**Homework-07**

**STAT-6250 SAS Programming**

**Chinki Rai**

**09th November 2017**

**/\*Chapter-16\*/**

**Problem-01**

**SAS Code**

/\* Problem01\*/

\*Program name: Homework 06 is stored in C:\Computational Statistics\4th Quater\SAS\Homework.

Programmer: Chinki Rai

Date Written: 09 Nov 2017;

libname learn 'C:\Users\chink\Google Drive\Computational Statistics\4th Quater\SAS\SAS\_DataSets';

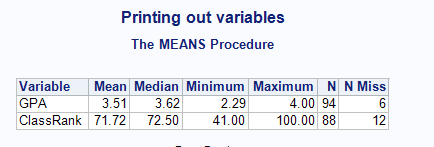
title 'Printing out variables ';

**proc** **means** data=learn.college mean median min max n nmiss maxdec=**2**;

var GPA ClassRank;

**run**;

**Output**

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**Problem-02**

**SAS Code**

/\* Problem02\*/

\*Program name: Homework 06 is stored in C:\Computational Statistics\4th Quater\SAS\Homework.

Programmer: Chinki Rai

Date Written: 09 Nov 2017;

libname learn 'C:\Users\chink\Google Drive\Computational Statistics\4th Quater\SAS\SAS\_DataSets';

title 'Printing out variables ';

**proc** **format**;

value $yesno 'Y','1' = 'Yes'

'N','0' = 'No'

' ' = 'Not Given';

value $size 'S' = 'Small'

'M' = 'Medium'

'L' = 'Large'

' ' = 'Missing';

value $gender 'F' = 'Female'

'M' = 'Male'

' ' = 'Not Given';

**run**;

/\*summary statistics of the dataset by by statement\*/

**proc** **sort** data=learn.college;

by Gender SchoolSize;

**run**;

**proc** **means** data=learn.college mean median min max n nmiss maxdec=**2**;

by gender SchoolSize;

format Gender SchoolSize;

var GPA ClassRank;

**run**;

/\*summary statistics of the dataset by class statement\*/

**proc** **means** data=learn.college mean median min max n nmiss maxdec=**2**;

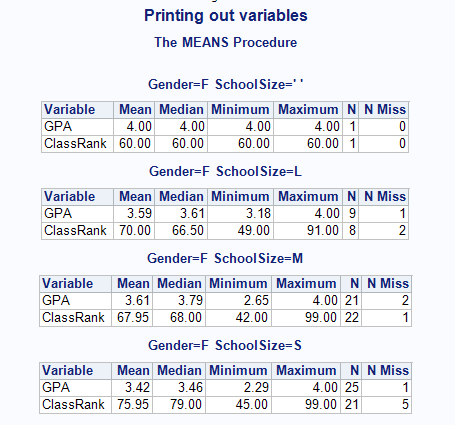
class gender SchoolSize;

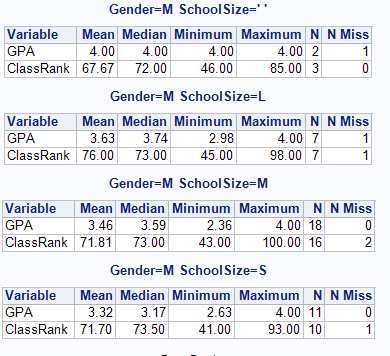
format Gender SchoolSize;

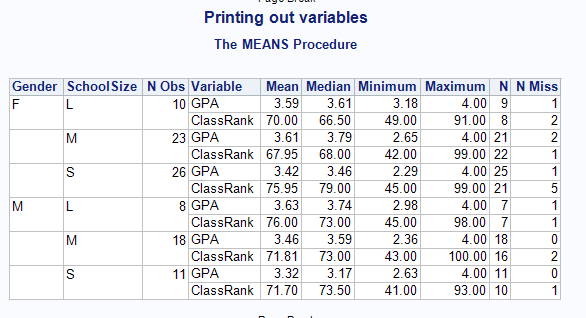
var GPA ClassRank;

**run**;

**Output**

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**Problem-03**

**SAS Code**

/\*\*\*Problem-03\*\*\*/

**proc** **sort** data=learn.college;

by SchoolSize;

**run**;

title 'Statistics of data using by statement';

**proc** **means** data=learn.college n mean median min max maxdec=**2**;

by schoolsize ;

var GPA ClassRank;

**run**;

title 'Statistics of data using class statement';

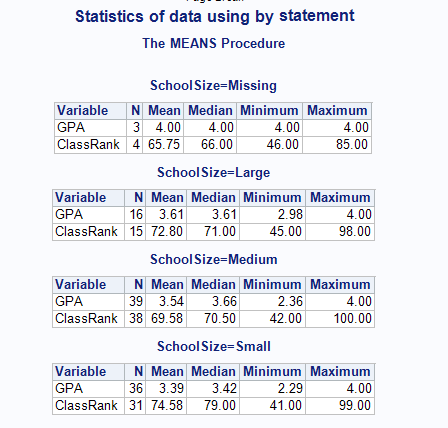
**proc** **means** data=learn.college n mean median min max maxdec=**2**;

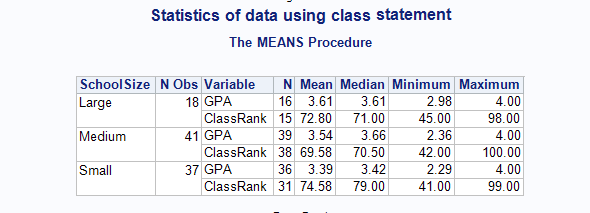
class schoolsize ;

var GPA ClassRank;

**run**;

**Output**

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**/\*Chapter-17\*/**

**Problem-05**

**SAS Code**

\*Program name: Homework 06 is stored in C:\Computational Statistics\4th Quater\SAS\Homework.

Programmer: Chinki Rai

Date Written: 09 Nov 2017;

libname learn 'C:\Users\chink\Google Drive\Computational Statistics\4th Quater\SAS\SAS\_DataSets';

title 'Printing variables ';

**proc** **format**;

value rank low-**70**='Low to 70'

**71** - High='71 and higher';

**run**;

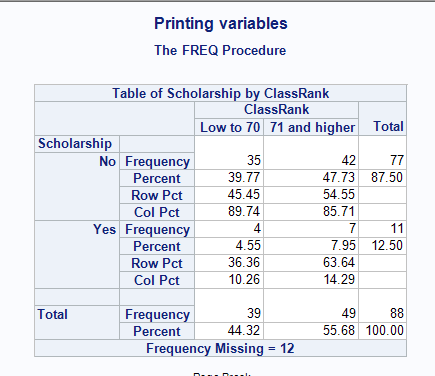
**proc** **freq** data=learn.college;

tables Scholarship\*ClassRank;

format ClassRank rank.;

**run**;

**Output**

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