week 9 diary entry

shuohang

2023-10-20

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com (http://rmarkdown.rstudio.com).

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
"Q1:the topic i decide to choose is about the conditions of marine species, this topi
c is discussed from various perspectives such as the pollution situation, the distinc
tion rates and so on"
```

```
## [1] "Q1:the topic i decide to choose is about the conditions of marine species, th
is topic is discussed from various perspectives such as the pollution situation, the
distinction rates and so on"
```

```
"Q2:I have collected several data resoureces on different websites, mostly CSV files,
below is one of the datasets i have found."
```

```
## [1] "Q2:I have collected several data resoureces on different websites, mostly CSV
files, below is one of the datasets i have found."
```

```
read.csv("marine1.csv")
```

```
##      C.Square.Code Latitude Longitude Species.Count
## 1     1212:121:2    22.25    121.75         9887
## 2     1212:121:4    22.75    121.75         9874
## 3     1212:354:4    25.75    124.75         9772
## 4     1212:353:4    25.75    123.75         9701
## 5     1012:236:4     3.75    126.75         9687
## 6     1212:110:4    21.75    120.75         9685
## 7     1212:143:1    24.25    123.25         9680
## 8     3013:120:3    -2.75    130.25         9662
## 9     1112:352:1    15.25    122.25         9658
## 10    1212:144:3    24.75    124.25         9657
## 11    3013:141:4    -4.75    131.75         9643
## 12    3115:114:1   -11.25    154.25         9629
## 13    3012:229:4    -2.75    129.75         9623
## 14    1112:351:4    15.75    121.75         9620
## 15    1012:466:1     6.25    126.25         9611
## 16    3013:131:3    -3.75    131.25         9607
## 17    3115:102:4   -10.75    152.75         9605
## 18    1212:131:4    23.75    121.75         9603
## 19    3013:141:2    -4.25    131.75         9602
## 20    3115:113:3   -11.75    153.25         9590
## 21    1112:361:2    16.25    121.75         9583
## 22    3013:141:1    -4.25    131.25         9583
## 23    3014:497:3    -9.75    147.25         9582
## 24    3115:111:2   -11.25    151.75         9576
## 25    3115:103:3   -10.75    153.25         9572
## 26    3115:113:4   -11.75    153.75         9571
## 27    3012:219:1    -1.25    129.25         9570
## 28    3012:238:4    -3.75    128.75         9570
## 29    3013:130:1    -3.25    130.25         9568
## 30    3114:207:2   -10.25    147.75         9566
## 31    1112:372:3    17.75    122.25         9558
## 32    3012:238:3    -3.75    128.25         9556
## 33    3013:130:3    -3.75    130.25         9556
## 34    3012:239:1    -3.25    129.25         9553
## 35    1212:245:4    24.75    125.75         9553
## 36    3012:229:3    -2.75    129.25         9551
## 37    3012:237:2    -3.25    127.75         9544
## 38    3012:228:4    -2.75    128.75         9543
## 39    1012:245:4     4.75    125.75         9533
## 40    3015:392:3    -9.75    152.25         9530
## 41    1012:245:3     4.75    125.25         9525
## 42    3012:237:4    -3.75    127.75         9524
## 43    3012:249:2    -4.25    129.75         9523
## 44    1212:120:2    22.25    120.75         9515
## 45    3012:228:3    -2.75    128.25         9513
## 46    1012:246:4     4.75    126.75         9509
## 47    1012:235:4     3.75    125.75         9499
## 48    3012:219:2    -1.25    129.75         9497
## 49    1212:101:4    20.75    121.75         9494
## 50    3015:391:2    -9.25    151.75         9486
## 51    3013:352:2    -5.25    132.75         9478
## 52    3116:110:3   -11.75    160.25         9471
## 53    1012:455:2     5.25    125.75         9466
## 54    1212:144:1    24.25    124.25         9466
```