Name: 黃子瑋   Student ID:410475001
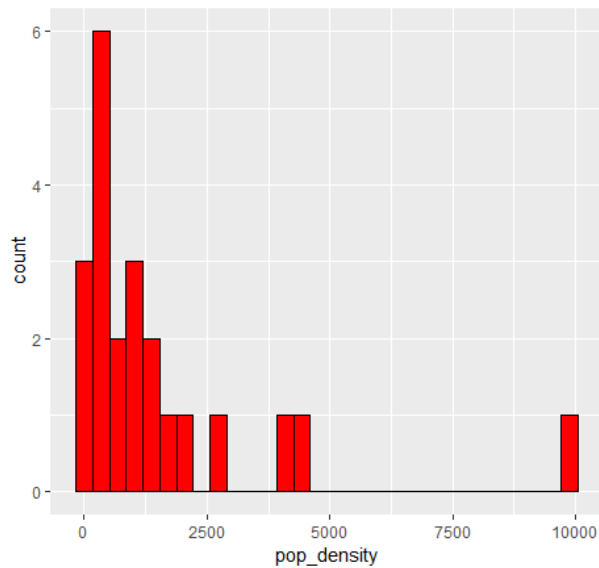
Question 1: Is there an outlier in the dataset? Which city is the outlier in terms of population density?
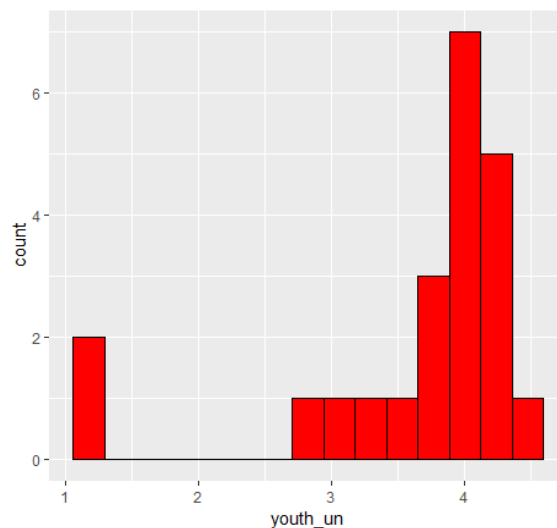Ans:_有離群值存在，在臺北市
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Plot 1

Question 2: Is there an outlier in the dataset? Which city is the outlier in terms of youth
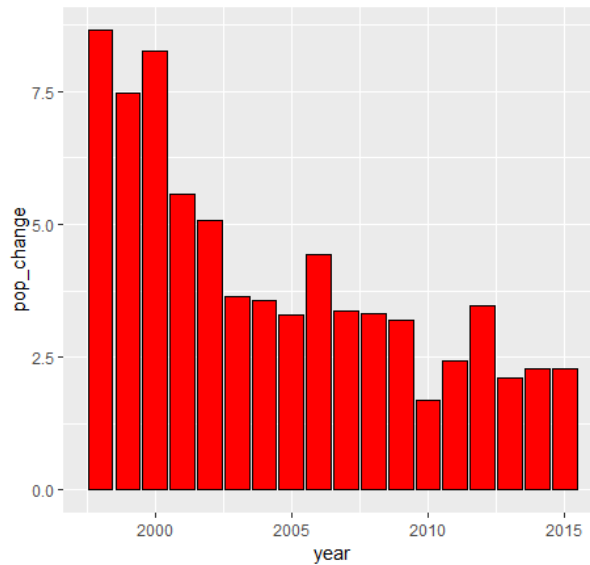unemployment rate?
Ans: :_有離群值存在，在金門縣和連江縣
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Plot 2

Plot 3:

Source Code:

library(tidyverse)

#讀取資料
setwd(getwd())
source('W4_Solution.R')

#將 mydata 中 city 屬於 Taiwan 的部分抓出,命名為 sub_Taiwan
sub_Taiwan<-filter(mydata,city=='Taiwan')

#畫各題要求的 histogram 資料
ggplot(sub_data2015,aes(x=pop_density))+geom_histogram(fill='red',color='black')
ggplot(sub_data2015,aes(x=youth_un))+geom_histogram(bins=15,fill='red',color='black')
ggplot(sub_Taiwan,aes(x=year,y=pop_change))+geom_col(fill='red',color='black')