ASSIGNMENT

ASS03

DATA PREPARATION – STA6714

DONE BY:

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**ASSIGNMENT –ASS03**

**DATA PREPARATION**

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***Problem 1***

*Write a simple program to create table that is similar of “Table 1” of the following categorical variables:*

1. *AppVersion*
2. *Census\_ActivationChannel*
3. *Census\_ChassisTypeName*
4. *Census\_DeviceFamily*
5. *Census\_FirmwareManufacturerIdentifier*

**SOLUTION:**

PROC Sql;

CREATE TABLE CARDINALITY\_TABLE AS

Select Variable\_Name, Variable\_Type, Cardinality

FROM work.import

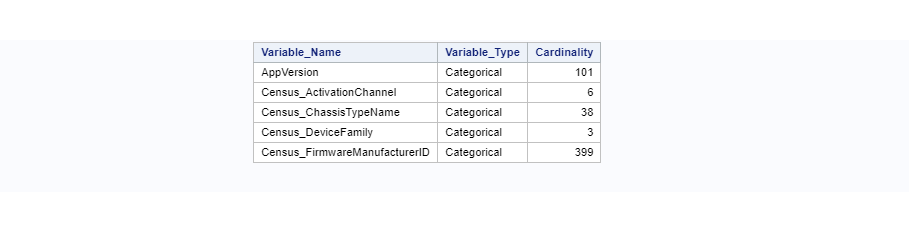
Where Variable\_Name IN ('AppVersion', 'Census\_ActivationChannel', 'Census\_ChassisTypeName', 'Census\_DeviceFamily','Census\_FirmwareManufacturerID');

select \*

From CARDINALITY\_TABLE;

Proc Printto;

quit;



***Question 2***

*Produce a detail cardinality table of the following five variables:*

1. *AppVersion*
2. *Census\_ActivationChannel*
3. *Census\_ChassisTypeName*
4. *Census\_DeviceFamily*
5. *Census\_FirmwareManufacturerIdentifier*

**SOLUTION:**

proc freq data= WORK.IMPORT noprint;

tables AppVersion/out=FreqCount nocum;

Title 'Distribution of AppVersion Variables'

run;

proc print data=FreqCount noobs;

sum count percent;

run;

proc freq data= WORK.IMPORT noprint;

tables Census\_ActivationChannel/out=FreqCount nocum;

Title 'Distribution of Census\_ActivationChannel Variables'

run;

proc print data=FreqCount noobs;

sum count percent;

run;

proc freq data= WORK.IMPORT noprint;

tables Census\_ChassisTypeName/out=FreqCount nocum;

Title 'Distribution of Census\_ChassisTypeName Variables'

run;

proc print data=FreqCount noobs;

sum count percent;

run;

proc freq data= WORK.IMPORT noprint;

tables Census\_DeviceFamily/out=FreqCount nocum;

Title 'Distribution of Census\_DeviceFamily Variables'

run;

proc print data=FreqCount noobs;

sum count percent;

run;

proc freq data= WORK.IMPORT noprint;

tables Census\_FirmwareManufacturerID/out=FreqCount nocum;

Title 'Distribution of Census\_FirmwareManufacturerID Variables'

run;

proc print data=FreqCount noobs;

sum count percent;

run;

