```
  IBM SPSS Statistics                    5546

* Encoding: UTF-8.
GET DATA  /TYPE=TXT
  /FILE="C:\Users\admini\Desktop\    \         \            \china.csv"
  /ENCODING='UTF8'
  /DELIMITERS=","
  /QUALIFIER='"'
  /ARRANGEMENT=DELIMITED
  /FIRSTCASE=2
  /DATATYPEMIN PERCENTAGE=95.0
  /VARIABLES=
  V1 AUTO
  AGE AUTO
  AREA_KM2 AUTO
  NAME AUTO
  POP AUTO
  FIPS AUTO
  time AUTO
  SEX AUTO
  abs_pop AUTO
  /MAP.
RESTORE.

>      234
>           PRESERVE   RESTORE              RESTORE
CACHE.
EXECUTE.

Data written to the working file.
9 variables and 8282 cases written.
Variable: V1              Type: Number  Format : F4
Variable: AGE             Type: Number  Format : F3
Variable: AREA_KM2        Type: Number  Format : F7
Variable: NAME            Type: String  Format : A5
Variable: POP             Type: Number  Format : F9
Variable: FIPS            Type: String  Format : A2
Variable: time            Type: Number  Format : F4
Variable: SEX             Type: String  Format : A6       One or more
values were truncated.
Variable: abs_pop         Type: Number  Format : F8
```

```
STRING AGEGROUP (A8).
RECODE AGE (0 thru 4='0-4') (5 thru 9='5-9') (10 thru 14='10-
14') (15 thru 19='14-19') (20 thru
    24='20-24') (25 thru 29='25-29') (30 thru 34='30-34') (35 thru 39='35-
39') (40 thru 44='40-44') (45
    thru 49='45-49') (50 thru 54='50-54') (55 thru 59='55-
59') (60 thru 64='60-64') (65 thru
    69='65-69') (70 thru 74='70-74') (75 thru 79='75-79') (80 thru 84='80-
84') (85 thru 89='85-89') (90
    thru 94='90-94') (95 thru 100='95-
100') (Lowest thru 101='100+') INTO AGEGROUP.
VARIABLE LABELS  AGEGROUP 'Age Group'.
EXECUTE.

USE ALL.
COMPUTE filter_$=(time = 2010).
VARIABLE LABELS filter_$ 'time = 2010 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
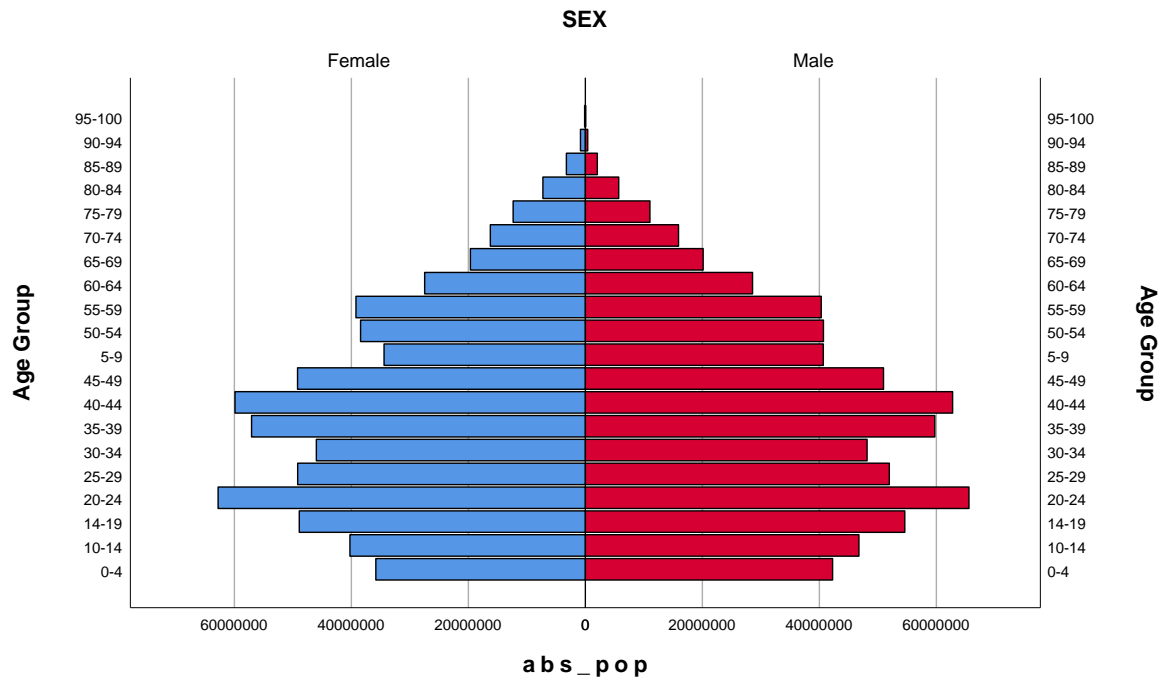
X

24-OCT-2020 16:13:31

C:\Users\admini\Desktop\
\ \
\ c h i n a . c s v

time = 2010 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.20

00:00:00.49

SEX

Female   Male

abs_pop

