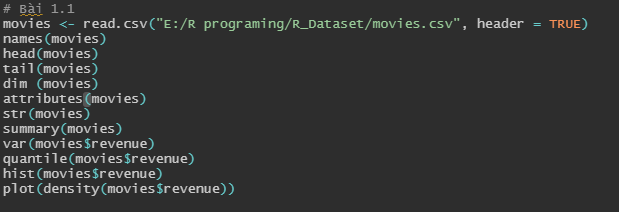
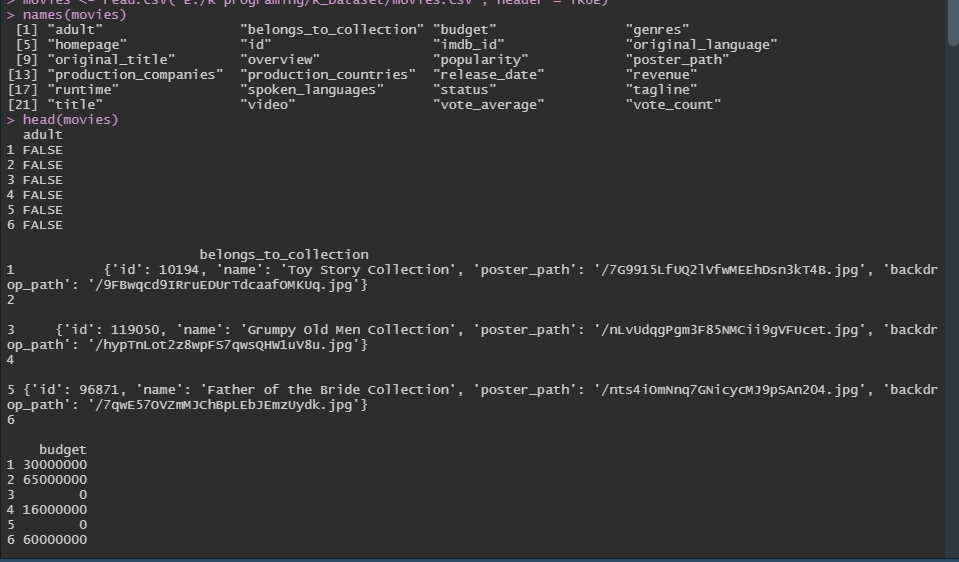
MSSV: 2186400330

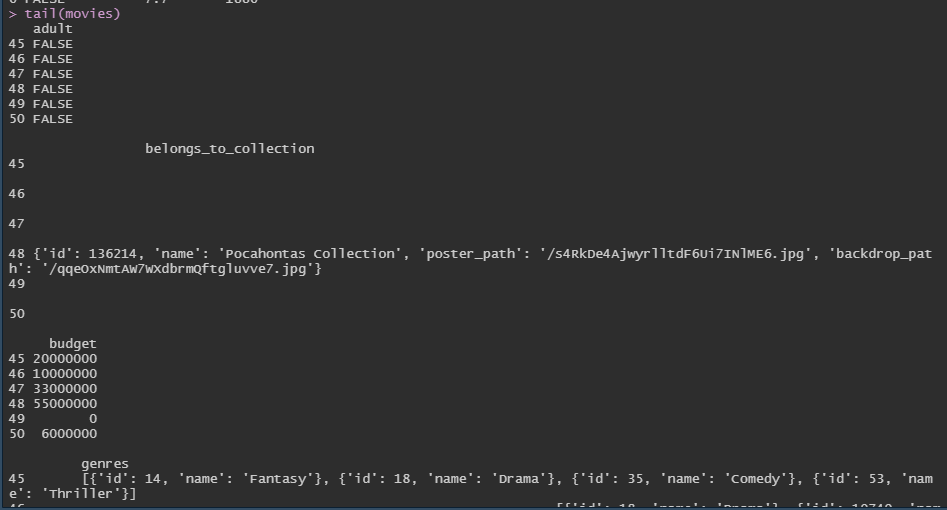
TÊn: Lê Nguyễn Anh Nhật

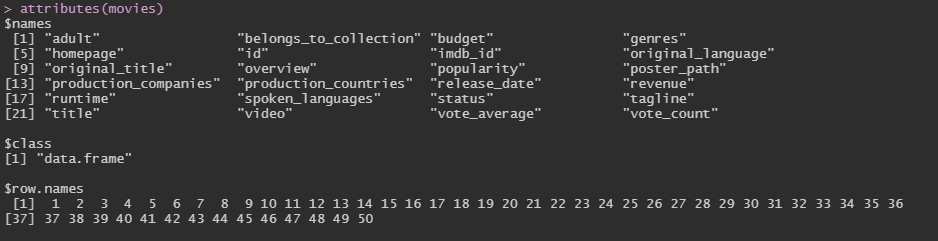
Bài 1.1: Dữ liệu từ file Movies.csv



Kết quả:



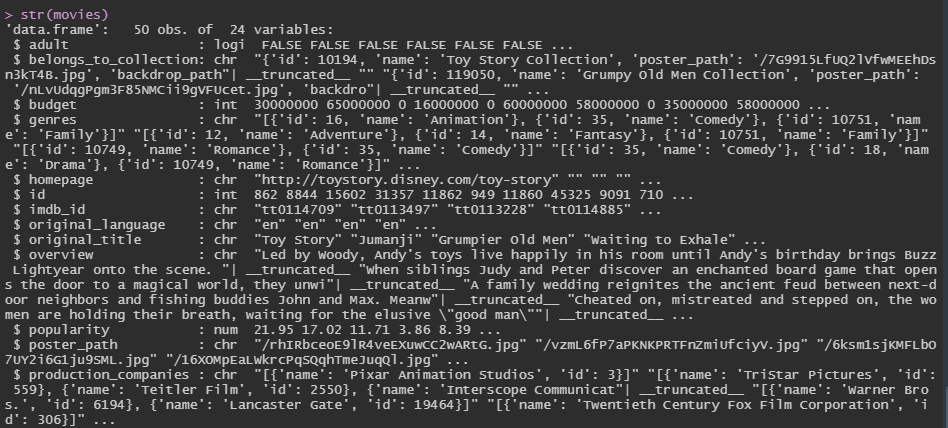


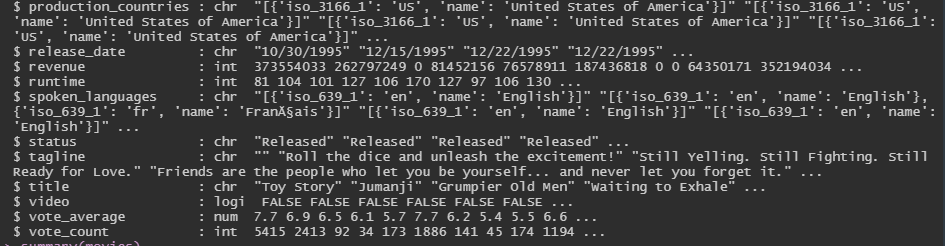




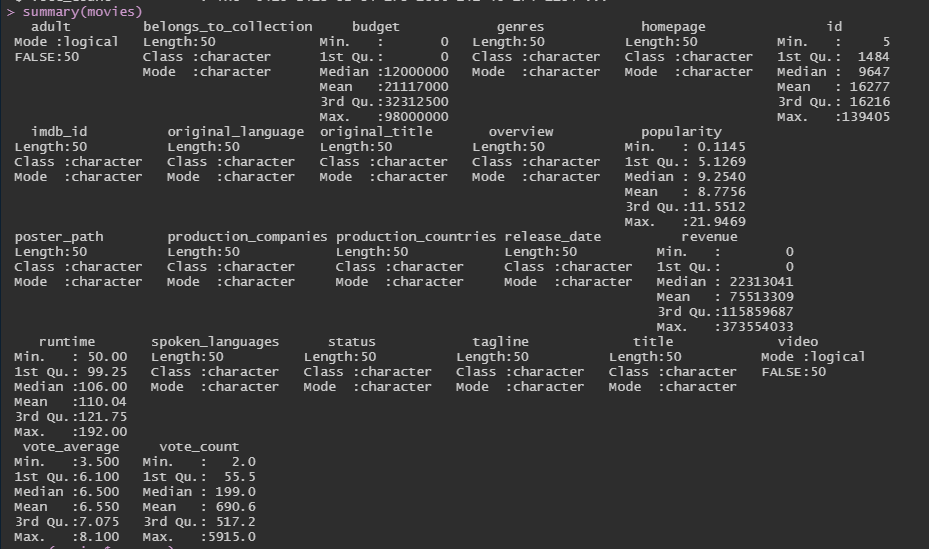
**Dữ liệu có** 50 dòng và 24 cột, được lưu trong DataFrame,

Các kiểu dữ liệu của từng cột

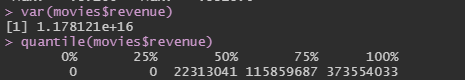




Tóm tăt từng cột



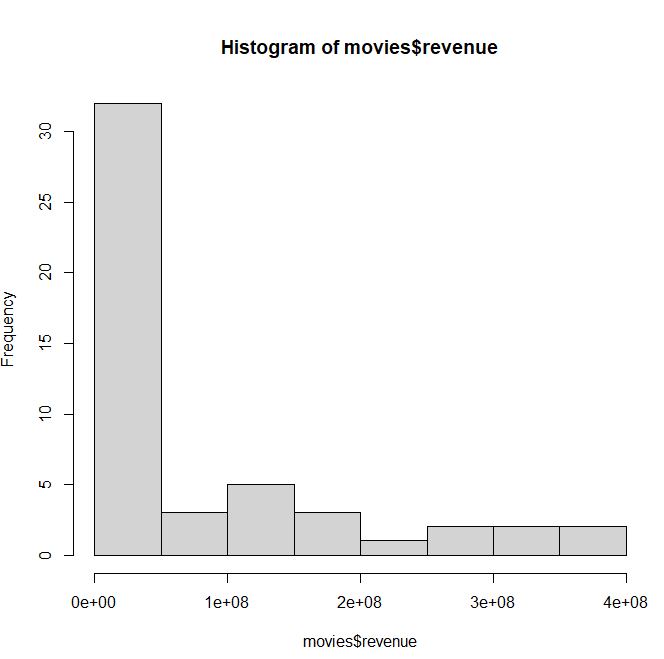
Làm việc với cột Renevue



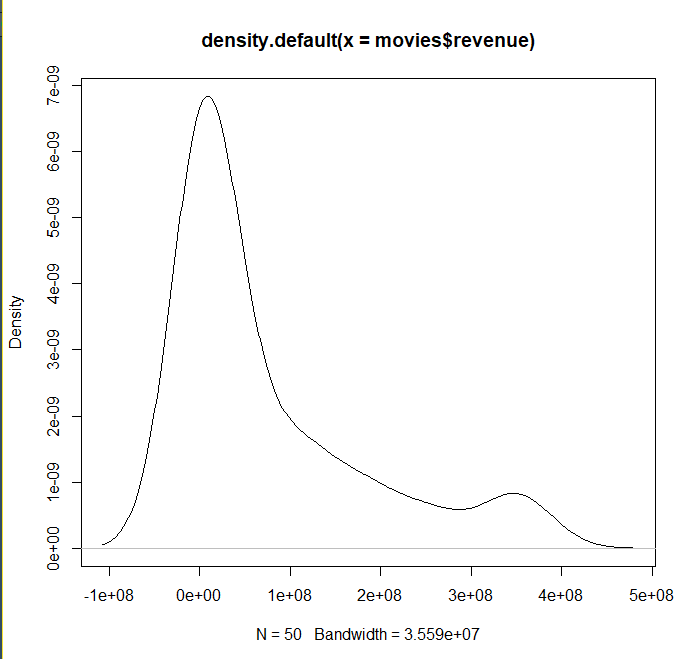
Phương sai là 1.178…e+16

Các lần phân vị 50% là 22313041

Đồ thị hist của Renevue



**Đồ thị phân phối của renevue**

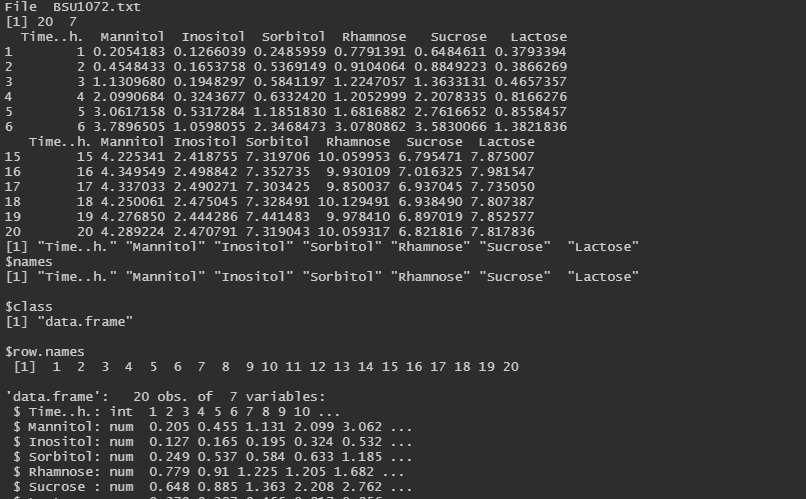


**Bài 1.2**

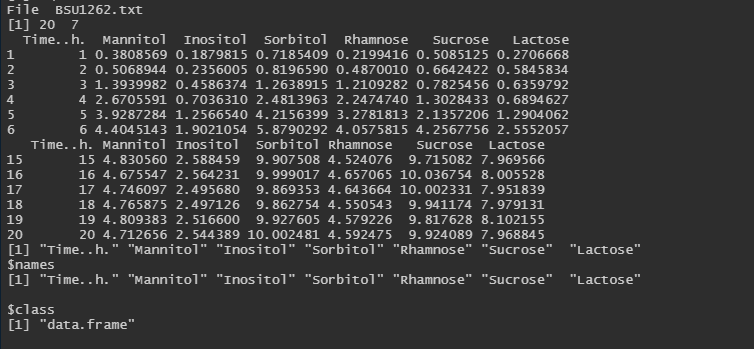
**Đọc dữ liệu từ thư mục carbon sources**



