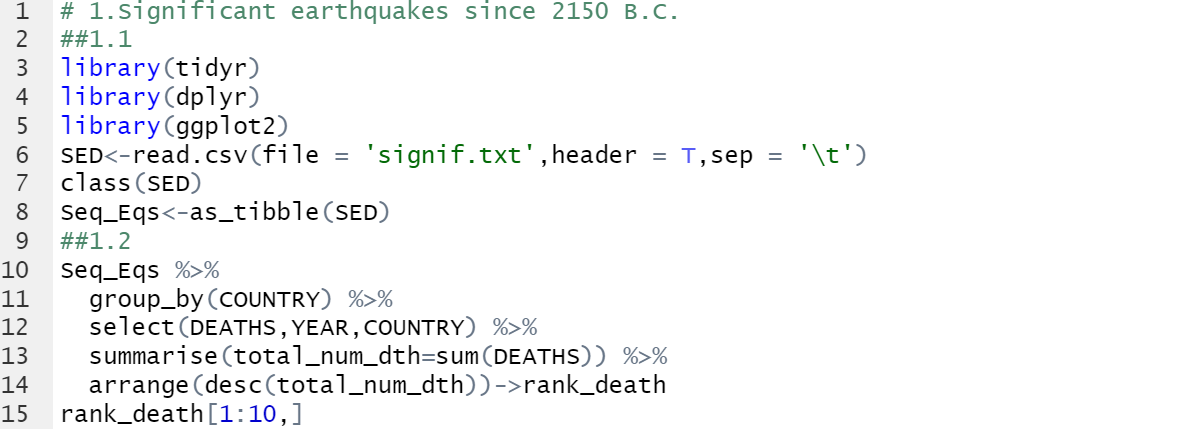
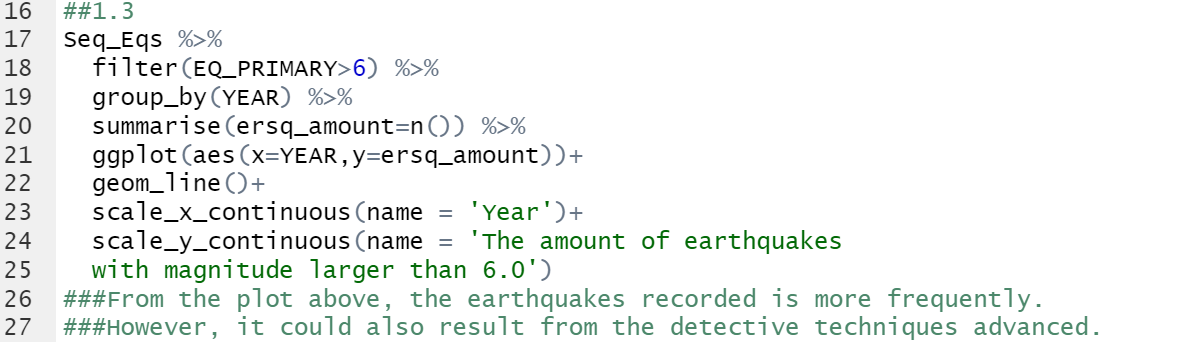
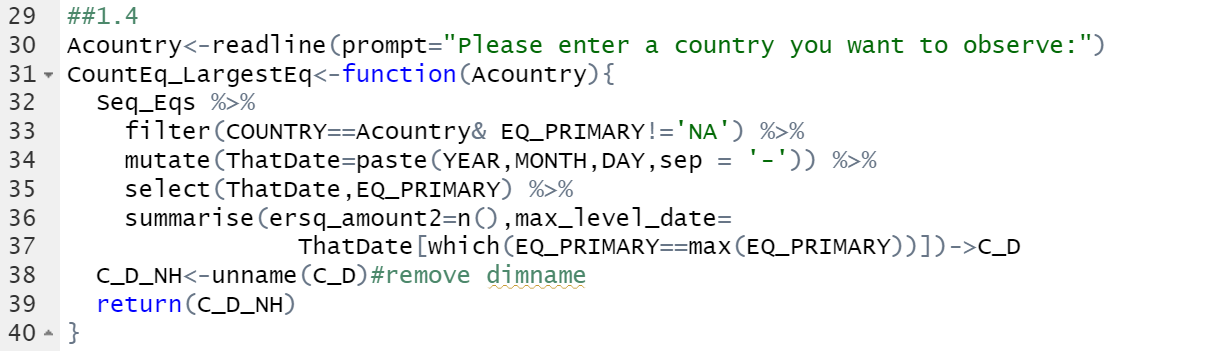
Report for HW2