```
 USE ALL.
COMPUTE filter_$=(time = 2011).
VARIABLE LABELS filter_$ 'time = 2011 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
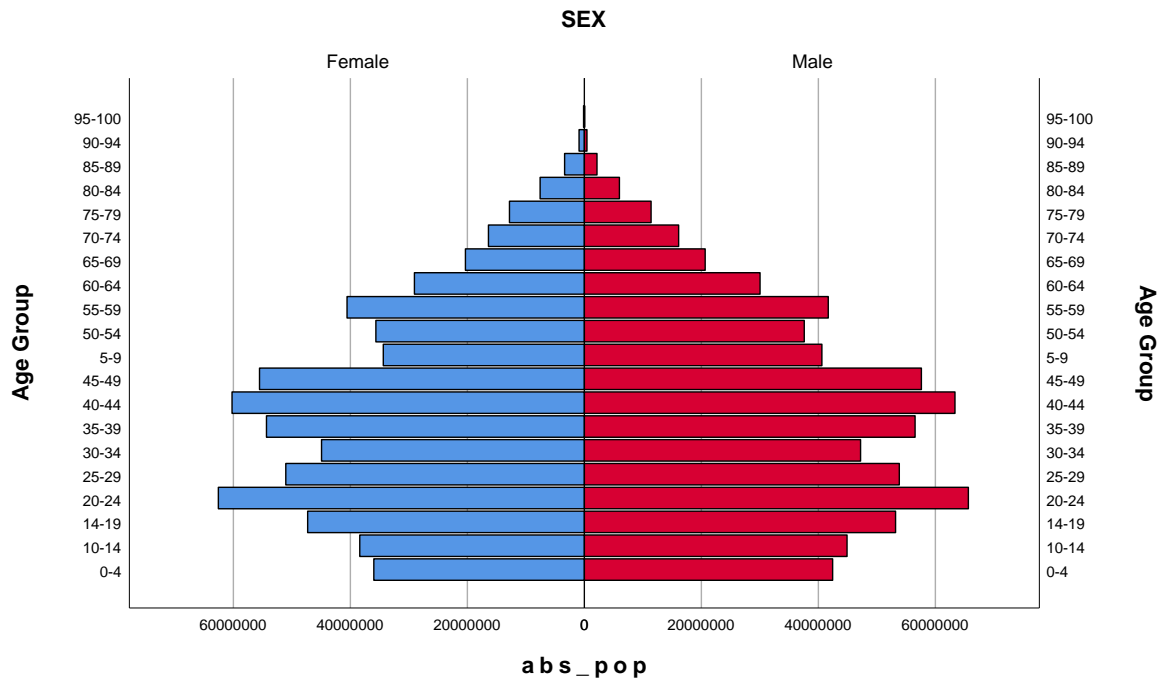
X

24-OCT-2020 16:13:32

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\ c h i n a . c s v

time = 2011 (FILTER)

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< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.17

