

# Figures and Tables

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## Summary of the Data

Year	Number of Countries
2006	183
2007	183
2008	198
2009	198
2010	199
2011	199
2012	199
2013	199
2014	199
2015	199
2016	199
2017	199
2018	199
2019	199

Figure 1

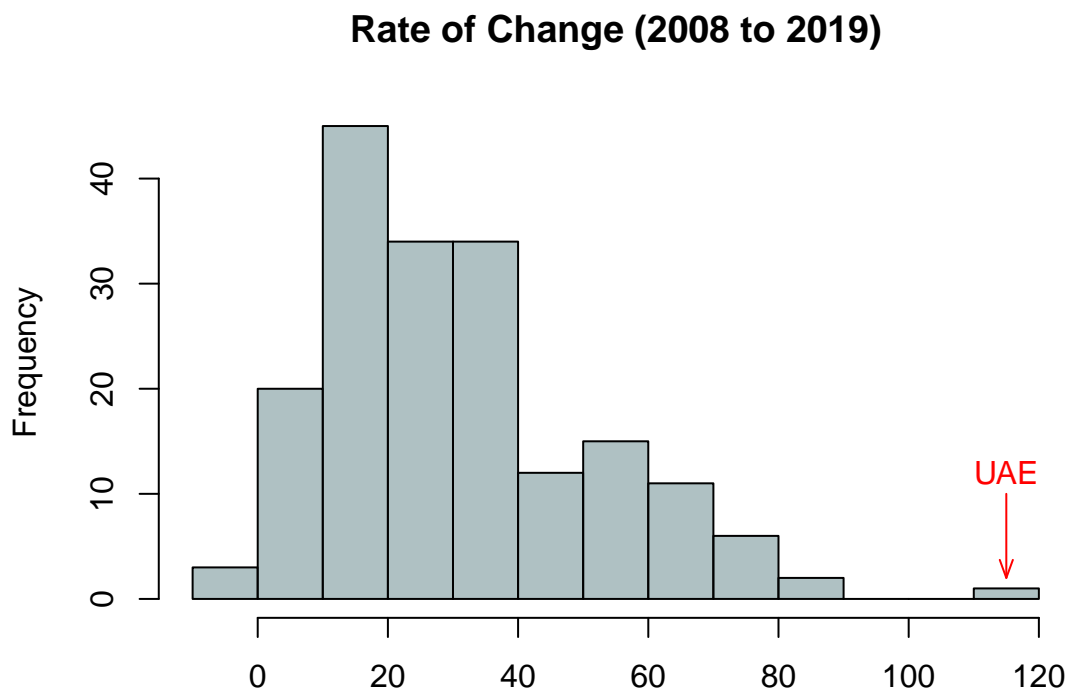
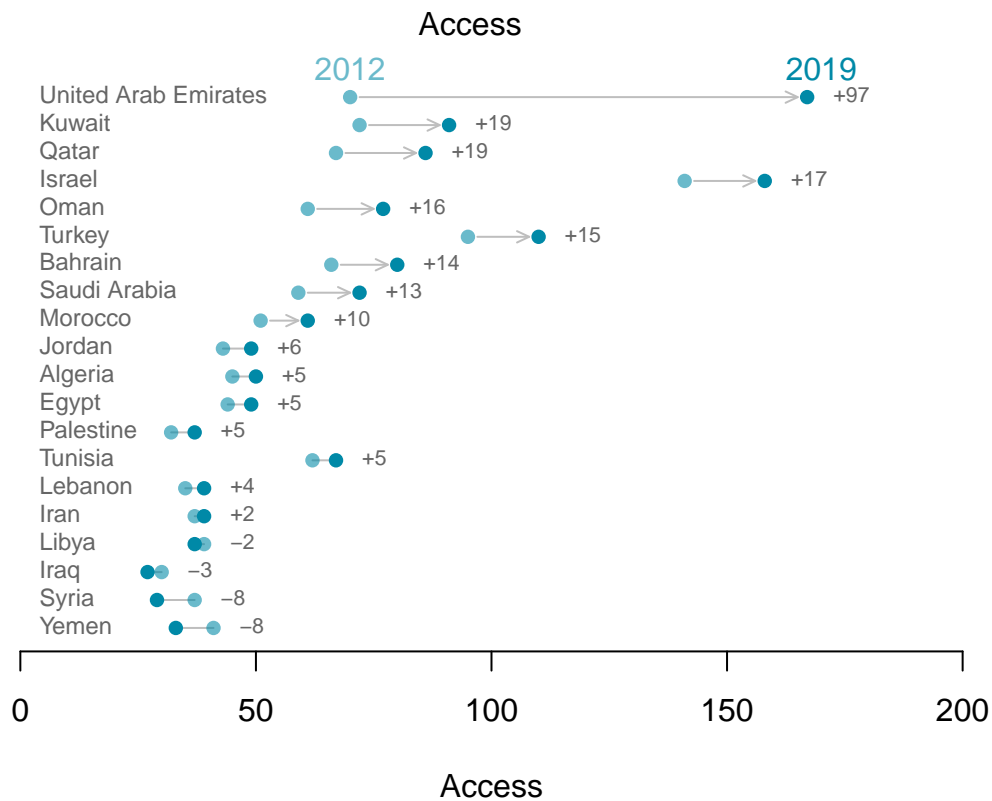
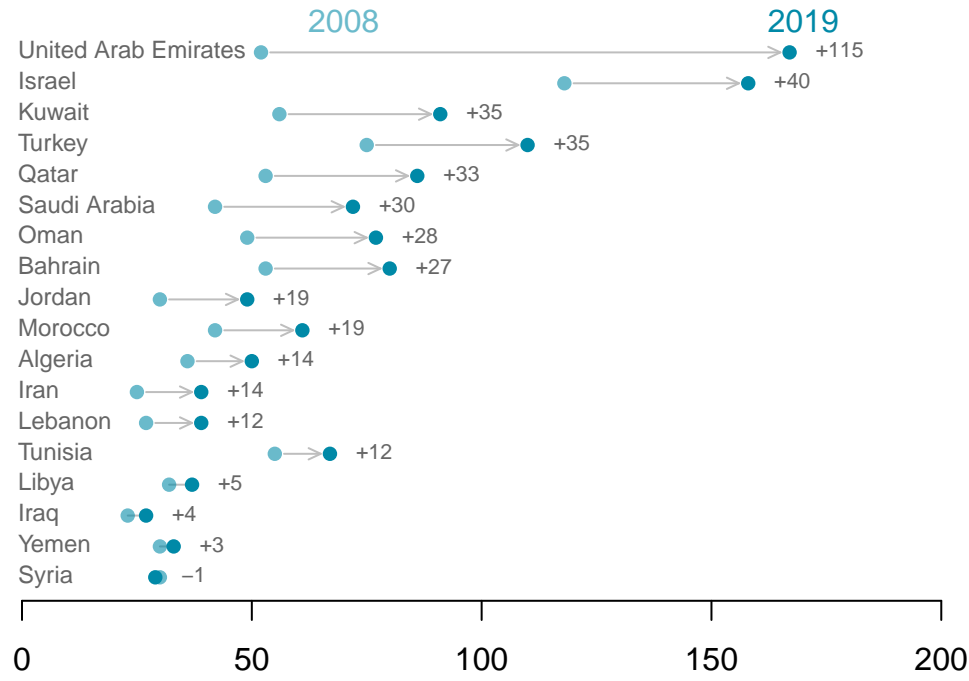


