**Part A - Extra Credit**

**Methods**

A sample of 15 randomly selected subjects are chosen for a pilot study from a subset of the original data set. The subset includes subjects that had high folic acid intake (> 800 𝜇g) during the first trimester, mothers with babies born 2004 and later, and mother that were not obese prior to pregnancy (BMI<30). Using the method of simple random sampling with a seeding variable of 1234 for repeatability, 15 subjects are drawn and stored into the data file named “sample”. Variables subject ID, folic acid intake during the first trimester, pre-pregnant BMI, child’s year of birth, and child’s sex are presented in the output table below.

**Code**

**data** pilot;

set charge;

if folicacid\_t1 > **800**;

if yob >= **2004**;

if prepregbmi\_cat ~= **4**;

**run**;

**proc** **surveyselect** data = pilot out=sample method=srs sampsize=**15** SEED=**1234**;

**run**;

**proc** **print** data = sample;

**run**;

**proc** **means** data = sample;

**run**;

**proc** **print** data = sample;

var subject\_id folicacid\_t1 prepregbmi\_cat yob child\_male;

**run**;

**Output**

**Table

Description automatically generated**