00:00:00.21

SEX

Female   Male

a b s _ p o p

```
 USE ALL.
COMPUTE filter_$=(time = 2012).
VARIABLE LABELS filter_$ 'time = 2012 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
```

```
XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
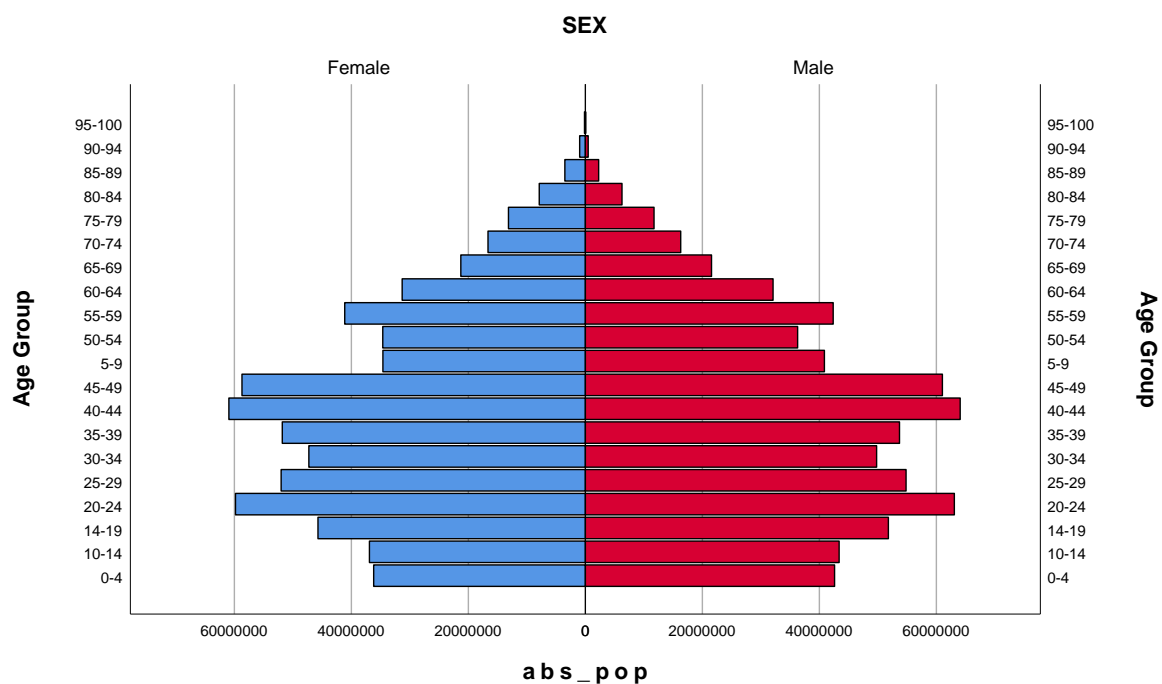
X

24-OCT-2020 16:13:32

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\ \
\ c h i n a . c s v

time = 2012 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.17

00:00:00.24

SEX


```
 USE ALL.
COMPUTE filter_$=(time = 2013).
VARIABLE LABELS filter_$ 'time = 2013 (FILTER)'.
```

```
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```

X

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\ c h i n a . c s v

time = 2013 (FILTER)