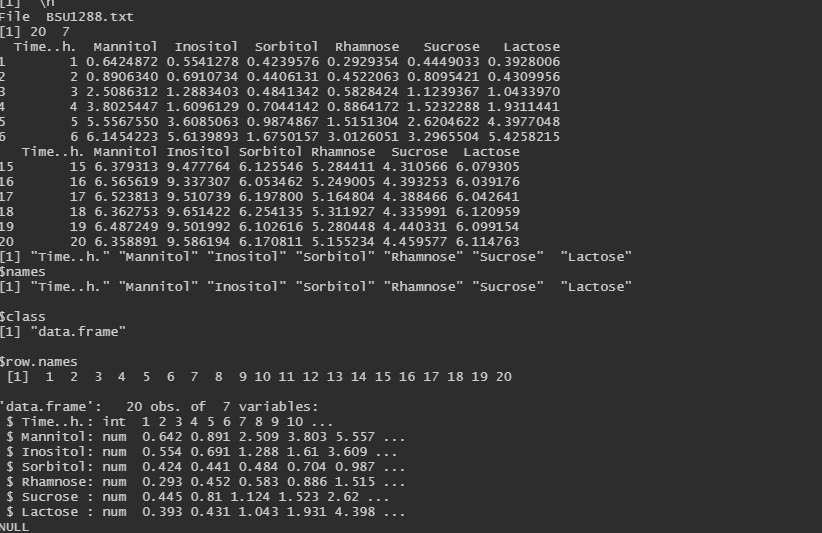
File 1

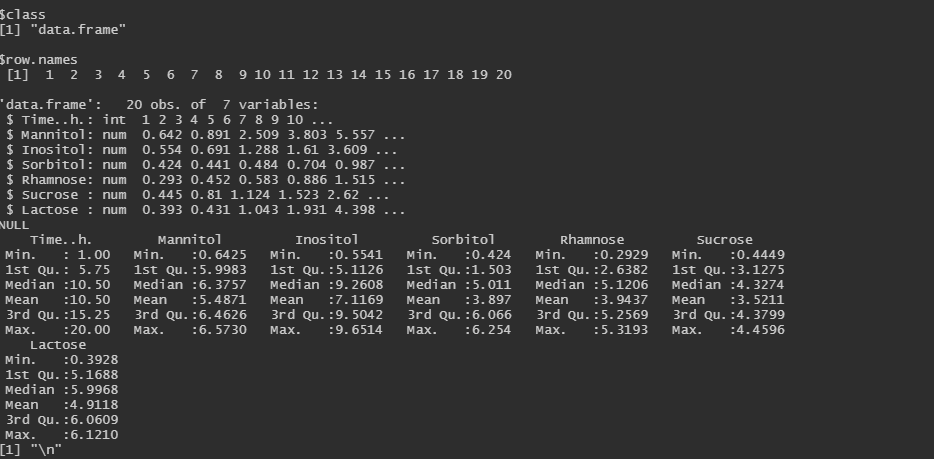


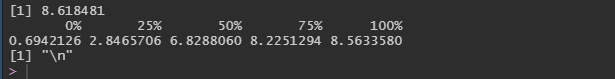
File 2

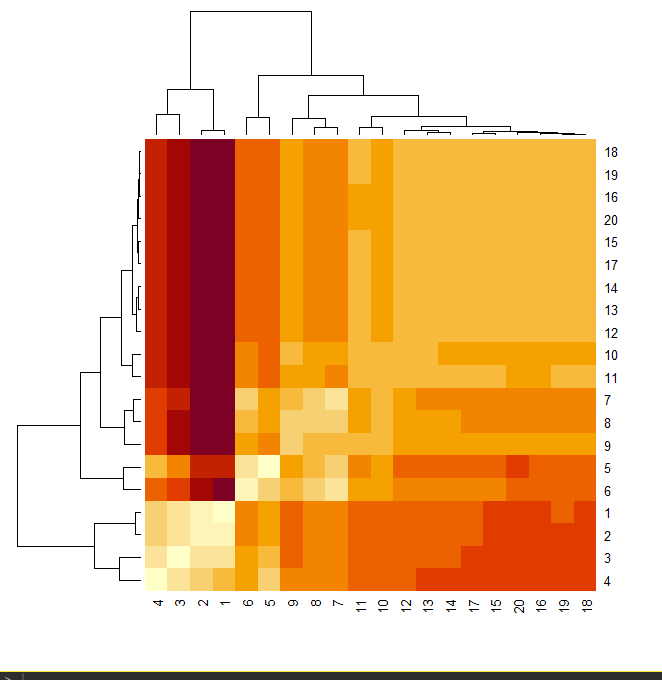


File 3



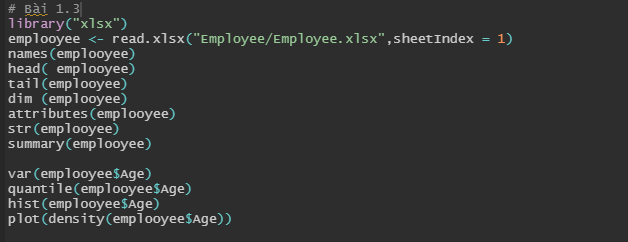




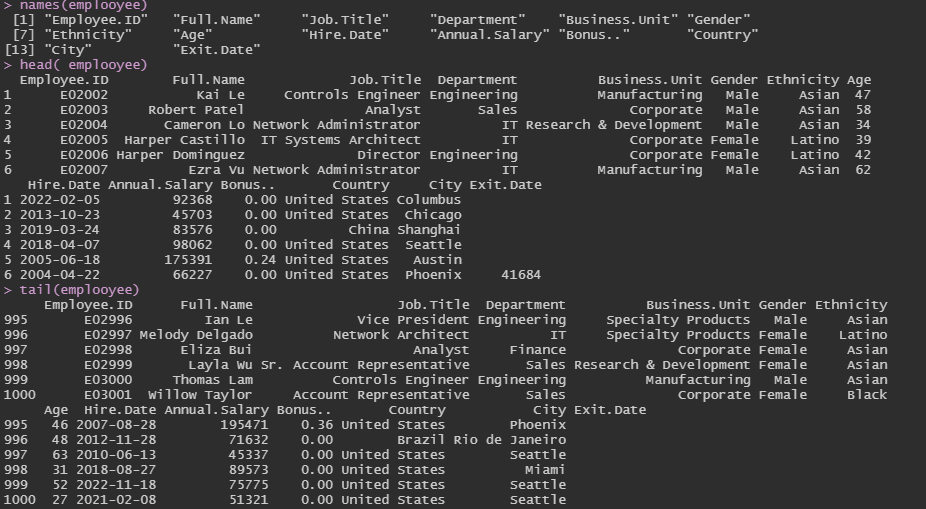


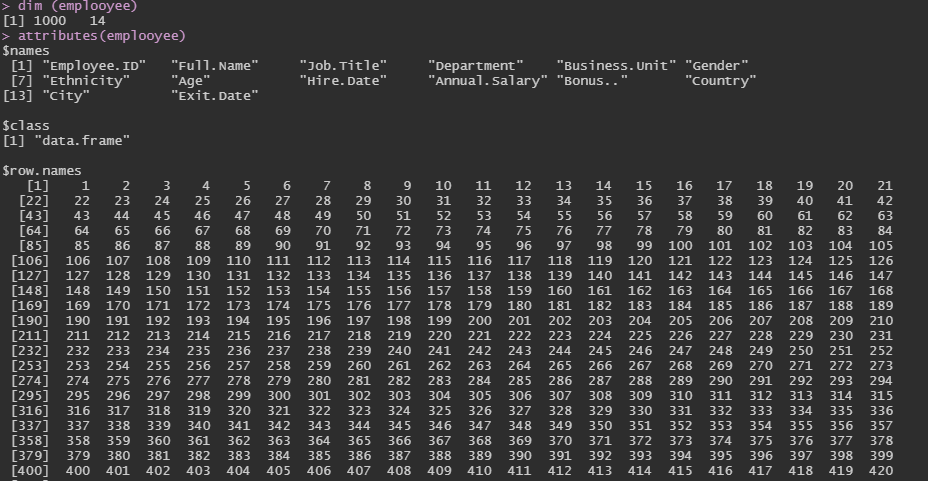
Và còn nhiều 3 file khác …

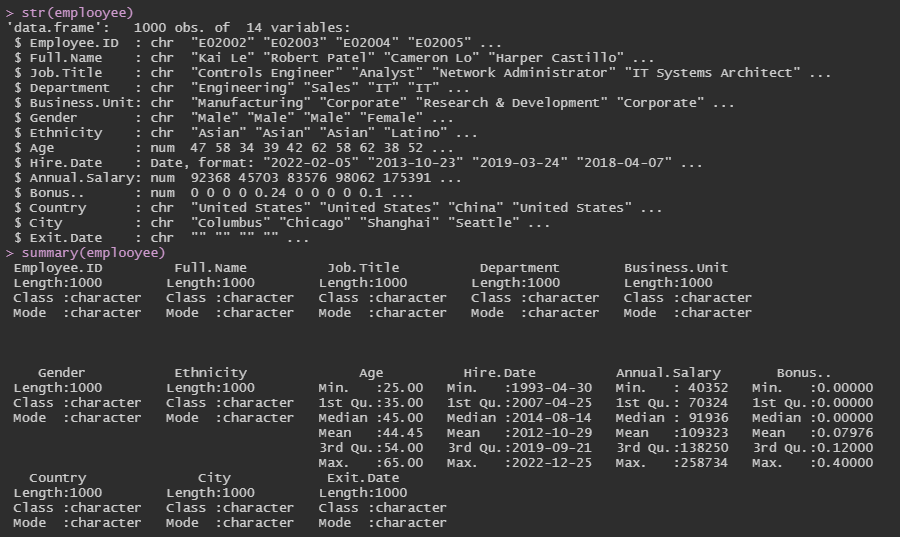
Bài 1.3



Kết quả

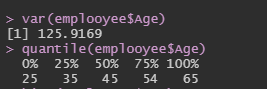






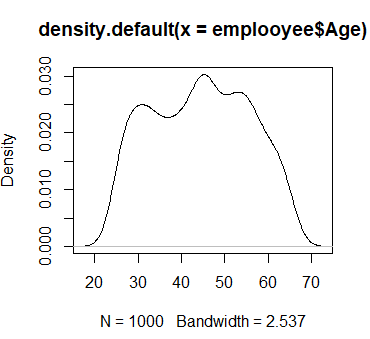
Phân tích biến Age

Có trung bình là 45, phân vị thứ 3 là 54, phương sai là 125.9169



Đồ thị hist của biến Age

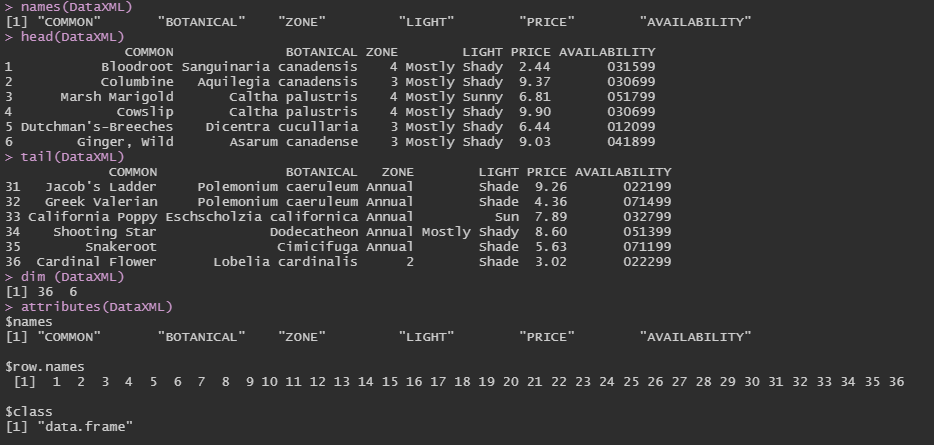


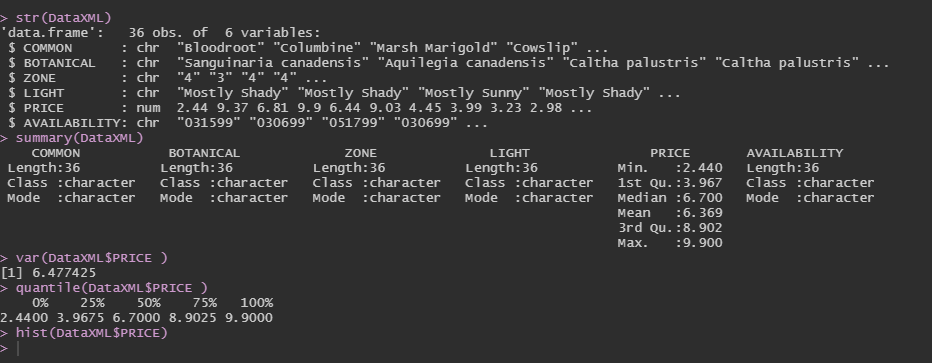


Bài 1.4

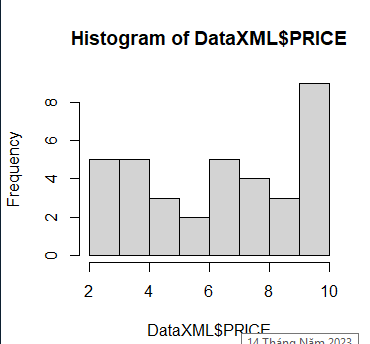


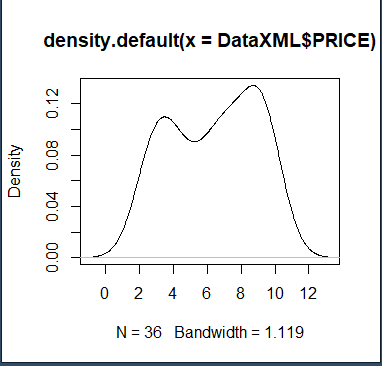