Figure 1 shows the distribution of changes between 2008 and 2019. UAE has the largest shift of 115. Note

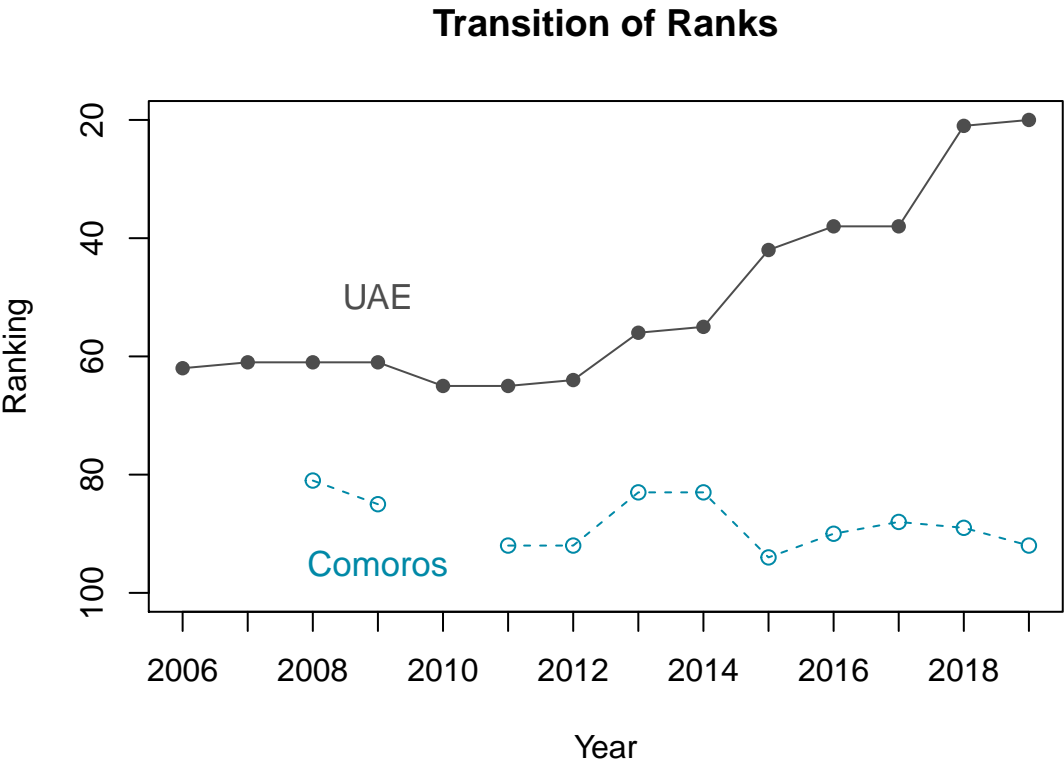
that the number of countries used to create the histogram is 183 which does not match the unique number of countries for each year. This is because set of countries included in each year might not be the same.