< >

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202
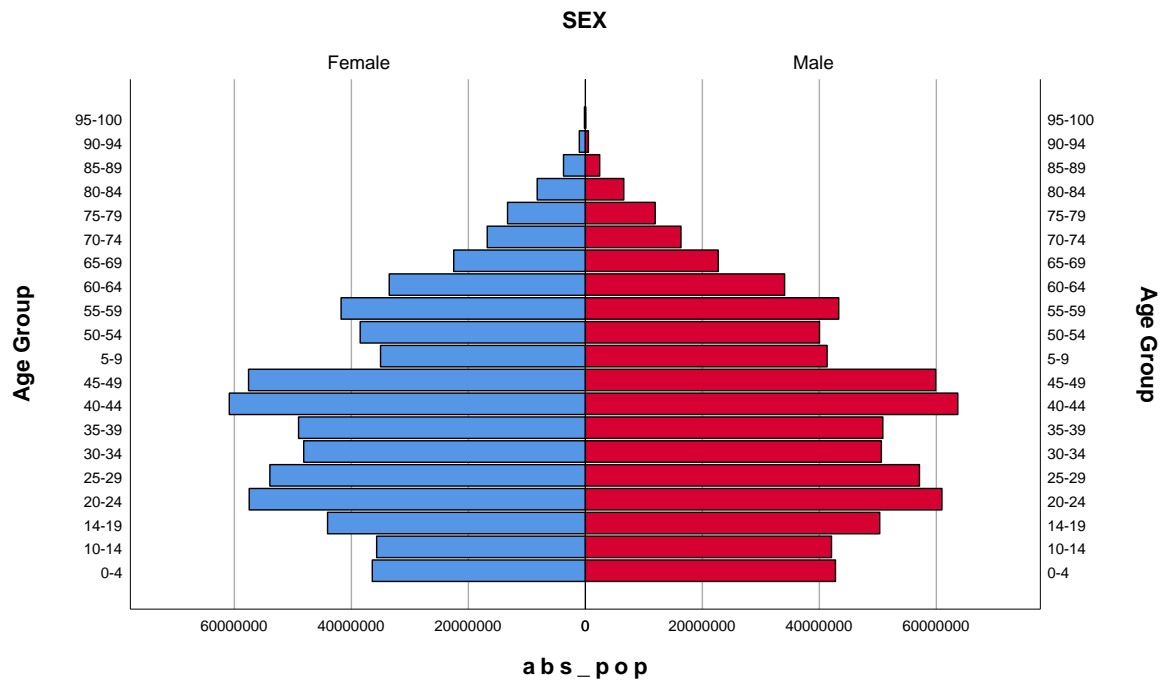
XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.22

00:00:00.34

```
 USE ALL.
COMPUTE filter_$=(time = 2014).
VARIABLE LABELS filter_$ 'time = 2014 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
   /COORDINATE SPLIT=YES.
```
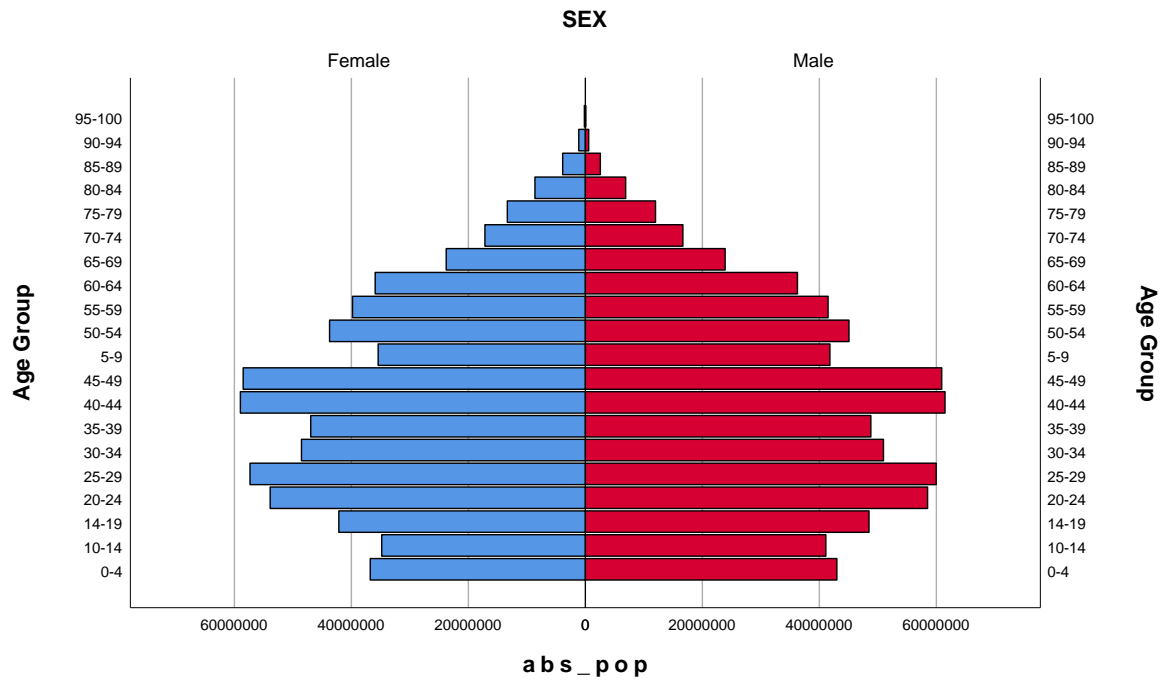
X

