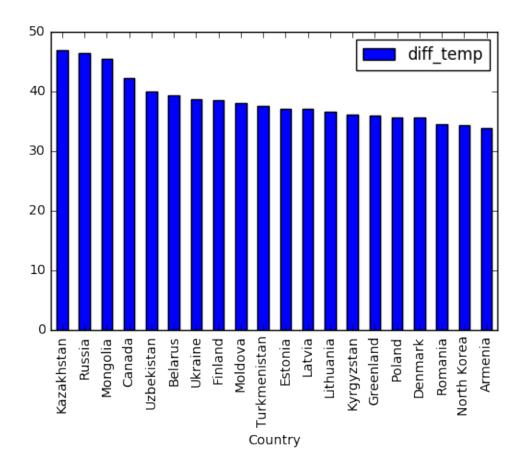
case_study_2

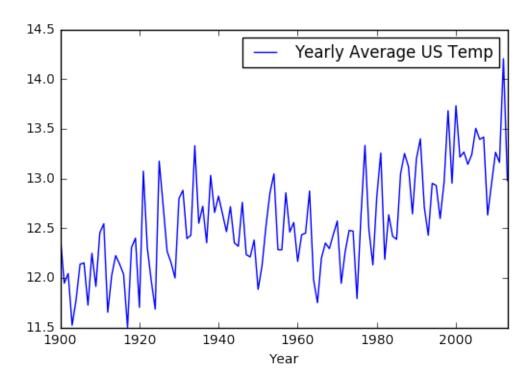
April 23, 2017

1 Question 04

1.1 (i)

```
In [248]: import pandas
          temp_countries = pandas.read_csv('./TEMP.csv')
          temp_countries_gt_1900 = temp_countries[temp_countries['Date'] > '1900-03
          temp_countries_gt_1900_agg = temp_countries_gt_1900.groupby(['Country'])
          temp_countries_gt_1900_agg['diff_temp'] = abs(temp_countries_gt_1900_agg
          temp_countries_gt_1900_agg = temp_countries_gt_1900_agg.drop(['min_temp',
          temp_countries_gt_1900_agg_20_largest = temp_countries_gt_1900_agg.nlarge
In [249]: temp_countries_gt_1900_agg_20_largest
Out [249]:
                        diff_temp
          Country
                            46.971
          Kazakhstan
                            46.454
          Russia
          Mongolia
                           45.426
          Canada
                            42.240
          Uzbekistan
                           39.886
          Belarus
                           39.338
          Ukraine
                           38.660
          Finland
                           38.528
          Moldova
                            38.012
          Turkmenistan
                           37.573
          Estonia
                           37.124
                           36.985
          Latvia
          Lithuania
                            36.635
                            36.084
          Kyrgyzstan
          Greenland
                           35.950
          Poland
                            35.616
          Denmark
                           35.547
          Romania
                            34.464
          North Korea
                            34.371
          Armenia
                            33.856
In [250]: p = temp_countries_gt_1900_agg_20_largest.plot(y='diff_temp',kind='bar')
```

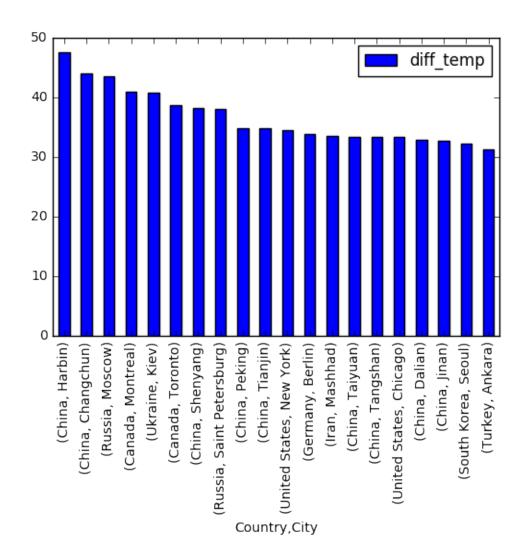




1.2.3 (ii) c)

Max temp difference is between year 1924 and 1925 and is equal to 1.48875.

1.3 (iii)



1.4 (iv) TODO: !!! Compare the two graphs in (i) and (iii) and comment it. ???

In []: