Table Example

Calum Davey

24/10/2018

First, install the package ‘openxlsx’ by running install.packages('openxlsx') just once.

Then, you need to load the package, which we need to do each time we launch RStudio so might as well just have in the script.

Then we need to load the Excel sheet into R.

We can simply print the data in the table…

## Rank City Population Definition Area.(sq.km)  
## 1 1 Chongqing 30,165,500[6] Municipality 82,403[7]  
## 2 2 Shanghai 24,183,300[8] Municipality 6,340.5[9]  
## 3 3 Beijing 21,707,000[10] Municipality 16,411[7]  
## 4 4 Istanbul 15,029,231[11] Metropolitan municipality 620.29[12]  
## 5 5 Karachi 14,910,352[13] City[14] 3780  
## 6 6 Dhaka 14,399,000[15] City 337.54[16]  
## 7 7 Guangzhou 13,081,000[17] City (sub-provincial) 7,434[17]  
## 8 8 Shenzhen 12,528,300[18] City (sub-provincial) 1,992[19]  
## 9 9 Mumbai 12,442,373[20] City[21] 437.71[22]  
## 10 10 Moscow 13,200,000[23] Federal city[24][25] 2 511[26]  
## Population.density.(per.sq.km) Country  
## 1 366 China  
## 2 3814 China  
## 3 1267 China  
## 4 24231 Turkey  
## 5 3944 Pakistan  
## 6 42659 Bangladesh  
## 7 1760 China  
## 8 6889 China  
## 9 28426 India  
## 10 5256 Russia

but the output is pretty ugly. Instead, we can use one of the functions associated with the ‘knit’ command to make the table look nicer (you can find out more by typing ?knitr::kable in the command line).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rank | City | Population | Definition | Area.(sq.km) | Population.density.(per.sq.km) | Country |
| 1 | Chongqing | 30,165,500[6] | Municipality | 82,403[7] | 366 | China |
| 2 | Shanghai | 24,183,300[8] | Municipality | 6,340.5[9] | 3814 | China |
| 3 | Beijing | 21,707,000[10] | Municipality | 16,411[7] | 1267 | China |
| 4 | Istanbul | 15,029,231[11] | Metropolitan municipality | 620.29[12] | 24231 | Turkey |
| 5 | Karachi | 14,910,352[13] | City[14] | 3780 | 3944 | Pakistan |
| 6 | Dhaka | 14,399,000[15] | City | 337.54[16] | 42659 | Bangladesh |
| 7 | Guangzhou | 13,081,000[17] | City (sub-provincial) | 7,434[17] | 1760 | China |
| 8 | Shenzhen | 12,528,300[18] | City (sub-provincial) | 1,992[19] | 6889 | China |
| 9 | Mumbai | 12,442,373[20] | City[21] | 437.71[22] | 28426 | India |
| 10 | Moscow | 13,200,000[23] | Federal city[24][25] | 2 511[26] | 5256 | Russia |