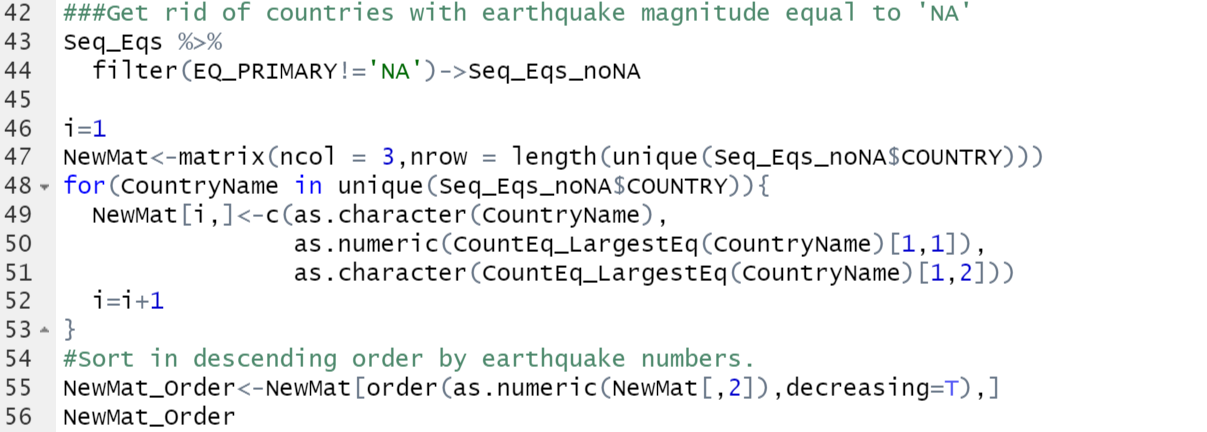
12032924李熹成

**Problem #1**

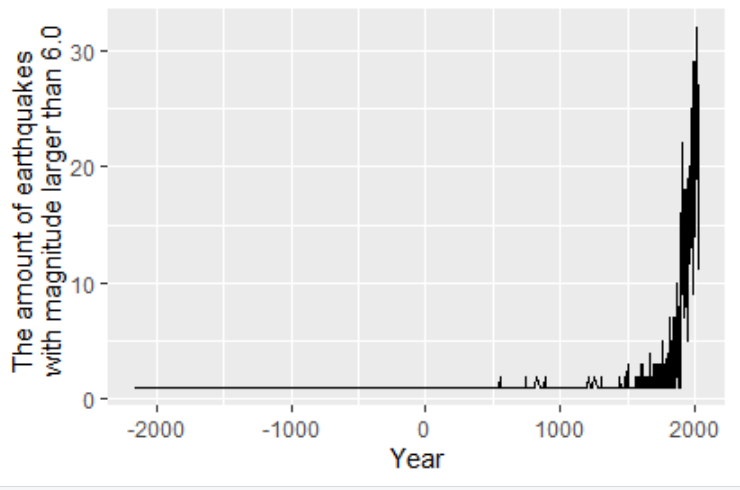






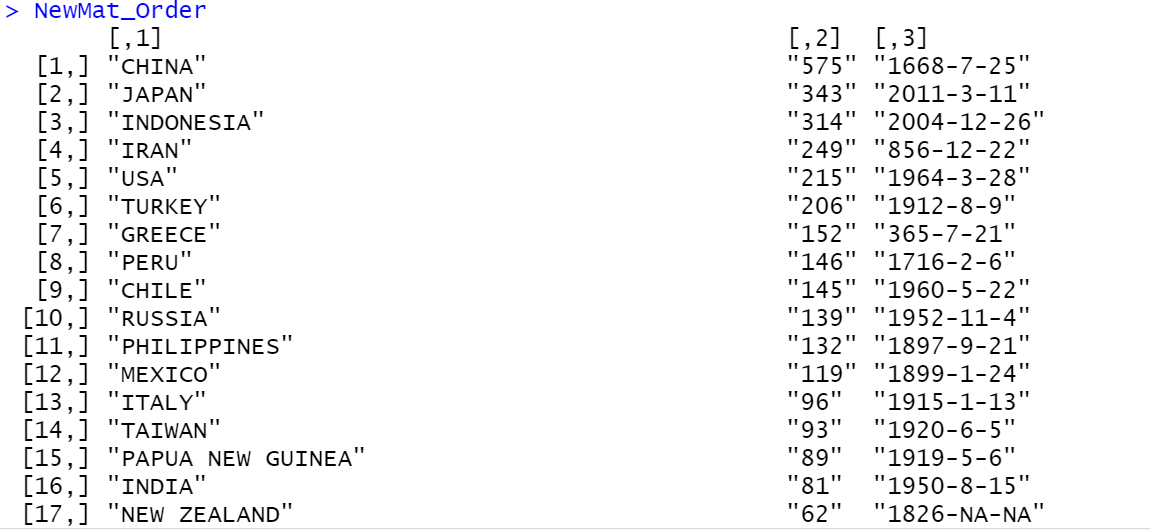


* 1. I used desc() to rank top 10 countries along with the total number of death in 1.2.
  2. The result is as below:

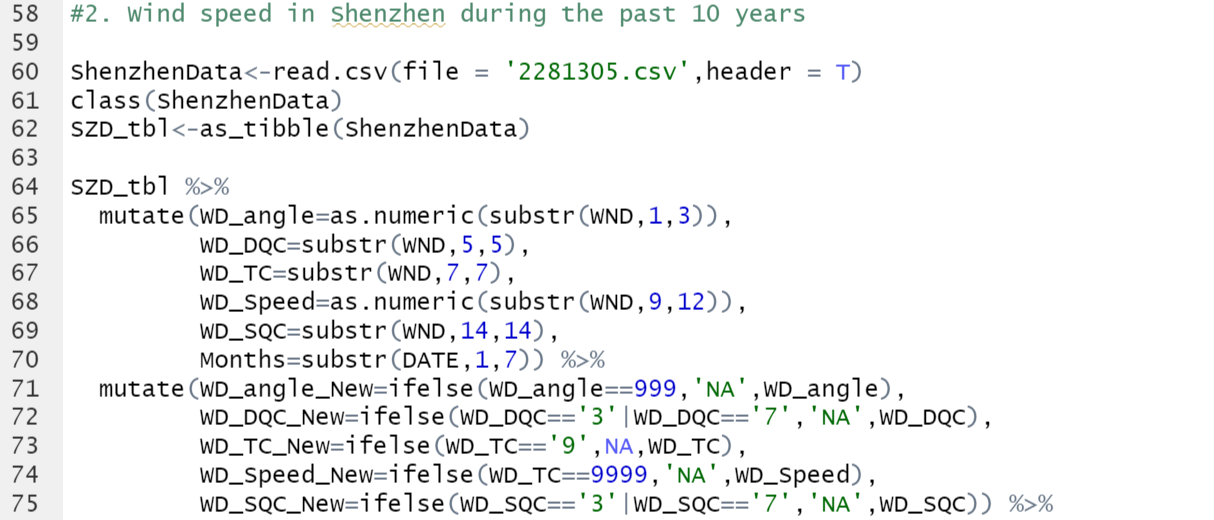


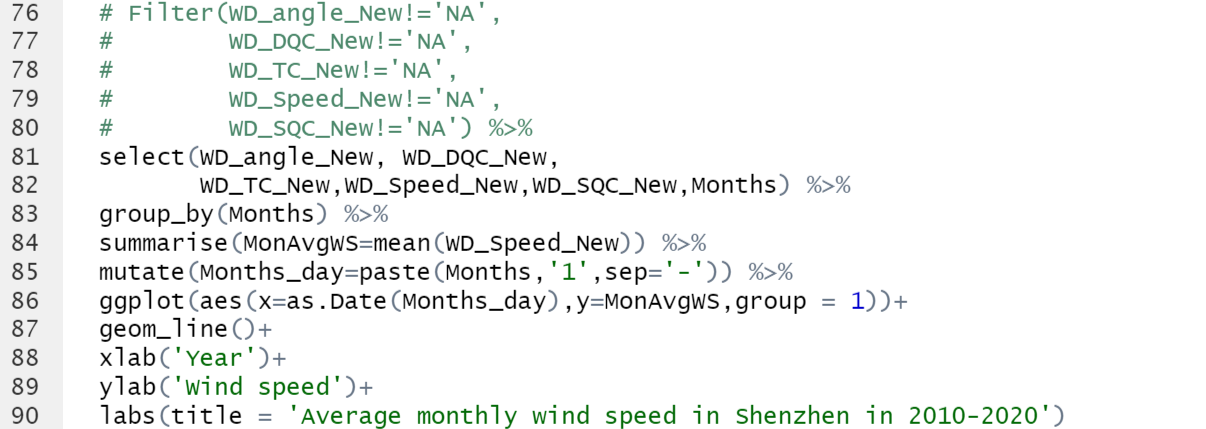
The earthquake magnitude more than 6 is becoming more frequently probably because the monitoring technique is more advanced over hundreds of years.

* 1. The results are as below:



**Problem #2**

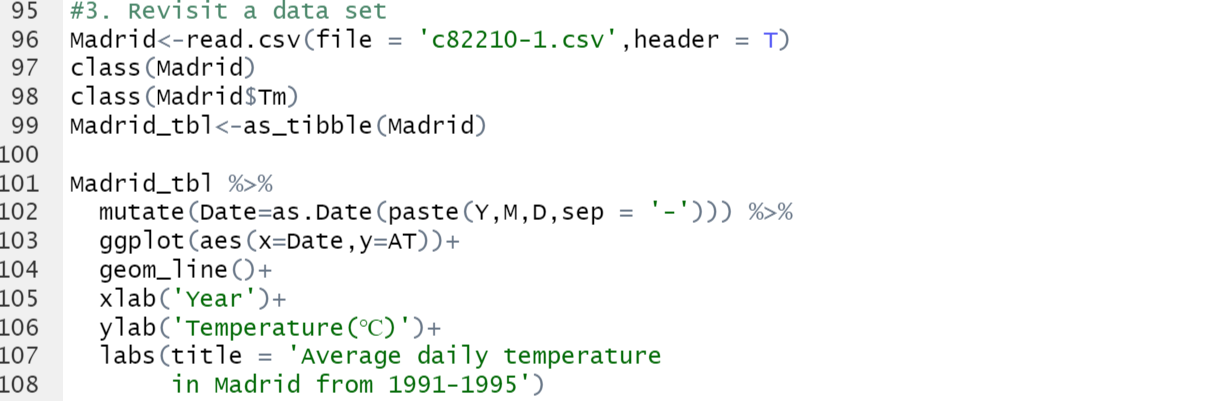


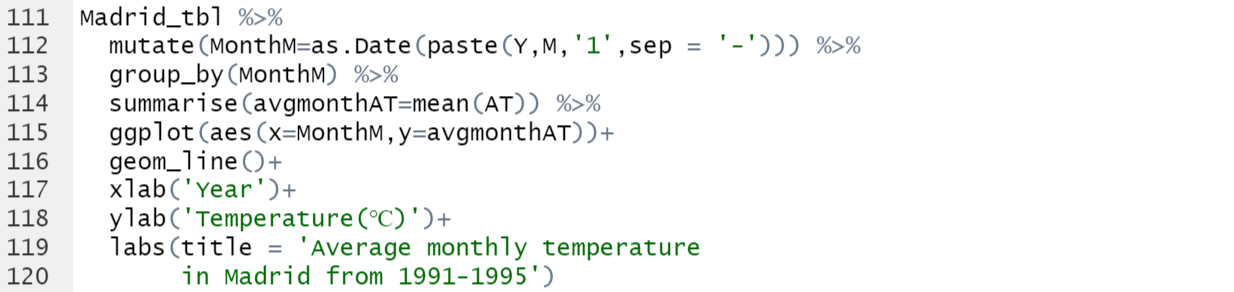


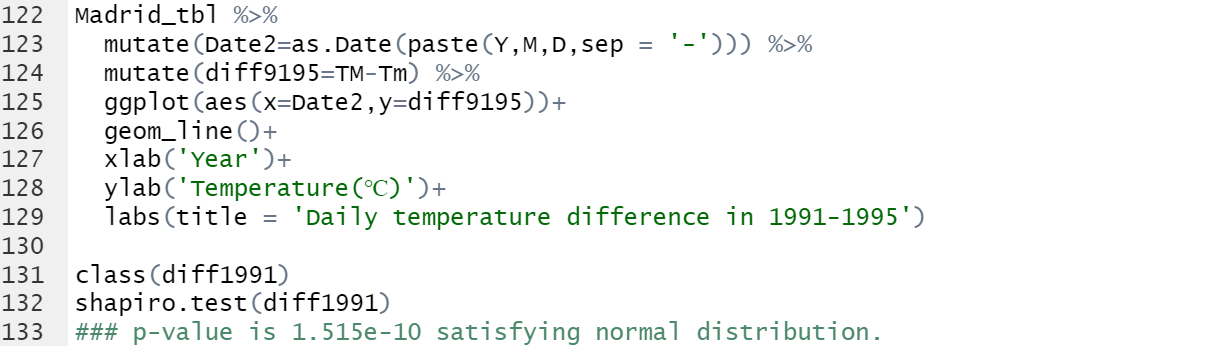
The results are as below:

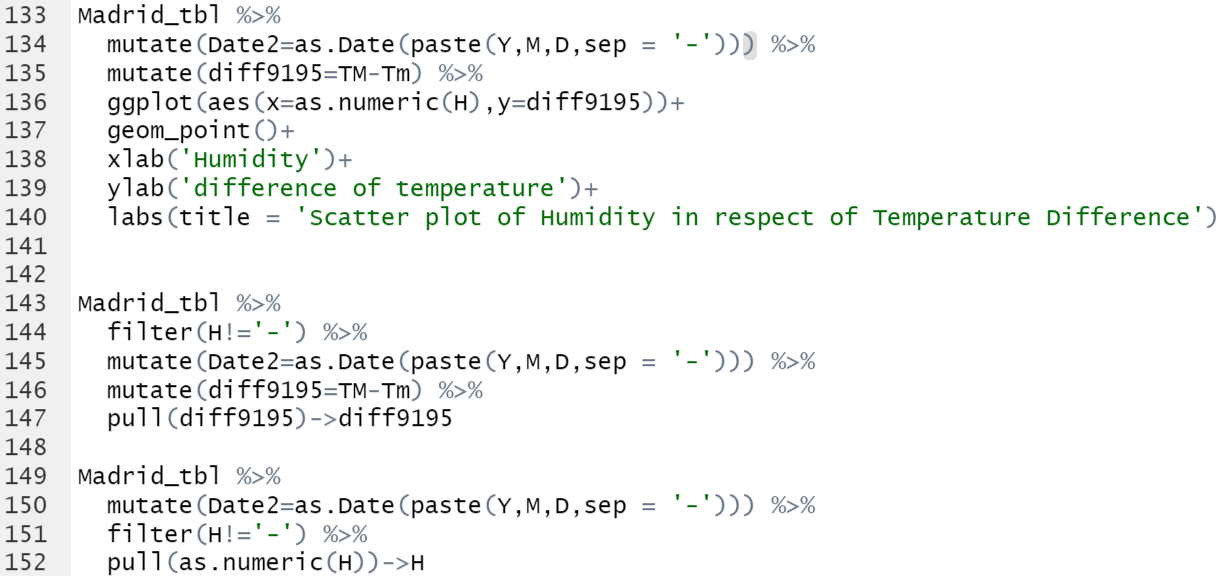


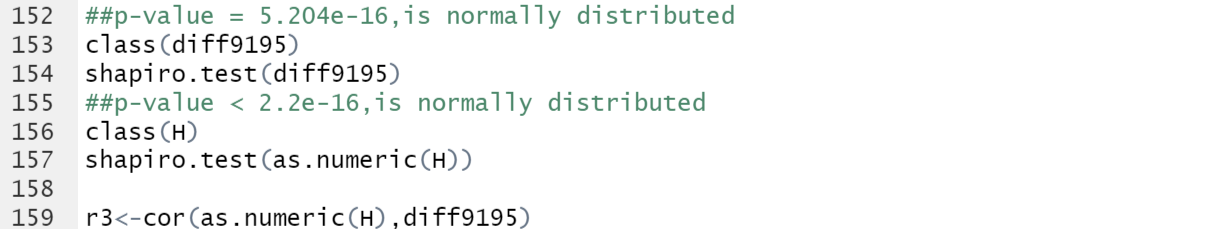
**Problem#3**

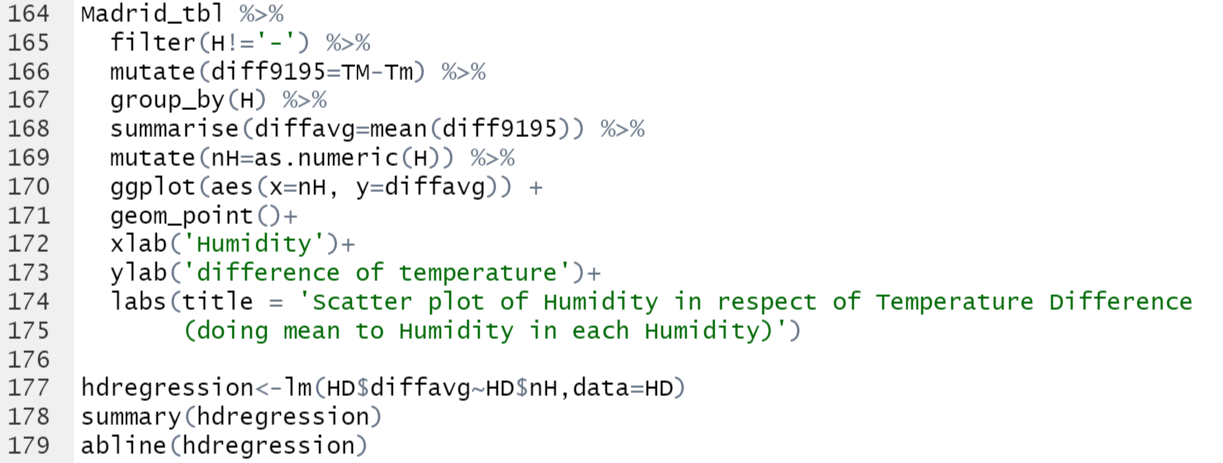