**Figure 2**

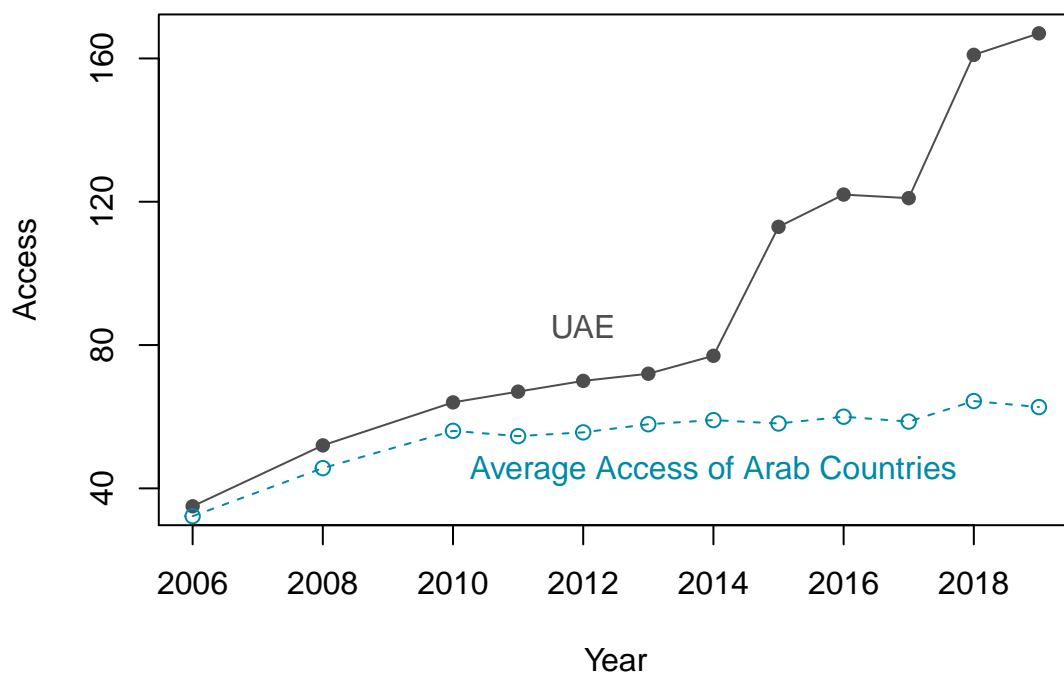


The figure above shows the changes of access from 2008 to 2019 and the figure below shows the changes from 2012 to 2019. Countries are sorted by the magnitude of changes. Note that Palestine only appears in the second figure.

Figure 3



## Transition of Access



Access data for Comores Islands are consistently missing so I plot only rankings to compare the two countries (the upper figure). The lower figure shows the trend of