



Note: Primary Key - underlined, Foreign Key - Bold

Updates:

- Removed gdp as an attribute of Country
 - Was not relevant to our problem and analysis
- Removed emission_id attribute of Emissions
 - The emission can be uniquely identified by substance, there is no need for an arbitrary id for each emission.
- Consolidated attributes for crop production and meat production to distinguish amount produced per country, year, and food.
 - Using one attribute is more efficient for analysis
- Added total participation constraint on Crop and Meat production
 - The data in our FoodProduction must be either a CropProduction or MeatProduction due to the nature of the datasets we used.
 - The data does not include other foods that do not fit into these two subclasses
- Added disjoint overlap constraint on subclasses of FoodProduction
 - FoodProduction cannot be both a CropProduction and MeatProduction so these subclasses are disjoint.