24-OCT-2020 16:15:25

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\ \
\ c h i n a . c s v

time = 2014 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.23

00:00:01.20

SEX

Female   Male

(Population pyramid chart showing age groups from 0-4 to 95-100 on the vertical axis, with abs_pop on the horizontal axis ranging from 60000000 to 0 to 60000000. Female data shown in blue on left, Male data in red on right.)

```
 USE ALL.
COMPUTE filter_$=(time = 2015).
VARIABLE LABELS filter_$ 'time = 2015 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
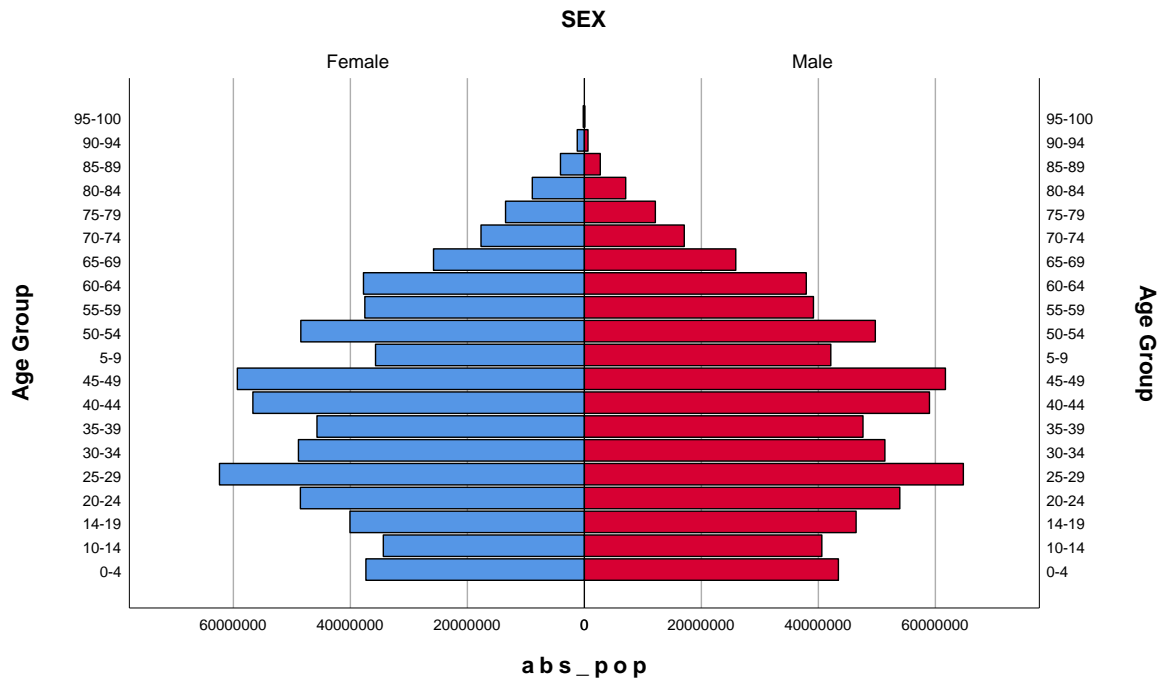
X

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\ c h i n a . c s v

time = 2015 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.19

00:00:01.58

SEX


```
 USE ALL.
COMPUTE filter_$=(time = 2016).
VARIABLE LABELS filter_$ 'time = 2016 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
```

9