access for UAE and the trend for the “Arab” countries (averaging over the access among countries in the list you gave me). The average is computed year by year excluding UAE. Since the unique number of countries in each other does not vary much, the figure with access rate (the number of access divided by the total number of countries in the dataset) looks very similar.

## Transition of Access Rate

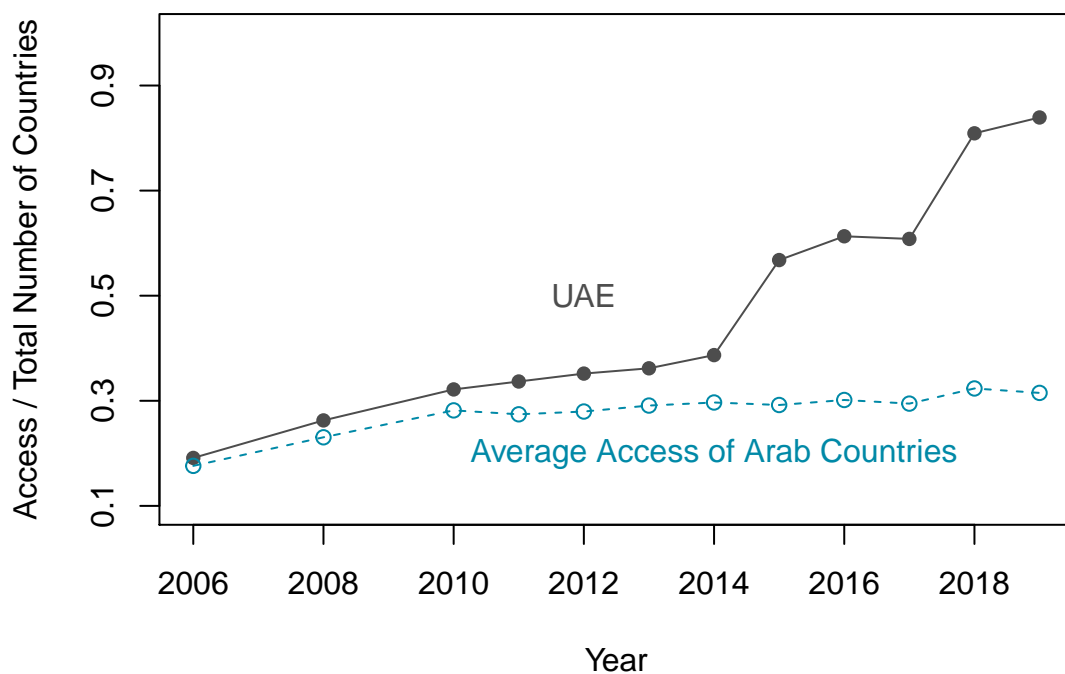
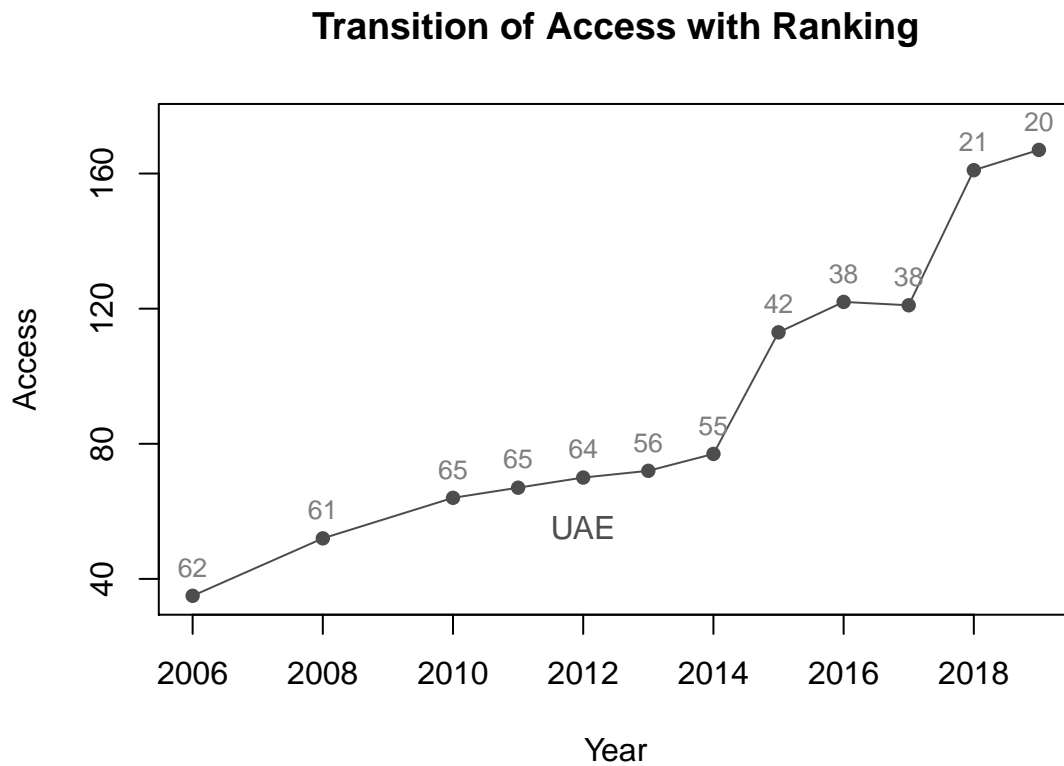