Kết quả



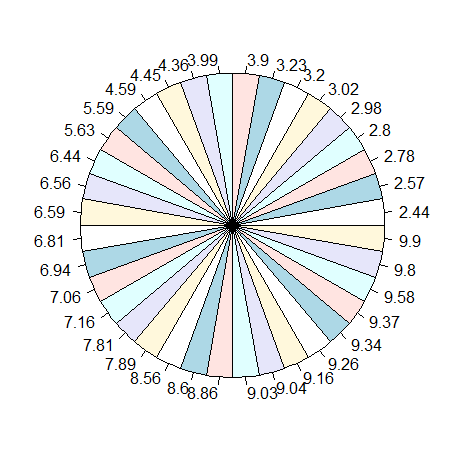


Đồ thị

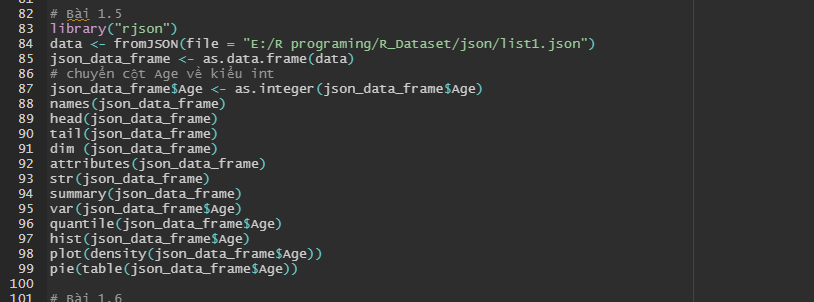




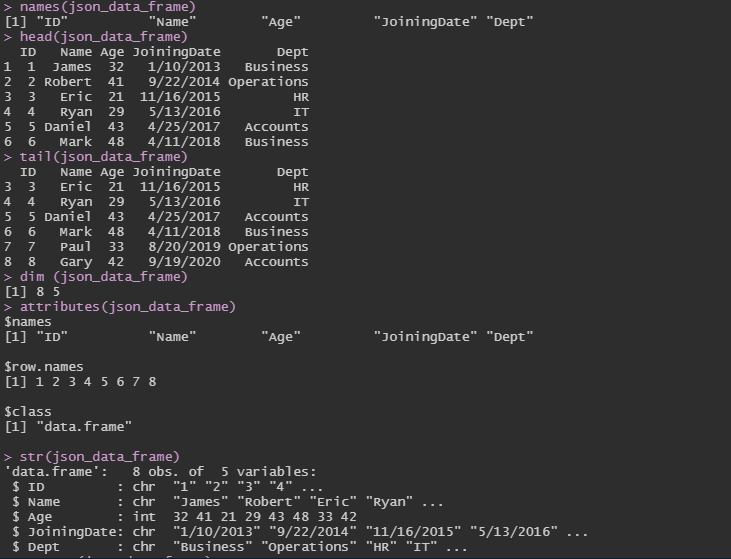
Đồ thị pie của cột Price

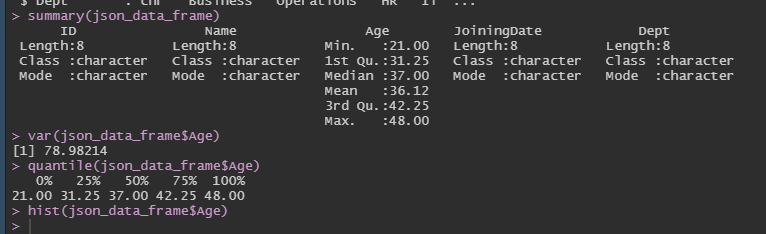


Bài 1.5

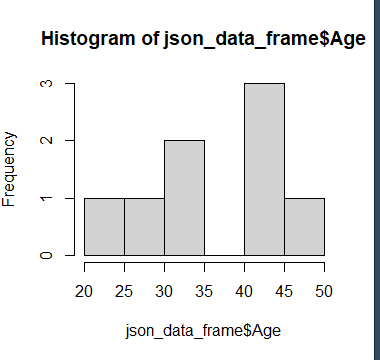


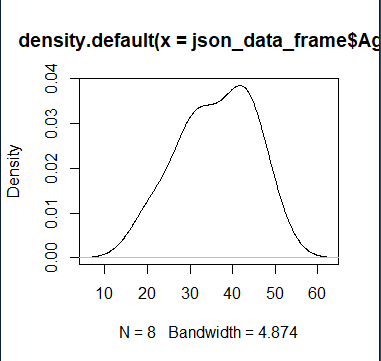
Kết quả

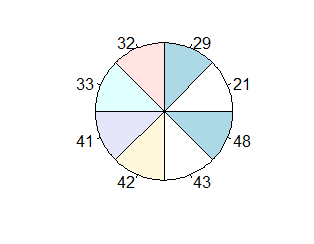




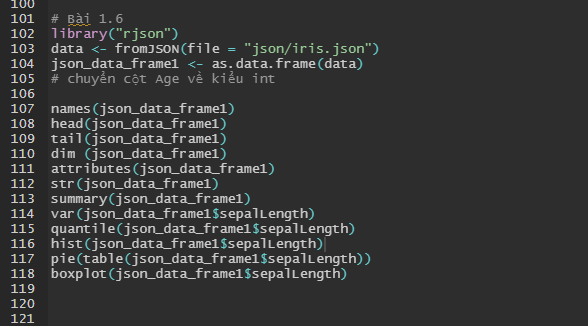
Biểu đồ của cột Age





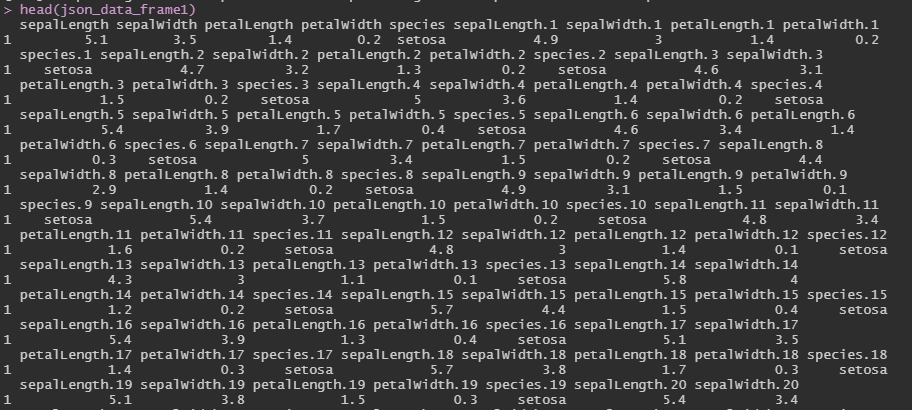


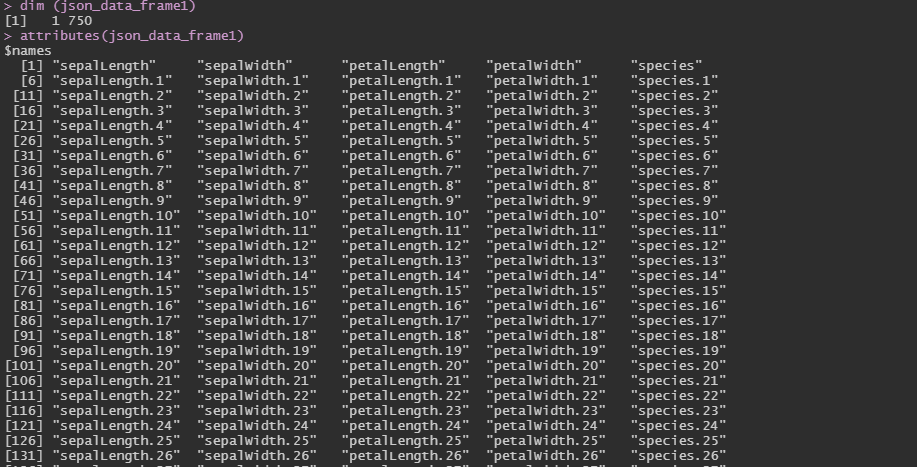
Bài 1.6



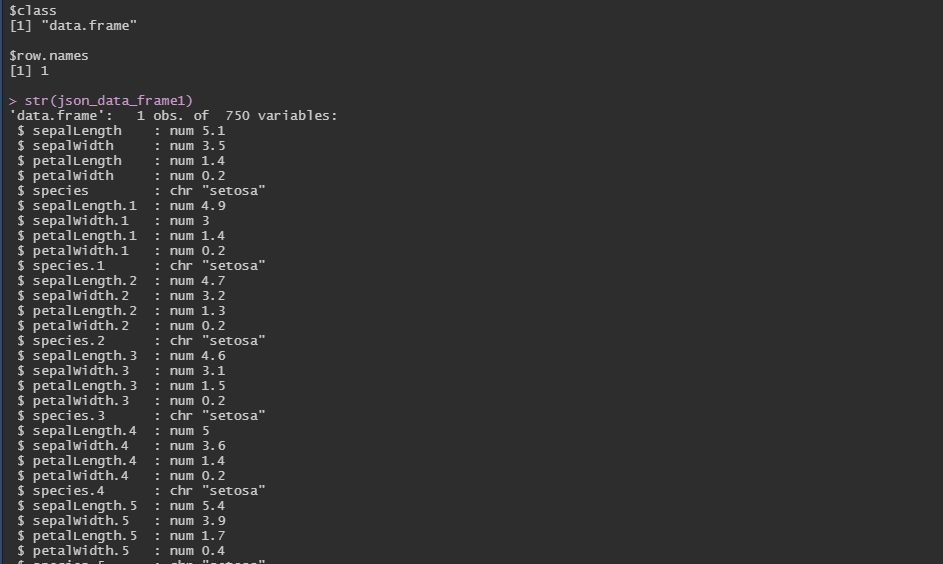
Kết quả



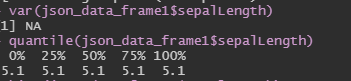




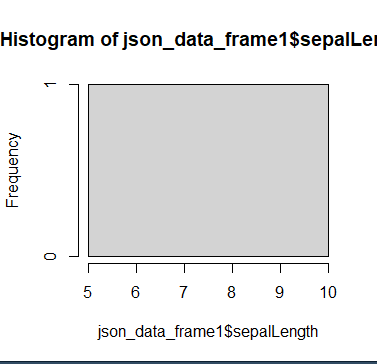
Nó có 1 dòng và 750 cột

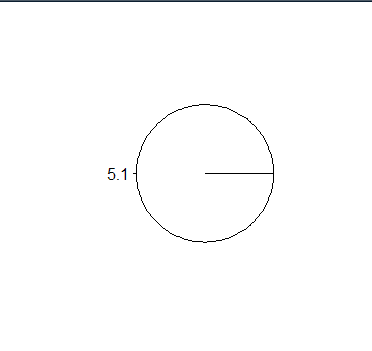




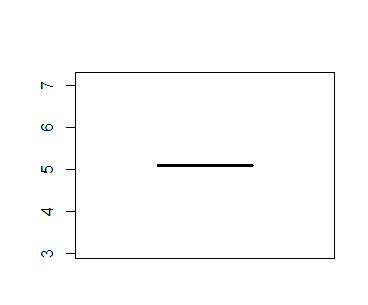


Biểu đồ:

