

PROJET 6

ENSEIGNANT : **WAJDI BEN SAAD**

REALISE PAR :DORSAF SDIRI GROUPE B

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A : DATA STEP

Question 1 :

libname P\_6 'C:\';

Question 2 & Question 3 :

**data** Data\_P6 ;

informat

milk comma8.

white\_bread comma8.

Date DDMMYY6.

region $UPCASE20.

country $UPCASE15.

;

format milk dollar15.2

white\_bread dollar8.2

Internet\_Users comma15.

Phone\_lines\_per\_1000\_Person comma10.2

;

infile 'C:\Data\_P6.csv' dlm=';' firstobs=**2**;

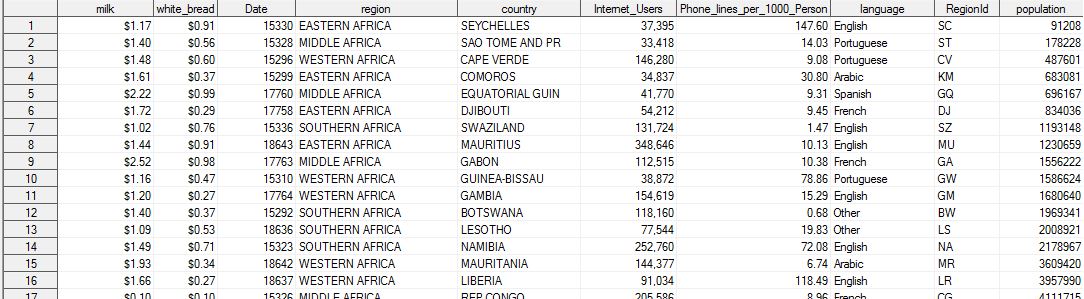
length country$**15** language$**13** region$**20** ;

input country$ language$ region$ RegionId$

population white\_bread milk Internet\_Users Phone\_lines\_per\_1000\_Person

date;

**run**;



Question 4 :

**data** new;

set Data\_P6 ;

region=propcase(region);

country=propcase(country);

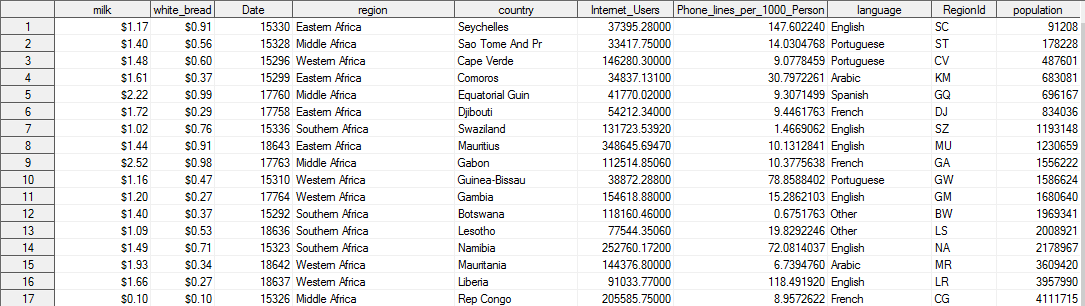
format

Internet\_Users **15.5**

Phone\_lines\_per\_1000\_Person **10.7**

;

**run**;



Question 5 :

**data** nouveauté;

set new;

informat milk comma8.

white\_bread comma8.

;

;**run**;

**proc** **sql**;

create table nouvelle as select\*

from nouveauté;

sum(population) label='population',

sum(Internet\_Users)label='Internet\_Users\_par\_region',

sum(Phone\_lines\_per\_1000\_Person)label='Phone\_lines\_per\_1000\_Person',

mean(white\_bread) label='white\_bread',

mean(milk) label='milk'

group by region;

**quit**;

B :ETUDE DEMOGRAPHIQUE

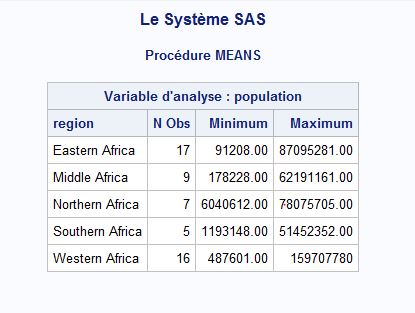
Question 1 :