```
XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
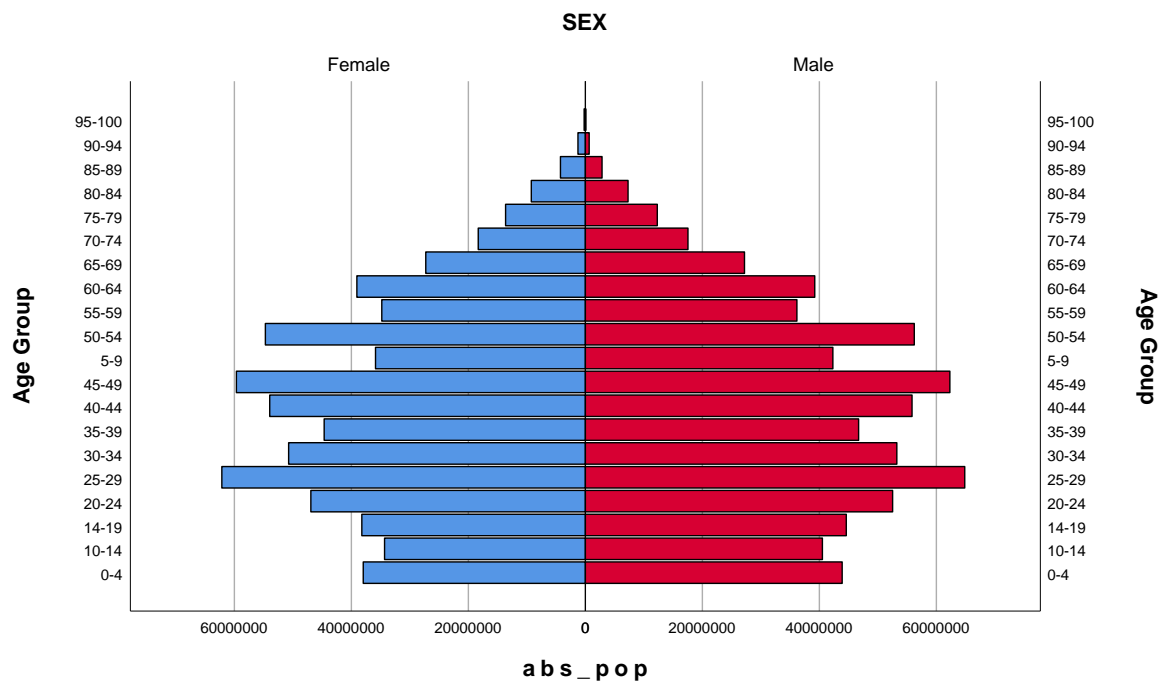
X

24-OCT-2020 16:15:28

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\ c h i n a . c s v

time = 2016 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.14

00:00:00.18


```
 USE ALL.
COMPUTE filter_$=(time = 2017).
```

```
VARIABLE LABELS filter_$ 'time = 2017 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
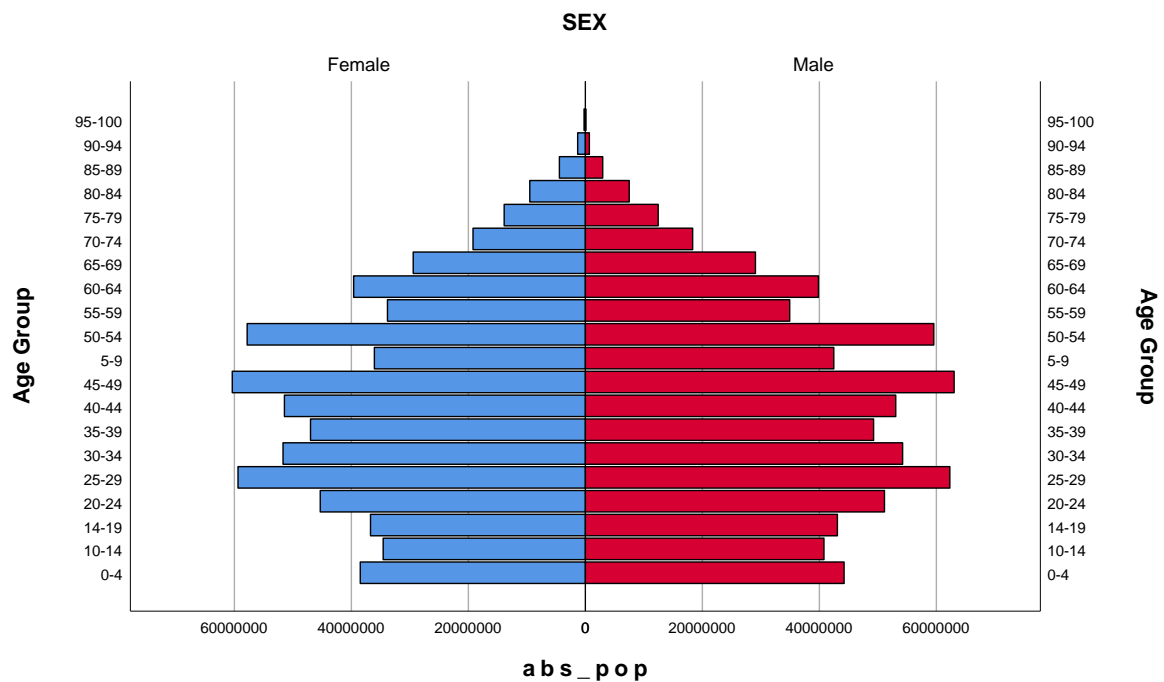
X

24-OCT-2020 16:15:28

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\ \
\ c h i n a . c s v

time = 2017 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.23

00:00:00.31