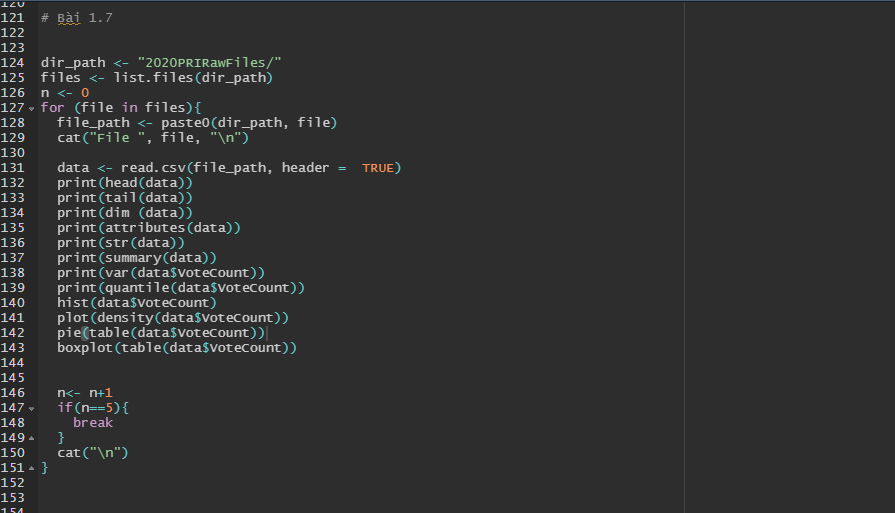




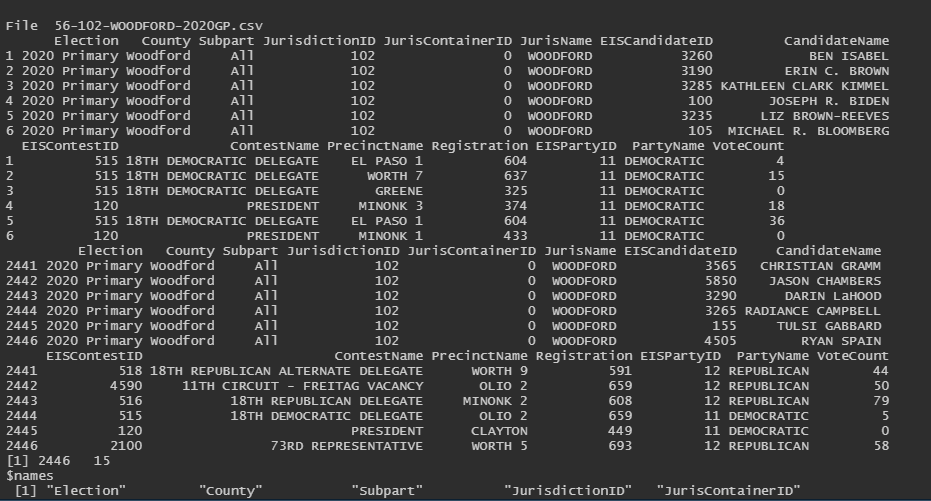
boxplot

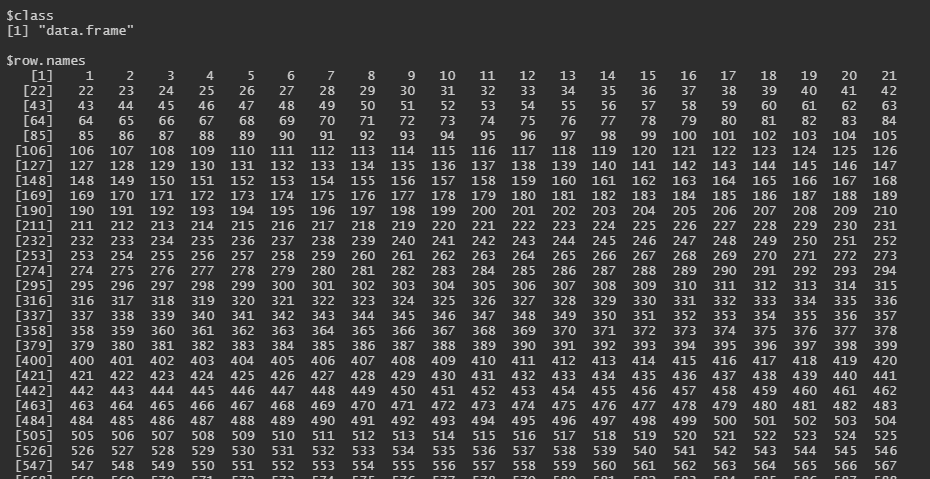


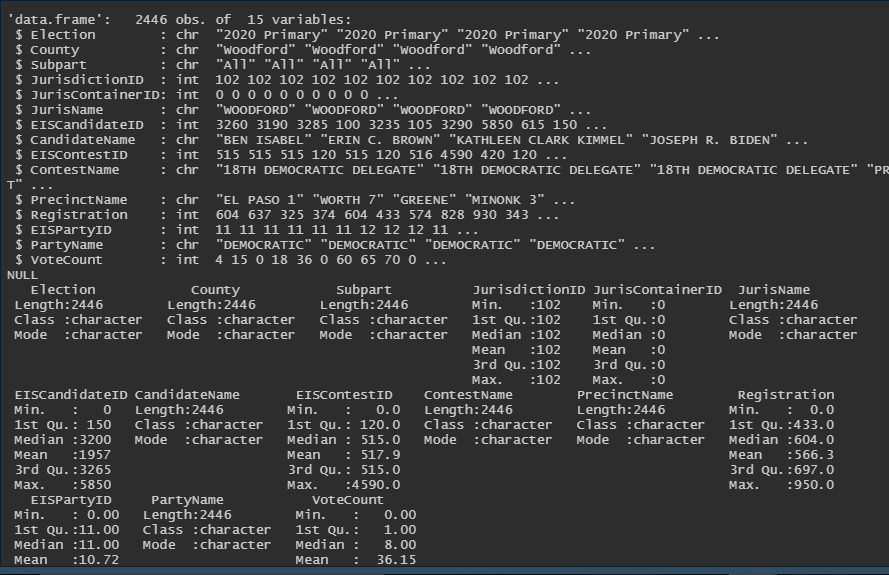
Bài 1.7

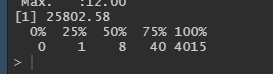


Kết quả:

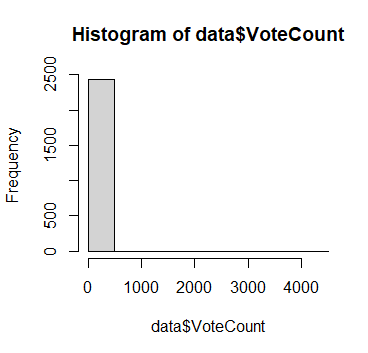


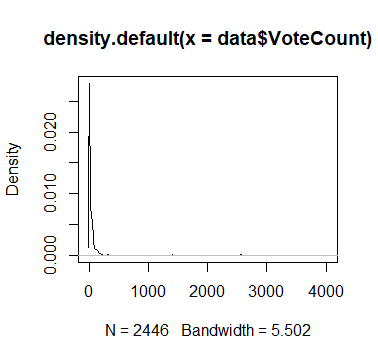


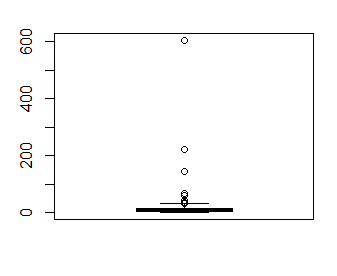
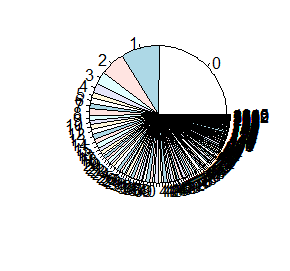




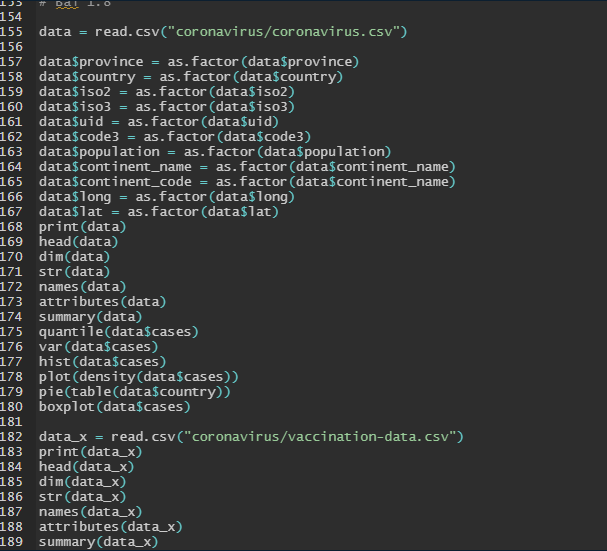
Biểu đồ gôm hist , phân phối, pie, boxplot