**proc** **means** data=nouveauté min max ;

class region;

var population;

**run**;

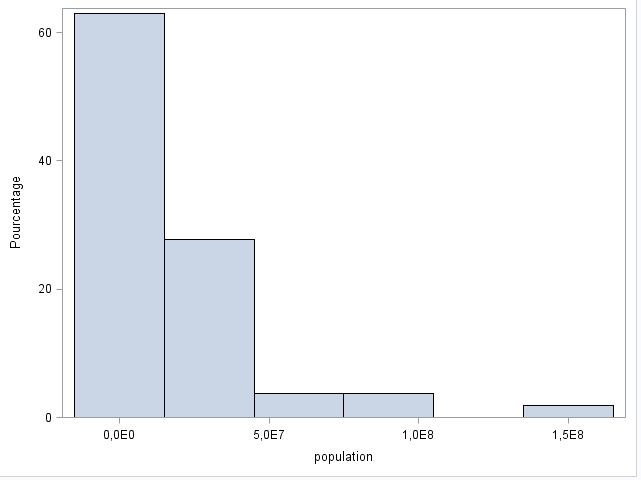


Question 2 :

**proc** **sgplot** data=nouvelle;

histogram population;

**run**;

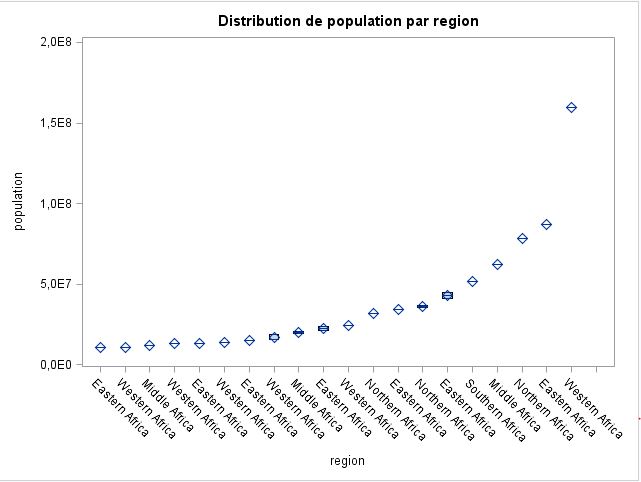


Question 3 :

**proc** **boxplot** data=nouvelle;

plot population\*region;

**run**;



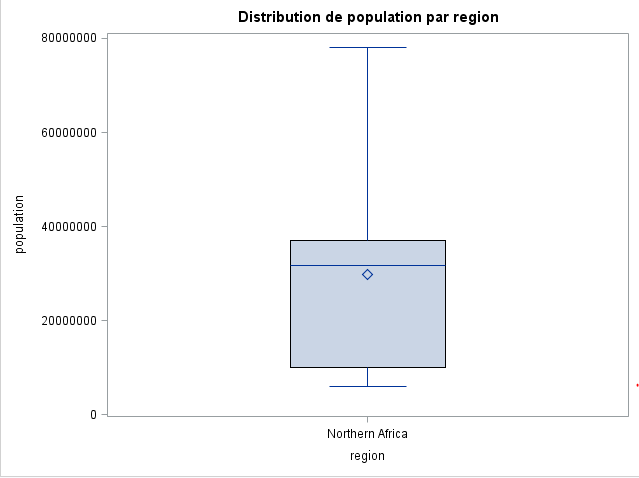
Question 4 :

**proc** **boxplot** data=nouveauté;

plot population\*region ;

where region='Northern Africa';