```
 USE ALL.
COMPUTE filter_$=(time = 2018).
VARIABLE LABELS filter_$ 'time = 2018 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.


XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
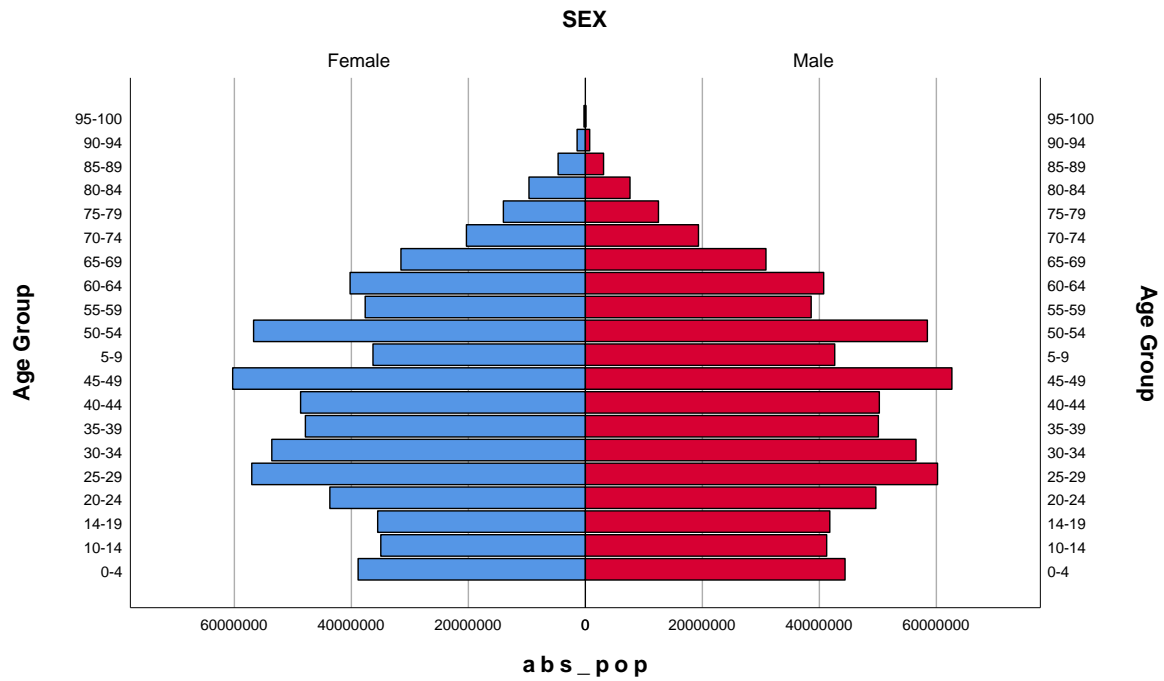
X