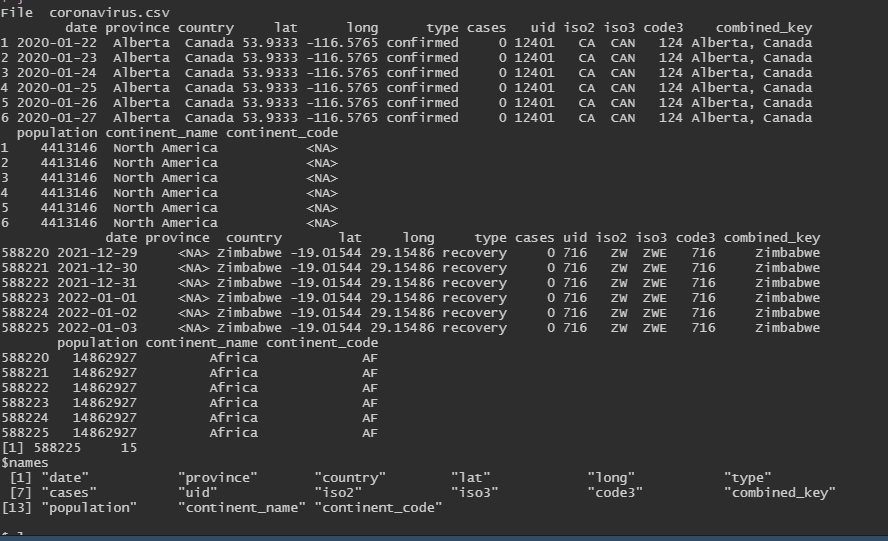


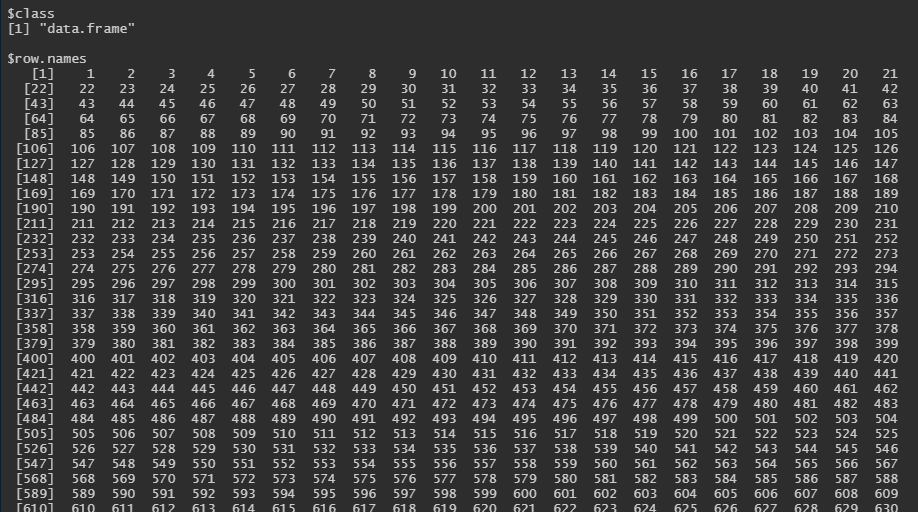


Bài 1.8

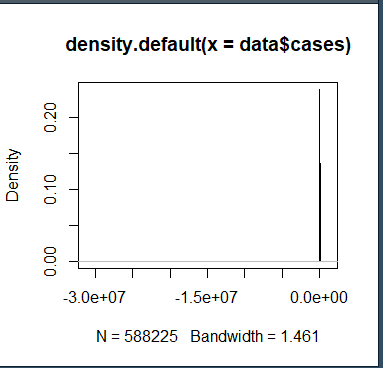
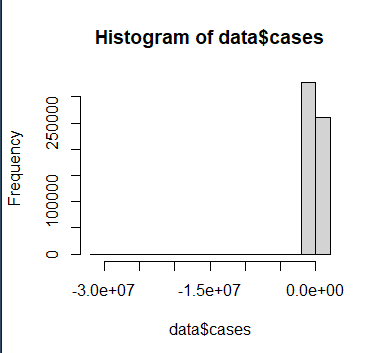


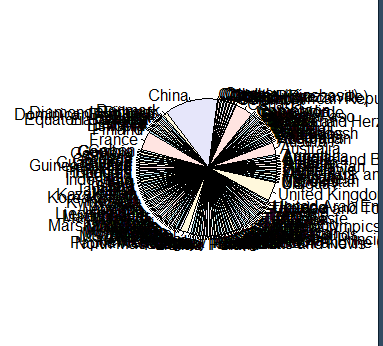
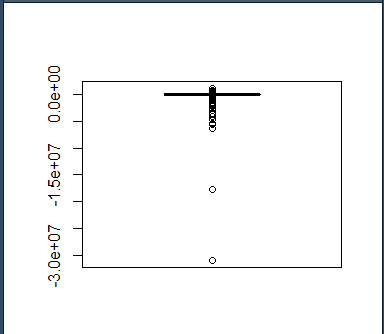
KẾT QUẢ



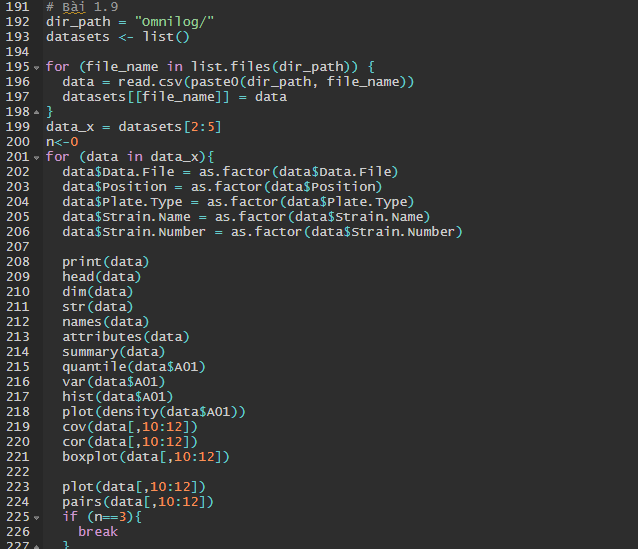


Biểu đồ

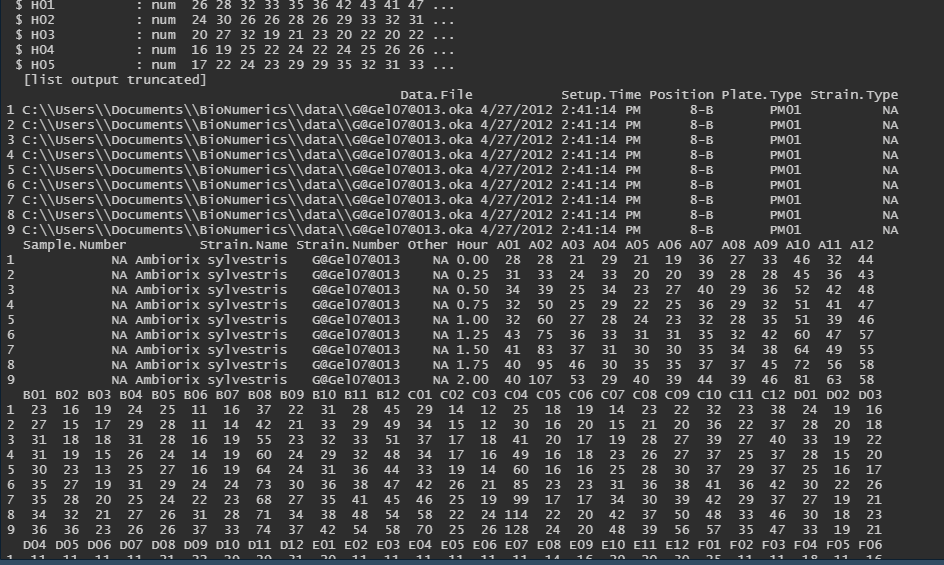


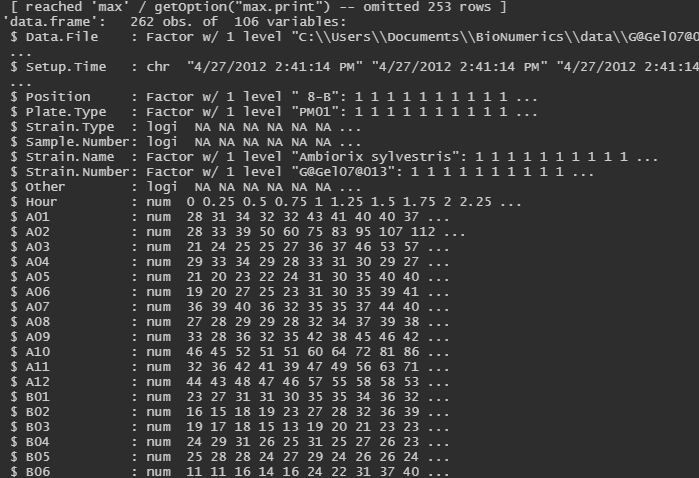
 

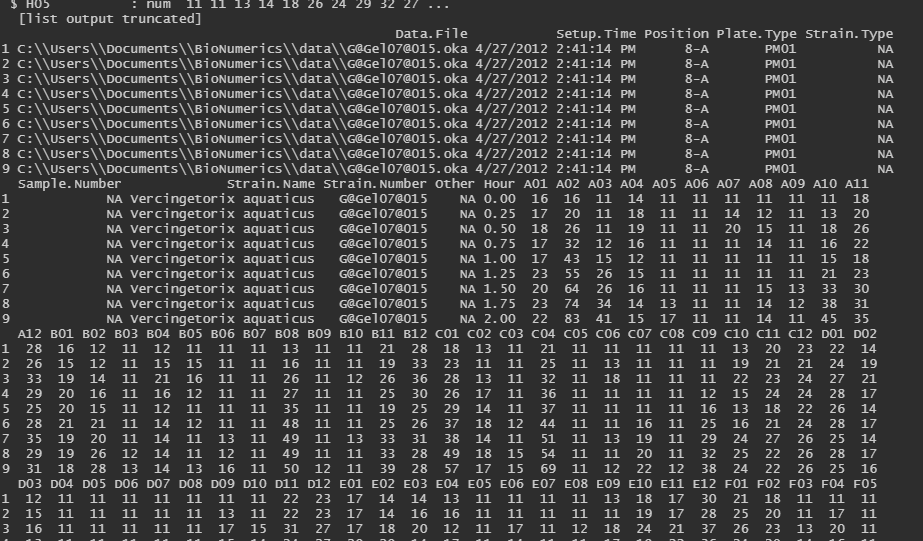
Bài 1.9



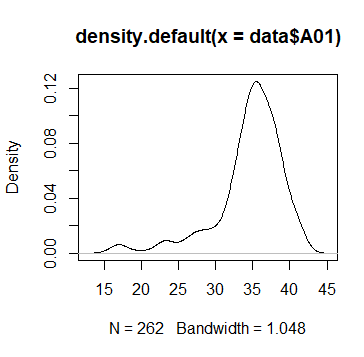
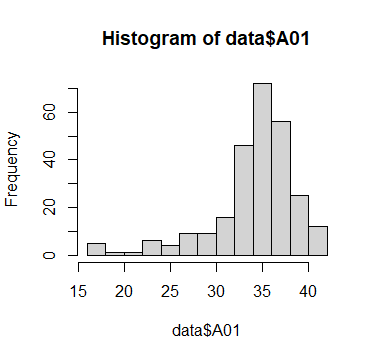
Kết quả

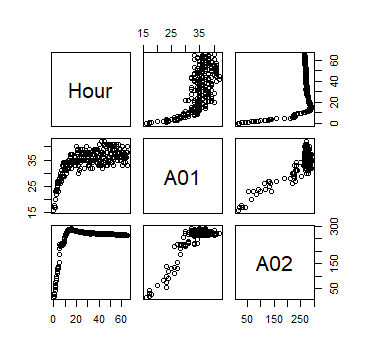
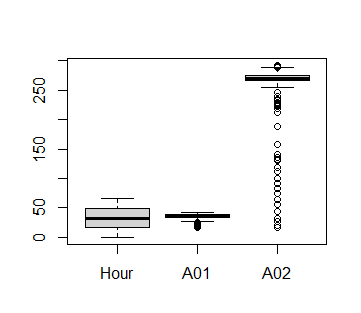






