# **BQA WEEK 1**

## **EXERCISE 1:**

## **STATA FOR BQA**

## **ANSWERS**

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### 1.4 Labels in Stata

In FiAS, you created a variable called **dom2**, which was a recode of the variable **domicil** (the area in which the respondent lives), that included the following categories:

1. A big city, including suburbs or outskirts of a big city
2. A town or a small city
3. A country village, or a farm or home in the countryside
4. Missing values

Here is the recode for this variable.

**recode domicil (1 2=1) (3=2) (4 5=3) (7/9 = .), generate(dom2)**

The variable currently has no variable or value labels. Give the variable a variable label and some useful value labels, writing your code in your code below and then copying it across to your do-file to check that it runs without error.

**/\* label the variable \*/**

**label variable dom2 "Domicile, respondent's description"**

**/\* define the label before assinging it to a variable\*/**

**label define dom2 1 "A big city, including suburbs or outskirts of a big city" 2 "A town or a small city" 3 "A country village, or a farm or home in the countryside"**

**/\* We can then assign that label to the variable\*/**

**label value dom2 dom2**

### 1.7 Combining variables to create a new variable

Generate a variable called **happyparent** which identifies people who:

* live in a household with children (variable **chldhm**)
* whose self-reported happiness is 9 or 10 (variable **happy**).

Remember to code missing values appropriately, and to check via the appropriate tabulations that your commands have done what you thought they would. Paste the code into a do-file and check that it runs without error.

There should be 4.875 “happy parents” in your data set and 402 individuals for whom the variable is missing.

**\*Check variables\***

**tab happy**

**label list happy**

**tab chldhm**

**label list chldhm**

**\*Remove missing values\***

**gen happy2 = happy**

**replace happy2 =. if happy2 >=77**

**gen chldhm2 = chldhm**

**replace chldhm2 =. if chldhm==9**

**\*Compute happy parent\***

**capture drop happyparent**

**gen happyparent = .**

**\*\*Option one**

**replace happyparent =0 if happy2 <=8**

**replace happyparent =0 if chldhm2==2**

**replace happyparent =1 if (happy2==9 | happy==10) & chldhm2==1**

**\*Check happyparent\***

**tab happyparent chldhm2, m**

**tab happyparent happy2, m**