Hanson Wu

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Assignment 1

/\* Question 1a\*/

**DATA** bodymass;

Weight = **150**;

Height = **68**;

BMI = (Weight / Height \*\* **2**) \* **703**;

**RUN**;

/\*Question 1b: the calculated BMI is 22.804930796\*/

/\*Question 1c: The type for the variables weight, height, and BMI is number and the length for all the variables is 8\*/

**proc** **datasets**;

contents data=bodymass;

**run**;

/\*Question 1d\*/

**DATA** bodymass;

Weight = **160**;

Height = **72**;

BMI = (Weight / Height \*\* **2**) \* **703**;

**proc** **print** data=bodymass;

**RUN**;

/\*if multiple lines are desired\*/

**DATA** bodymass;

input Weight height ;

BMI = (Weight / Height \*\* **2**) \* **703**;

datalines;

150 89

178 76

190 53

;

**proc** **print** data=bodymass;

**RUN**;

/\*Question 2a\*/

**DATA** info;

City = 'Sao Paulo';

Country = 'Brazil'

CountryCode = **55**;

CityCode = **11**;

**RUN**;

/\*There are 3 notes, 1 warning, and two errors produced by this code\*/

/\*Question 2b: I added a semicolon after 'Brazil'\*/

**DATA** info;

City = 'Sao Paulo';

Country = 'Brazil';

CountryCode = **55**;

CityCode = **11**;

**RUN**;

/\*Question 3a: There are 3 variables and 10 observations\*/

/\*Question 3b the log confirms that there are 3 variables and 10 observations\*/

**data** CancerRates;

infile "C:\Users\Hanson\Documents\Hanson\College\UTD Spring 2018\Predicive Analaysis using SAS\Datasets\CancerRates.dat";

input Obs Type $ Rate;

**run**;

/\*Question 3c\*/

**data** CancerRates;

infile "C:\Users\Hanson\Documents\Hanson\College\UTD Spring 2018\Predicive Analaysis using SAS\Datasets\CancerRates.dat";

input Obs Type $ Rate;

**proc** **print** data=CancerRates;

title1 'Cancer Rates';

**run**;

/\*Question 3d\*/

**data** CancerRates;

infile "C:\Users\Hanson\Desktop\CancerRates.dat";

input Obs Type $ Rate;

**proc** **print** data=CancerRates;

title1 'Cancer Rates';

**run**;

/\*Question 4a: The variables pack size, year issued, and year retired should be read as numeric

and the variables crayon number color, hexadecimal code, RGB triplet, and name should be read as character.\*/

/\*Question 4b\*/

libname Homework 'C:/Homework';

**data** Homework.Crayons;

infile "C:\Users\Hanson\Documents\Hanson\College\UTD Spring 2018\Predicive Analaysis using SAS\Datasets\Crayons.dat" MISSOVER;

input CrayonNumber **1**-**3** ColorName $ **4**-**26** HexadecimalCode $ **27**-**40** RGBTriplet $ **41**-**55** PackSize YearIssued YearRetired;

**run**;

/\*Question 4c\*/

**data** Homework.Crayons;

infile "C:\Users\Hanson\Documents\Hanson\College\UTD Spring 2018\Predicive Analaysis using SAS\Datasets\Crayons.dat" MISSOVER;

input CrayonNumber **1**-**3** ColorName $ **4**-**26** HexadecimalCode $ **27**-**40** RGBTriplet $ **41**-**55** PackSize YearIssued YearRetired;

**proc** **print** data=Homework.Crayons;

**run**;