Biểu đồ

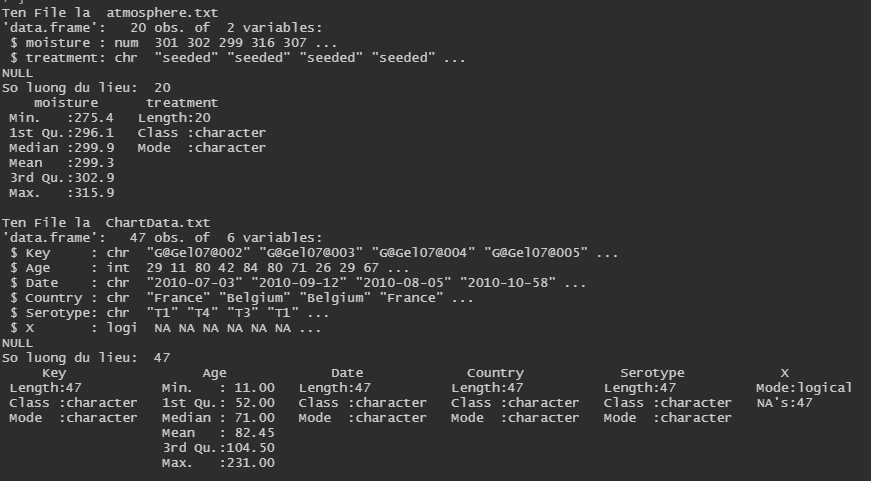


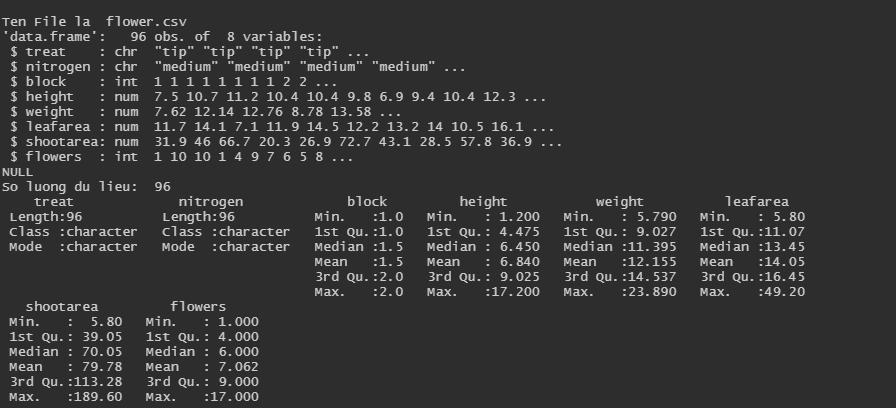


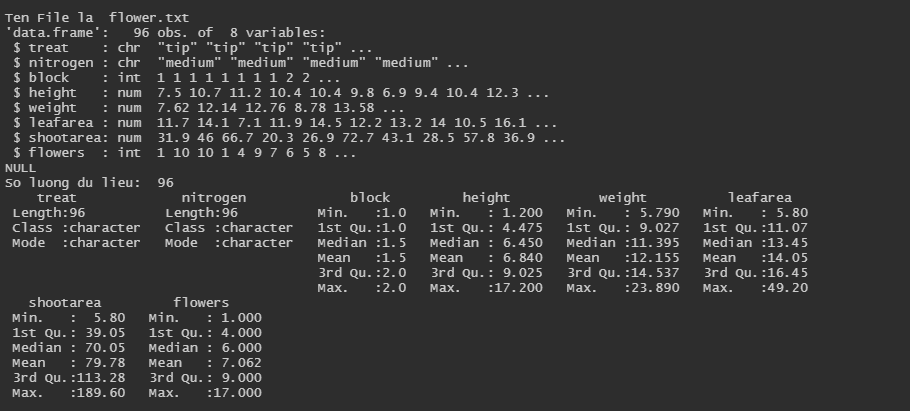
Bài 1.10

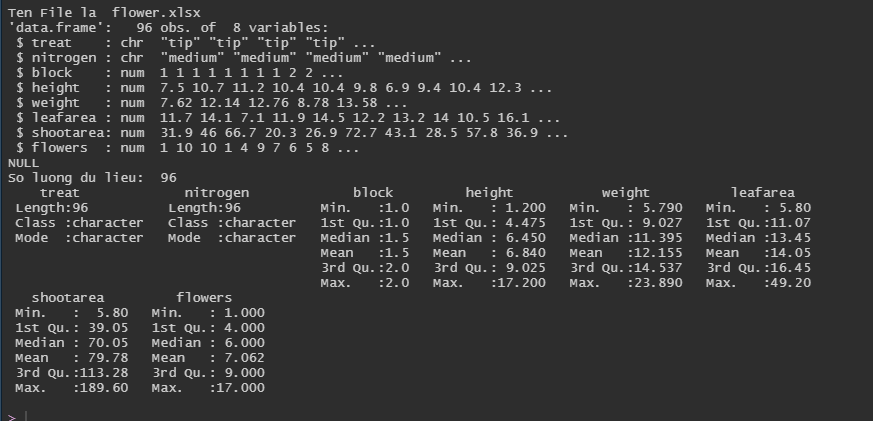


Kết quả



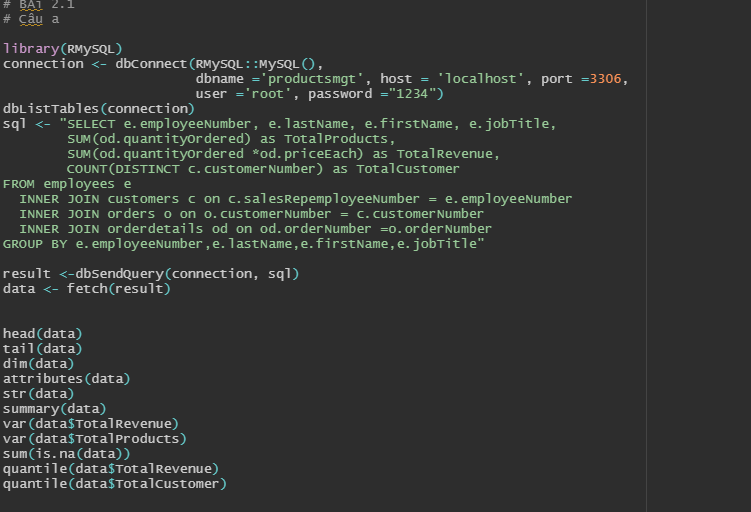


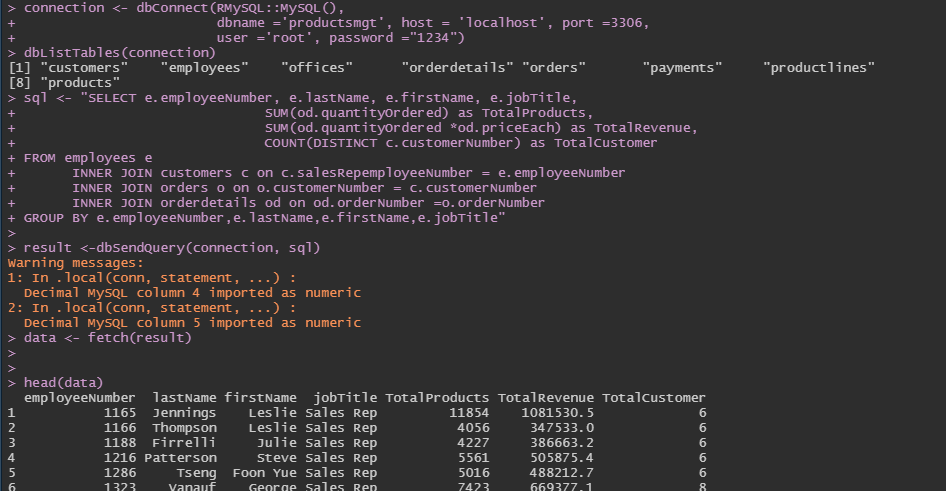


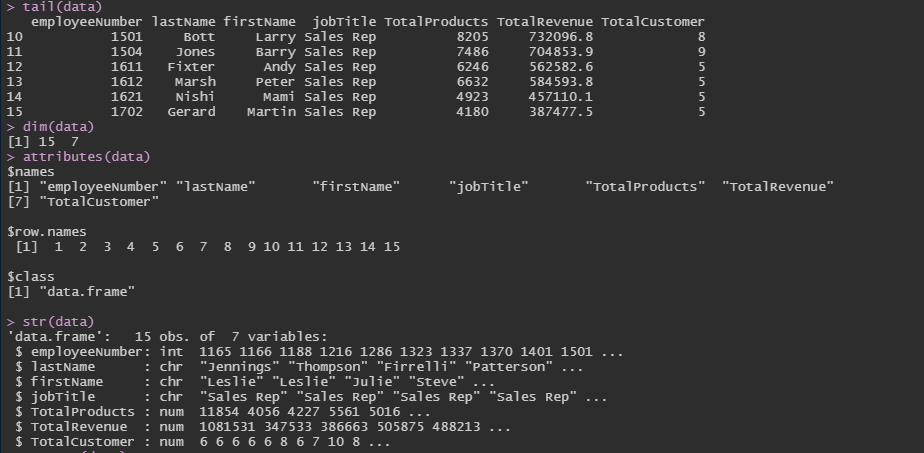


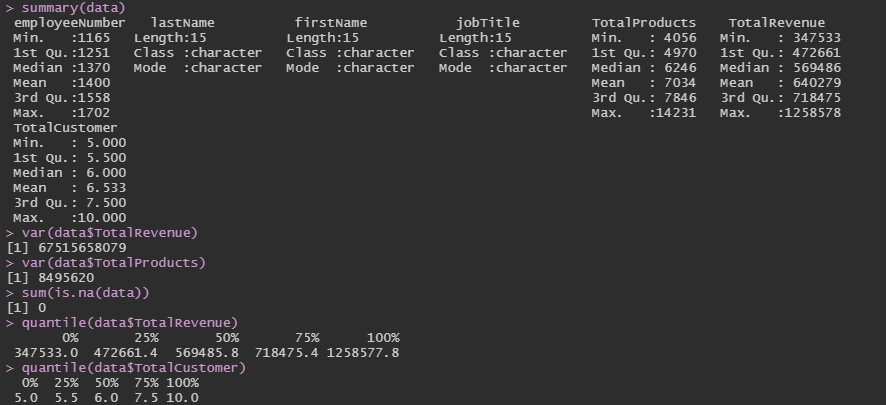
Câu 2.1

a.

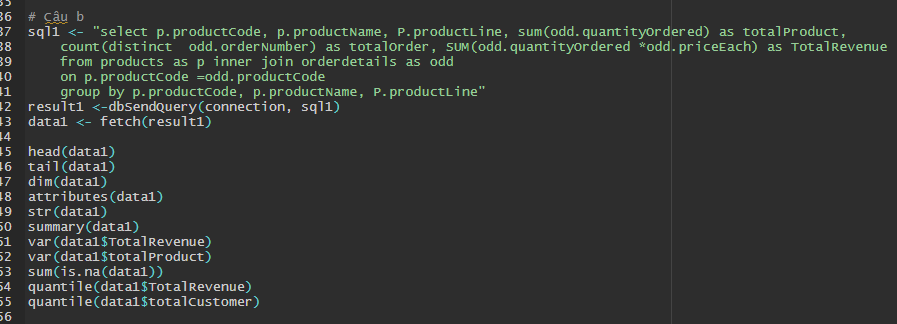
  
Kết quả



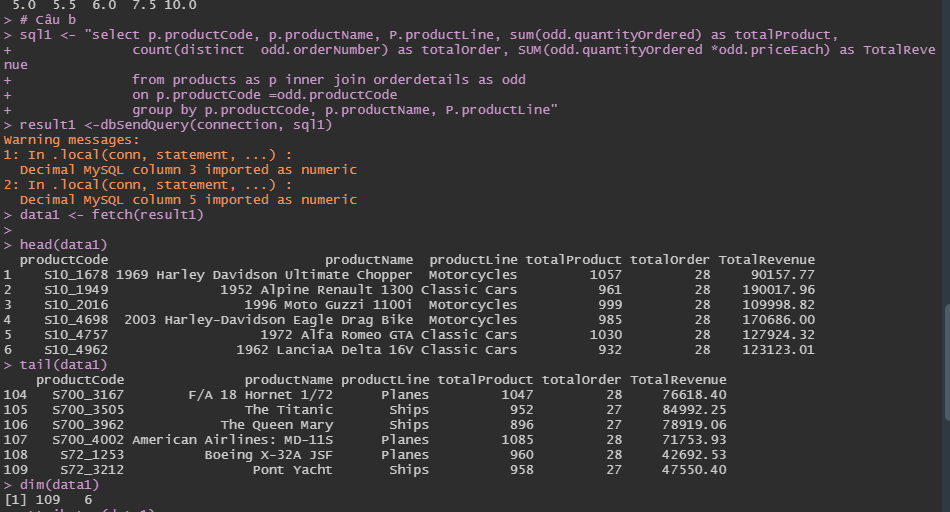


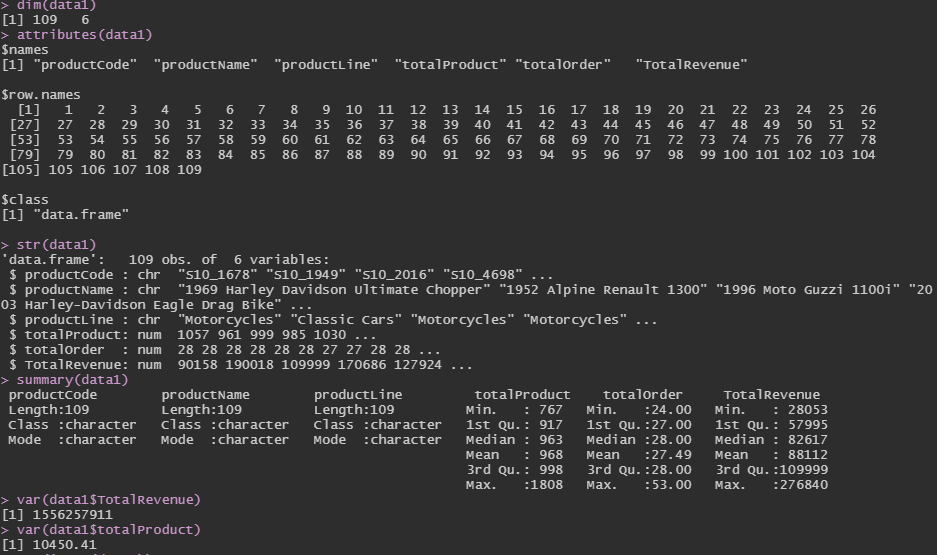


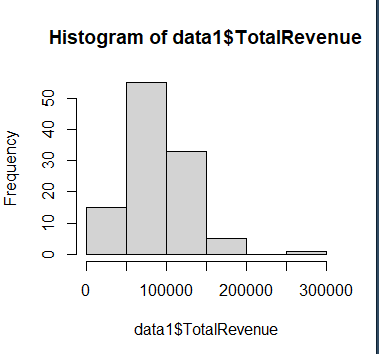
b.