**run**;

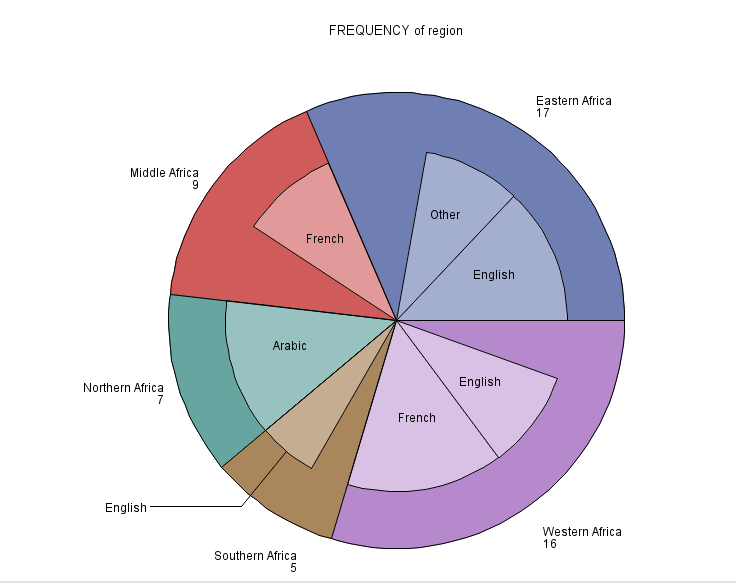


Question 5 :

**proc** **gchart** data=nouveauté;

pie region /detail=language;

**run**;

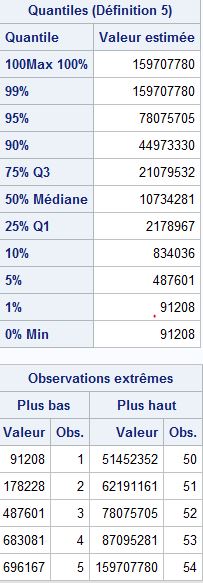


Question 6 :

**proc** **univariate** data=nouveauté;

var population;

**run**;

C :ETUDE ECONOMIQUE

Question 1 :

**proc** **tabulate** data=nouvelle;

class region ;

var white\_bread milk;

table region=' ',white\_bread\*(min max),milk\*(min max);

**run**;

Question 2 :

**proc** **sql**;

create table nouveau as select\*

from nouvelle;

ALTER TABLE nouvelle

ADD revenu\_mensuel\_\_vente\_lait\_pain NUM(**15**);

revenu\_mensuel\_\_vente\_lait\_pain=population\*(**3**\*white\_bread+**12**\*milk);

**quit**;

Question 3 :

**proc** **means** data=nouveau min max;

var revenu\_mensuel\_\_vente\_lait\_pain;

**run**;

Question 4 :

**proc** **plot** data=nouveau;

PLOT revenu\_mensuel\_\_vente\_lait\_pain\*population;

**run**;

**proc** **univariate** data=nouveau;

var Internet\_Users\_par\_region;

**run**;

**proc** **means** data=new max;

var population;

**run**;

Question 5 :

**proc** **univariate** data=nouveau;

var Phone\_lines\_per\_1000\_Person;

**run**;

**proc** **sgplot** data=nouveau;

histogram Internet\_Users\_par\_region;

**run**;

**proc** **sgplot** data=nouveau;

histogram Phone\_lines\_per\_1000\_Person;

**run**;

**proc** **boxplot** data=nouveau;

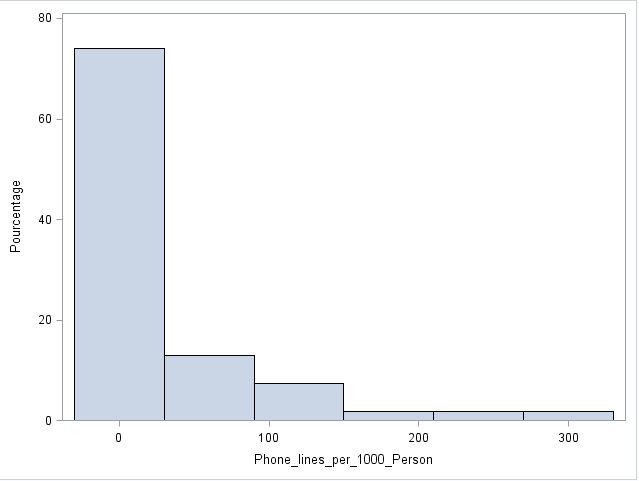
plot Internet\_Users\_par\_region\*region;

**run**;

**proc** **boxplot** data=nouvau;

plot Phone\_lines\_per\_1000\_Person\*region;

**run**;



NB : nouveauté dans le fichier 1 est remplacé pae new\_1 dans le fichier 2.

Merci pour votre attention