents the national average for each variable
  - Numbers falling lower that the 100 should be interpreted as “the likelihood of [Murder, aggravated assault, etc.] being committed in this area is less than the expected average.”
  - Numbers falling higher than 100 can be interpreted as “the likelihood of [Murder, aggravated assault, etc.] being committed in this area is more than the expected average.”
- EASI collects information on reported crimes from the FBI and uses their statistical model to show the likelihood of a crime occurring in a particular area. “The data presented by EASI are based on a demographic models of crime, they do not represent actual reported crimes”:
  - [http://easidemographics.com/trswebhelp/trswebhelp.htm#html/easi_total_crime_index.htm](http://easidemographics.com/trswebhelp/trswebhelp.htm#html/easi_total_crime_index.htm)

Uniform Crime Report
• These variables provide actual monthly counts of reported crimes by FBI and related programs
• Smallest unit available in SimplyMap is counties. This does not allow you to compare/analyze zip codes or census tracks in the city of Los Angeles.
• You can find this data on the Uniform Crime Reporting website and drill down to agency level (such as Los Angeles Police Department), but not by location: http://www.ucrdatatool.gov/Search/Crime/Crime.cfm

Creation of EASI Index:
https://www.easidemographics.com/trswebhelp/trswebhelp.htm#html/easi_total_crime_index.htm