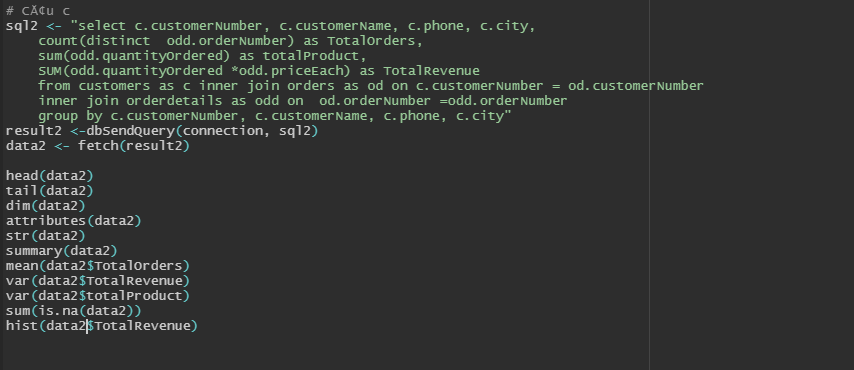
Kết quả:



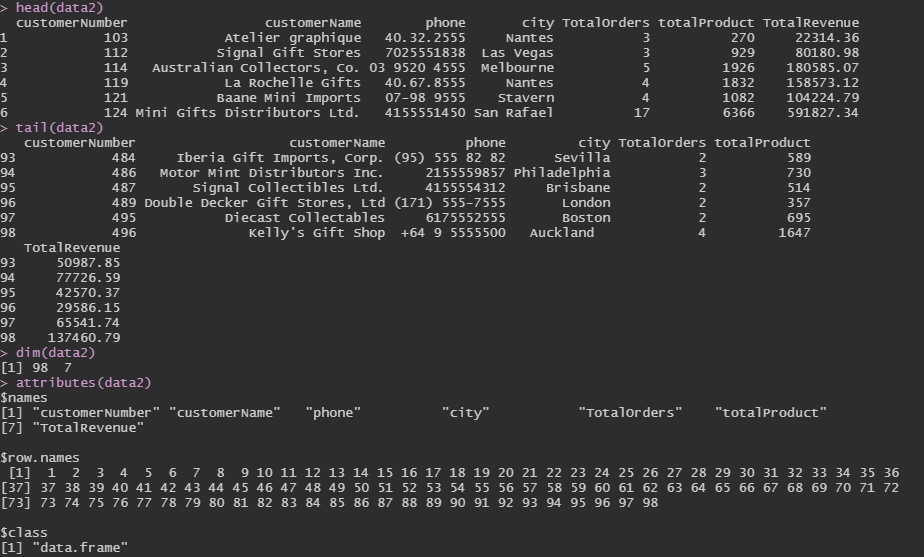


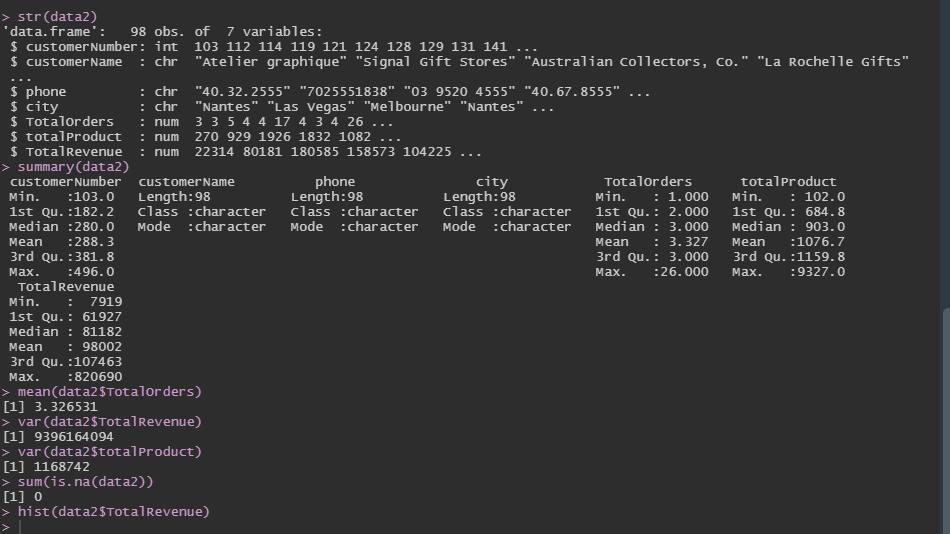


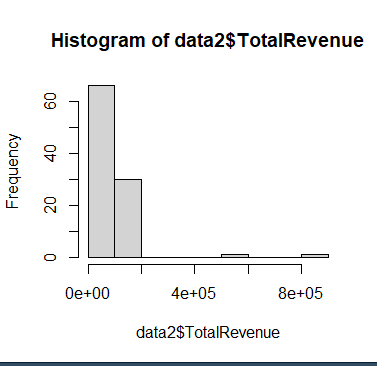
c.



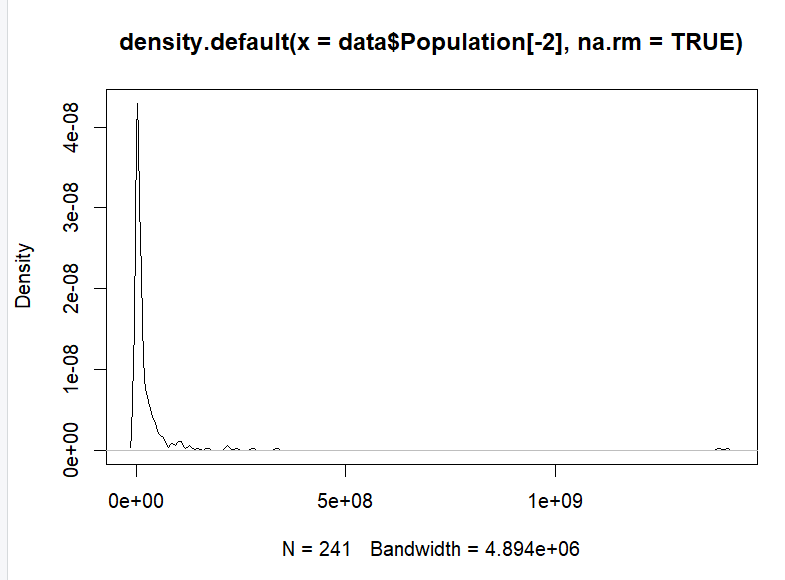
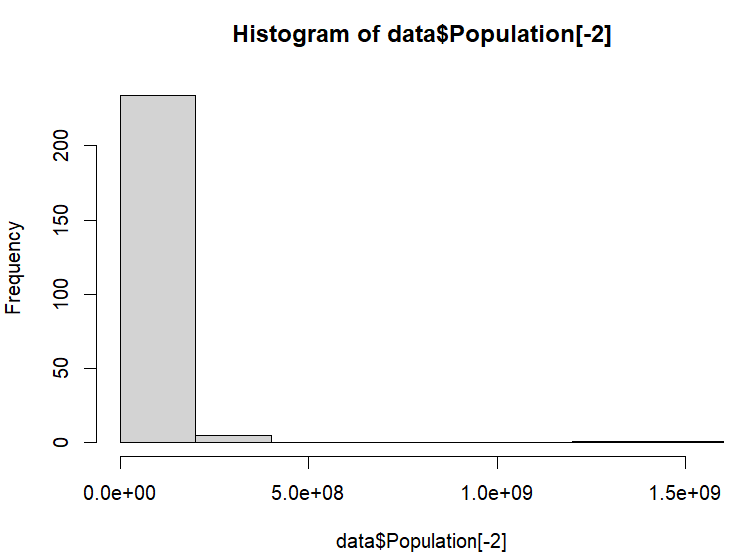
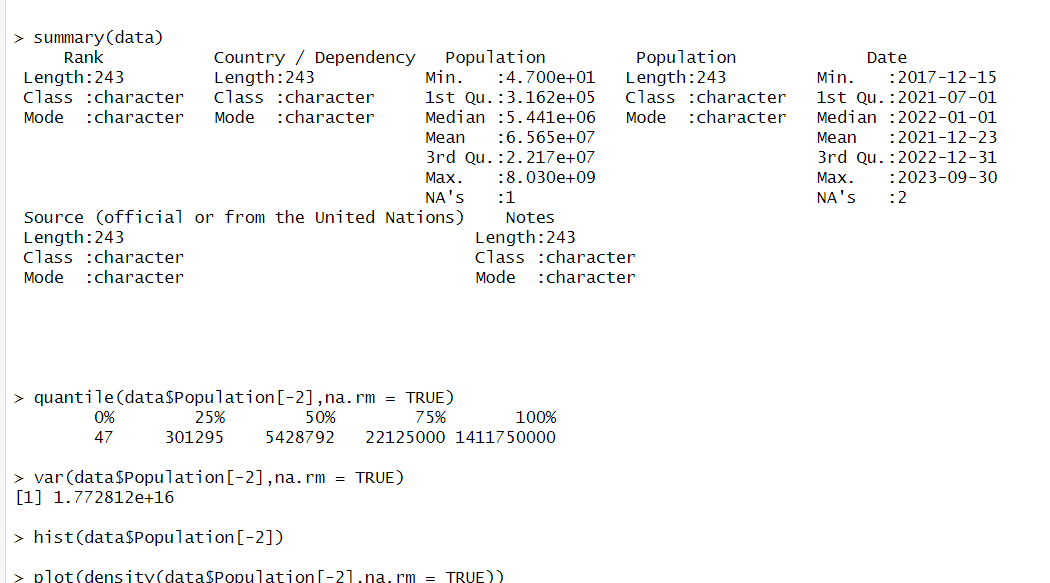
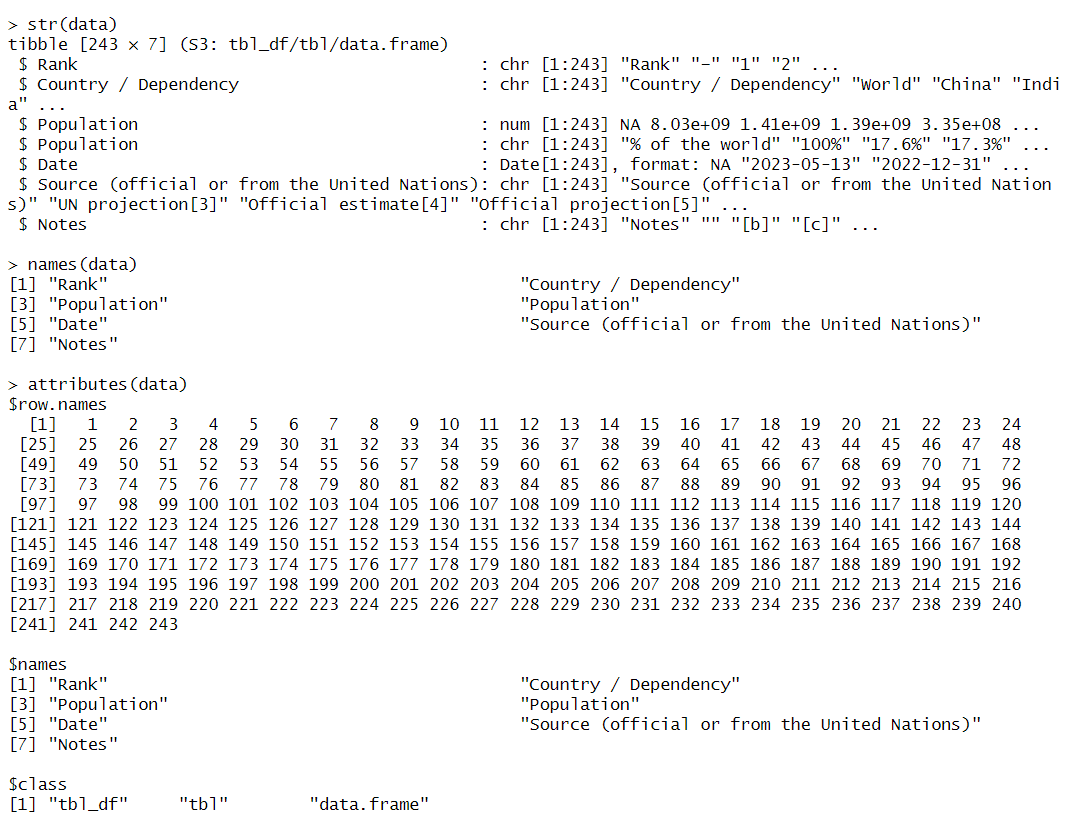
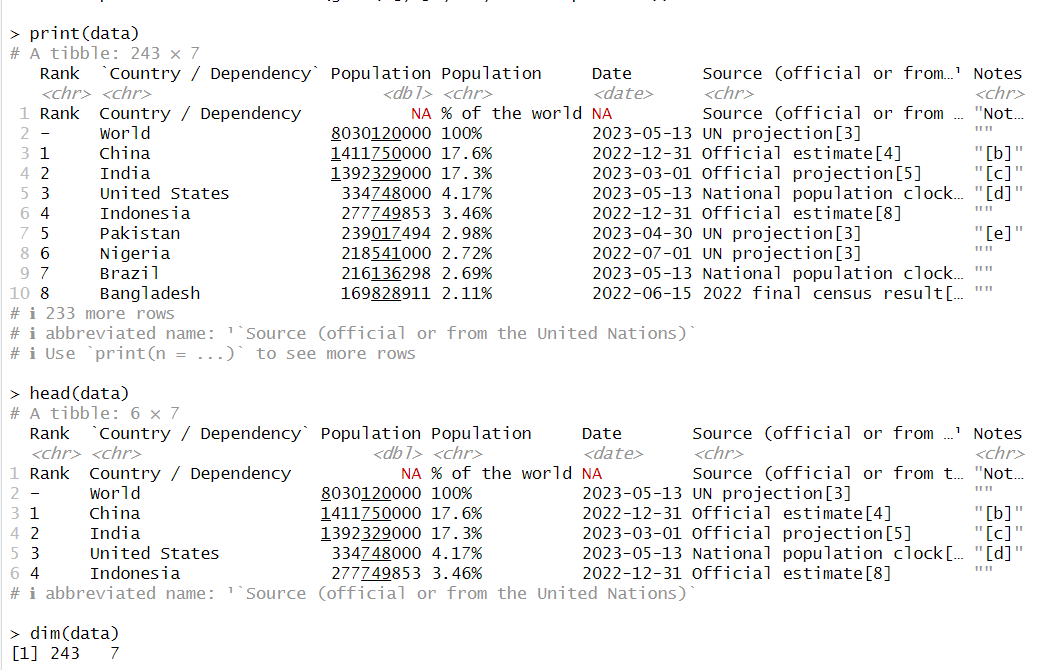
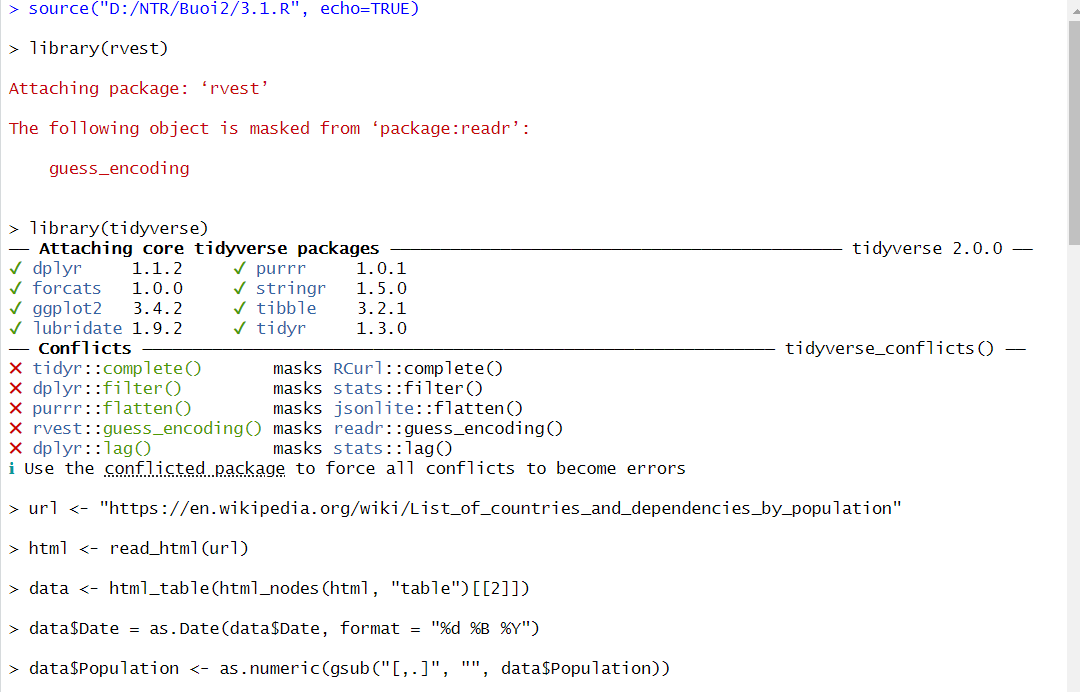
Kết quả