Figure 4



This is a UAE only plot for the access trend. I think rankings and access rate are essentially the same information – both in some sense normalize the access by the total number of countries. The figure shows the trend for the assess with global ranking as a label (in grey). The figure blow just added a vertial line representing the timing of Schengen visa-wavier (I choose the mid-point between 2014 and 2015 as a threshold).

## Transition of Access with Ranking

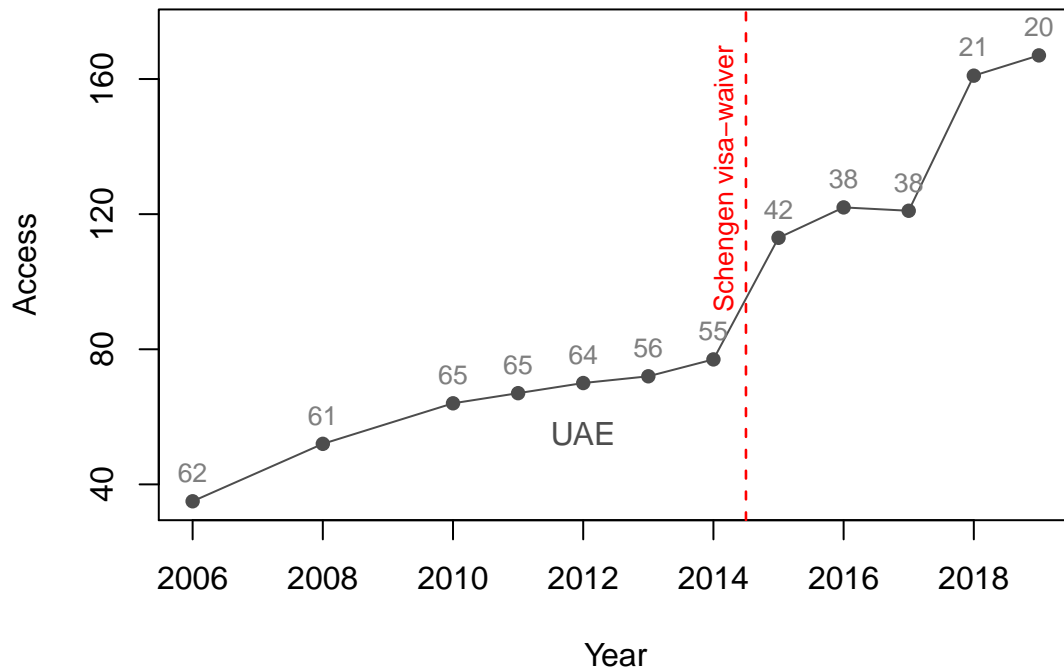
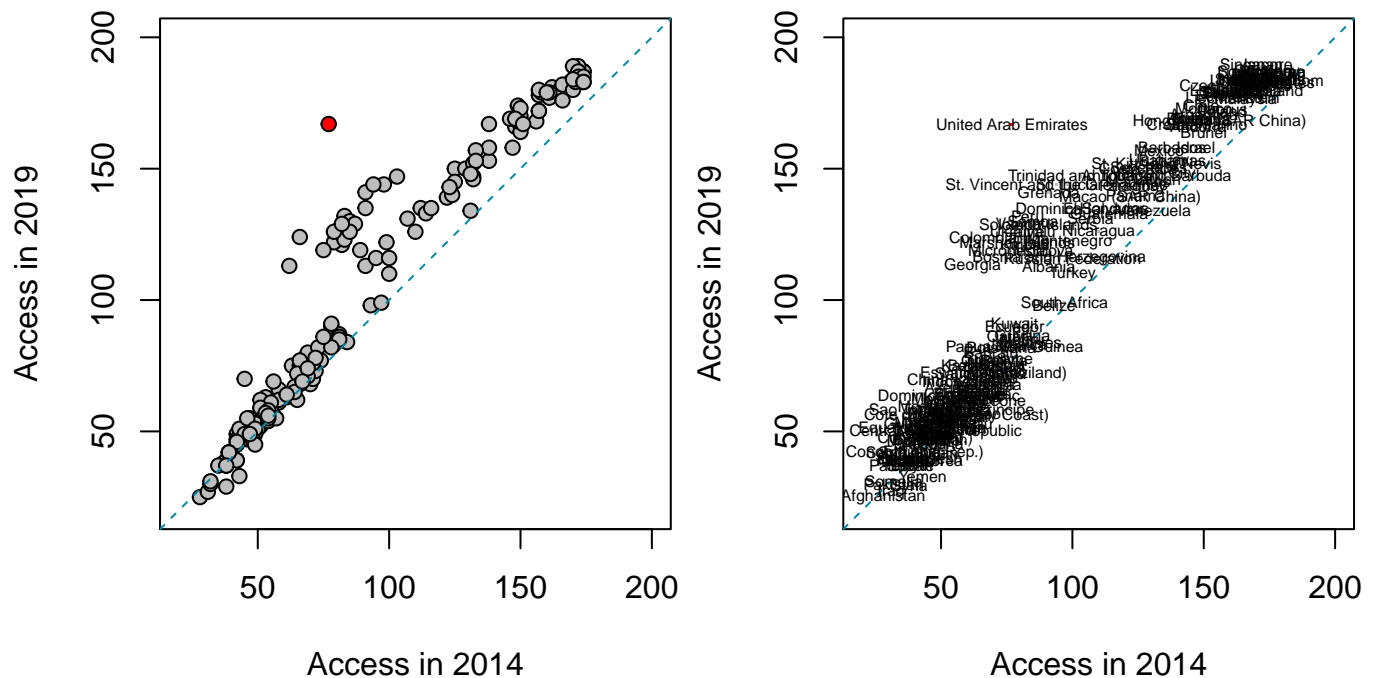


Figure 5



Two figures above show the same information – access in 2014 against access in 2019. UAE is in red. The figure below focus on countries that has a shift of more than 30 access countries. The blue dashed lines shows 45 degree line so it's possible to compare two figures, though it's hard to see in the figures above.