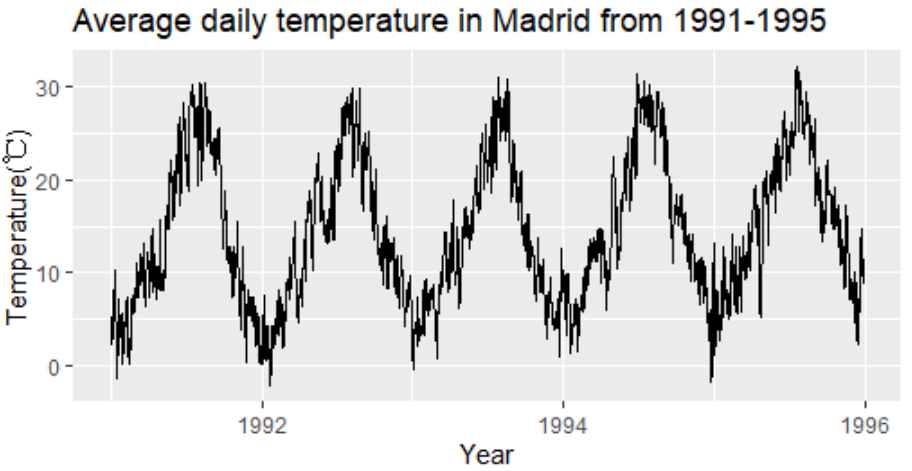


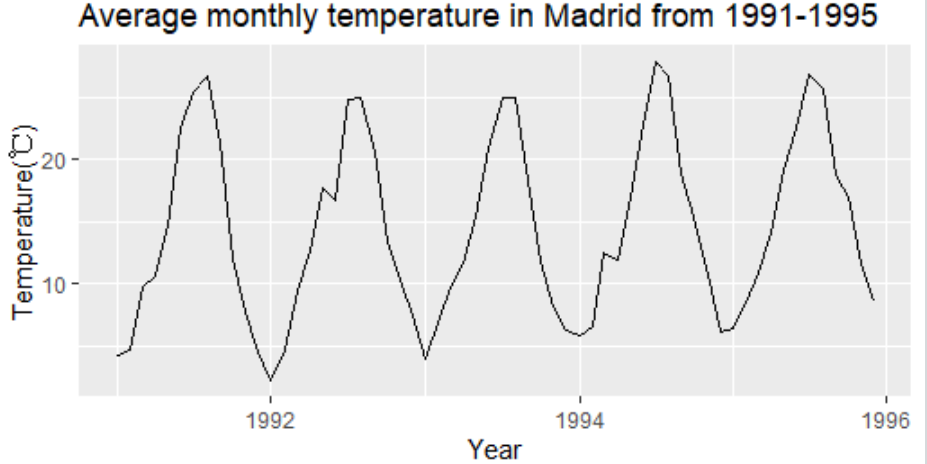


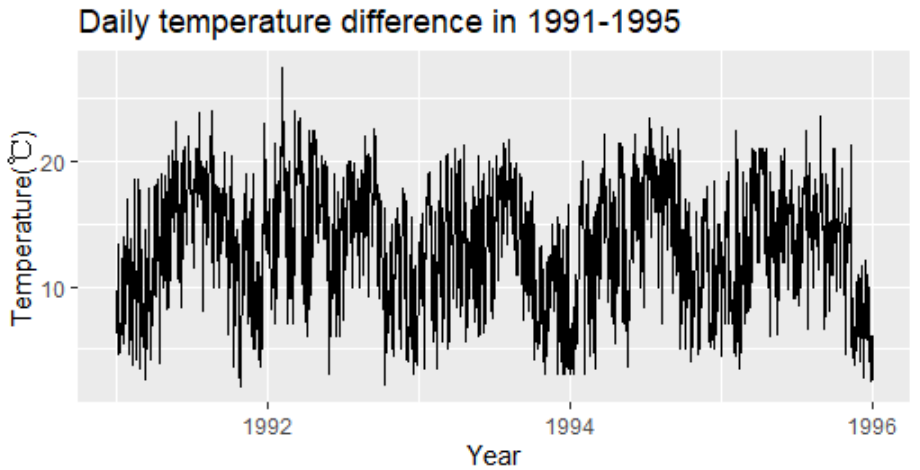


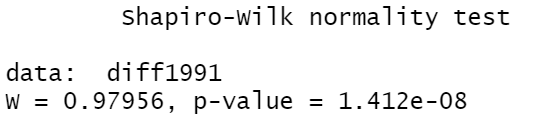


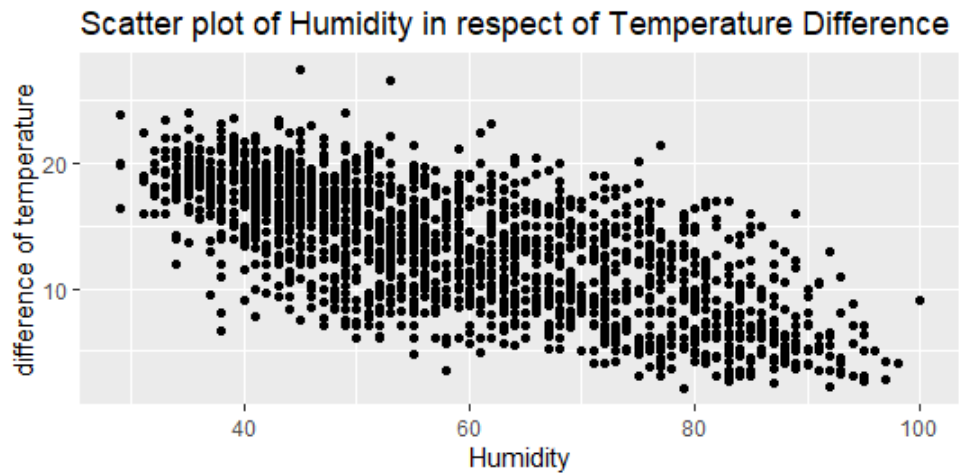
The results are as below:

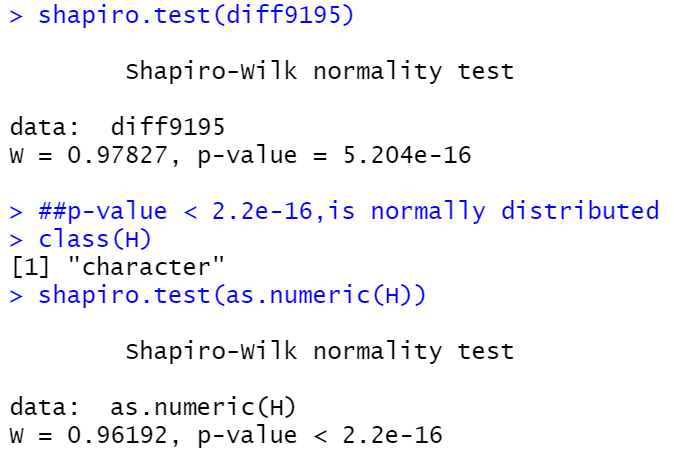




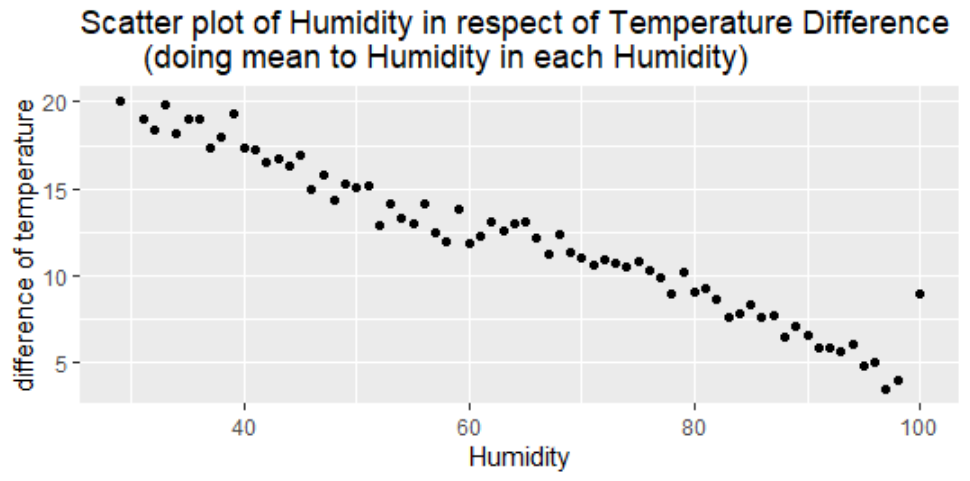


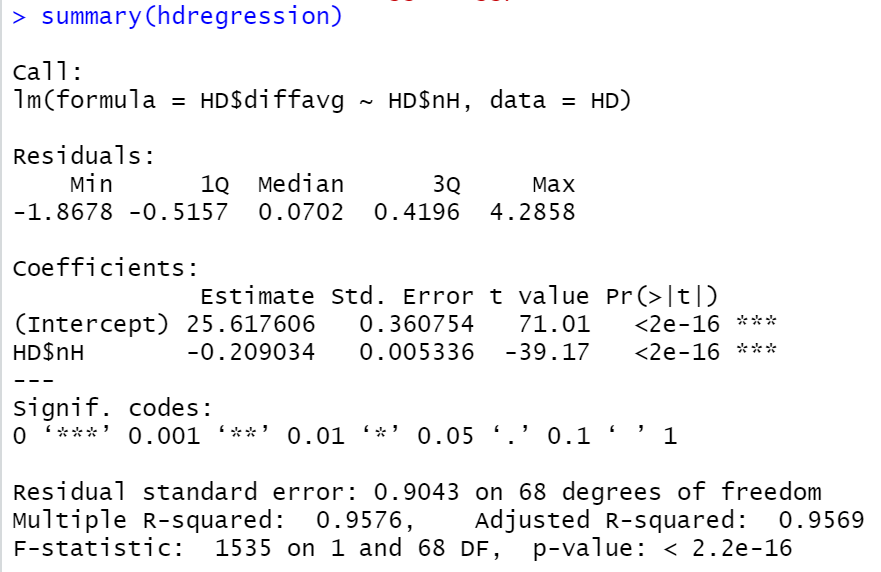






The two p-values are both in a tiny amount. The two sets both obey the normal distribution.





The humidity and the temperature difference can well fit linear regression.