Mexican Obesity

# Data Exploration, 250pts

Obesity is a worldwide epidemic phenomenon. Each year almost 2.8 million of people die around the world as consequence of obesity and overweight. Despite this situation, in Mexico there are few spatial studies that examining the obesity and the relationship with socioeconomic indicators.

OBJECTIVE:

Give an estimate of people with obesity in each municipality of Mexico by sex and age-group (11-19 years old). Use the reference values of body index mass (IMC) to determine if a person has obesity.

DATA:

You will work with the National Healthy Survey (ENSANUT)2010. The data set have 206 features related to State, Municipality and anthropometric measures for each person who participated in the survey.

Methods:

Fill the *MunicipalityFeatures* file to link the number of observed cases of obesity by municipality and the Human development index (IDH) and Social backwardness index (IRS) of that municipality.

**EXTRA!**

There is a lot of municipalities with lost observations!

Can you give and estimation of the lost values??

DELIVERABLES:

* Summary (must): Explain your approach to solve the problem to any hackathon supporter of the Data Science challenge.
* Give the top ten of the unhealthiest municipalities.
* Can you affirm that there is a relationship between the features (IDH/IRS) and the number of observed cases of obesity?