24-OCT-2020 16:15:28

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\ \
\ c h i n a . c s v

time = 2018 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.20

00:00:00.38

SEX

Female — Male

Age Group: 95-100, 90-94, 85-89, 80-84, 75-79, 70-74, 65-69, 60-64, 55-59, 50-54, 5-9, 45-49, 40-44, 35-39, 30-34, 25-29, 20-24, 14-19, 10-14, 0-4

X-axis (abs_pop): 60000000, 40000000, 20000000, 0, 20000000, 40000000, 60000000

```
 USE ALL.
COMPUTE filter_$=(time = 2019).
VARIABLE LABELS filter_$ 'time = 2019 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.

XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```
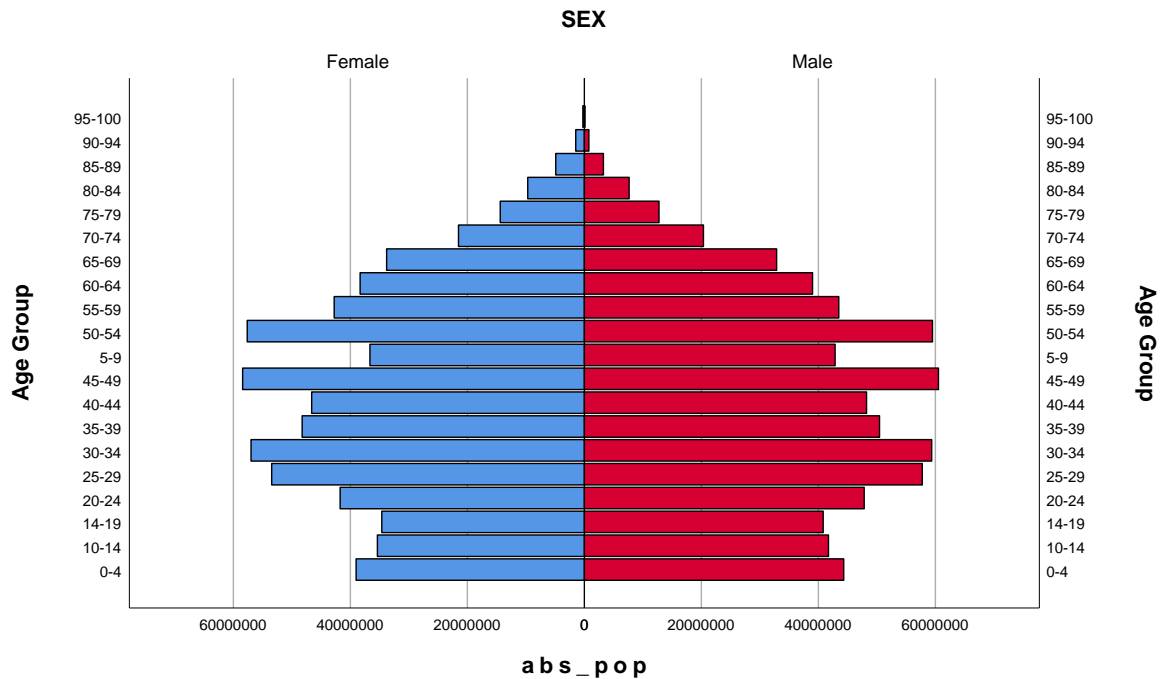
X

C:\Users\admini\Desktop\
\   \
\ c h i n a . c s v

time = 2019 (FILTER)

< >

< >

202

XGRAPH CHART=
(abs_pop [SUM] [BAR])
BY AGEGROUP[c] BY
SEX[c]
 /COORDINATE ...

00:00:00.20

00:00:00.38

SEX


```
 USE ALL.
COMPUTE filter_$=(time = 2020).
VARIABLE LABELS filter_$ 'time = 2020 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
```

```
XGRAPH CHART=(abs_pop [SUM] [BAR]) BY AGEGROUP[c] BY SEX[c]
  /COORDINATE SPLIT=YES.
```

X

SEX

Female   Male