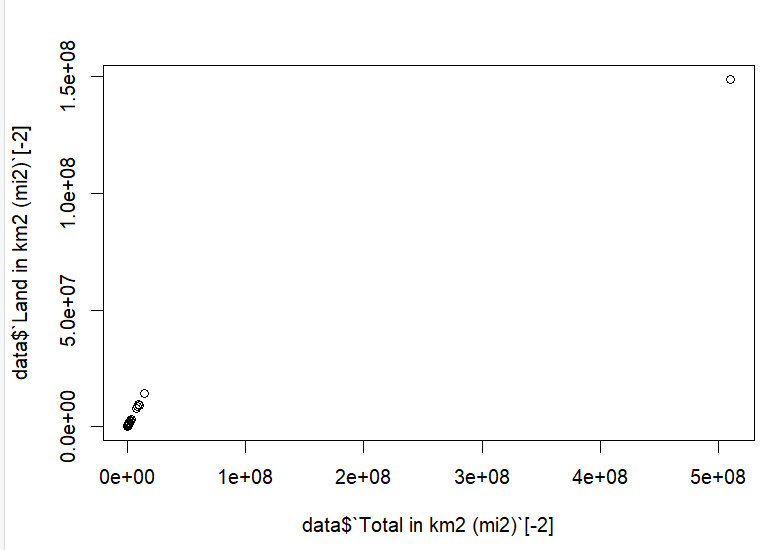
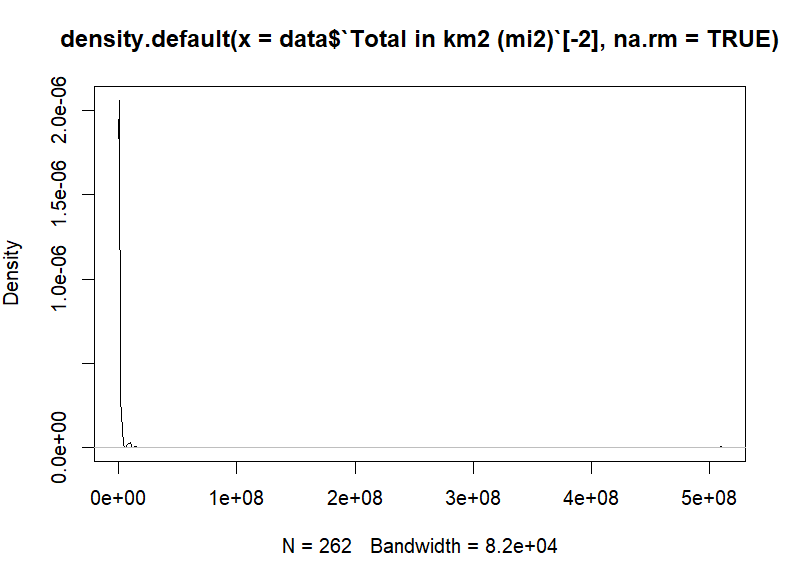
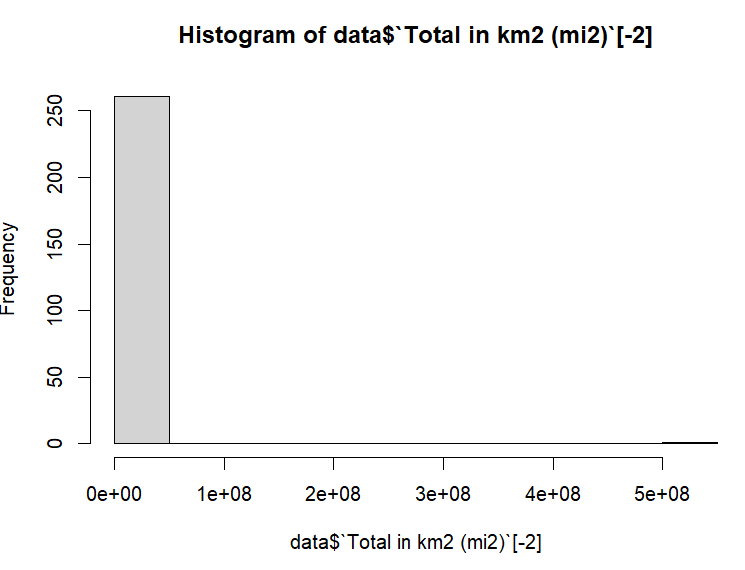
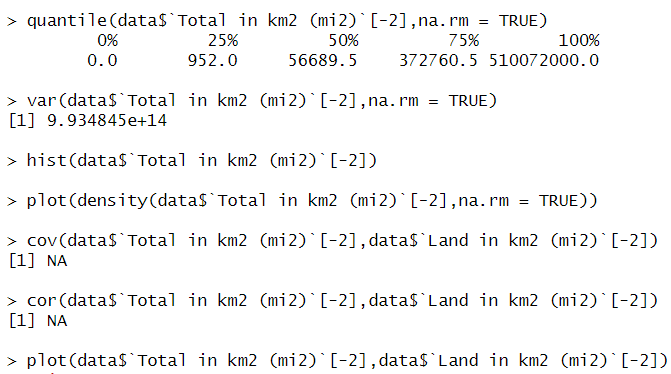
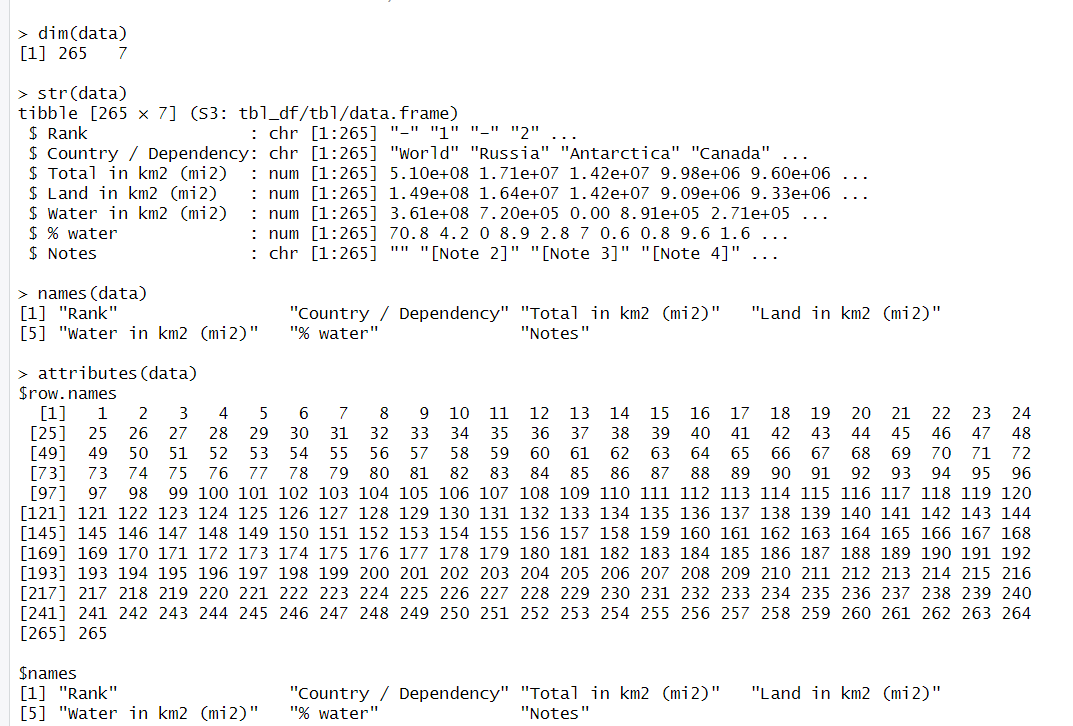
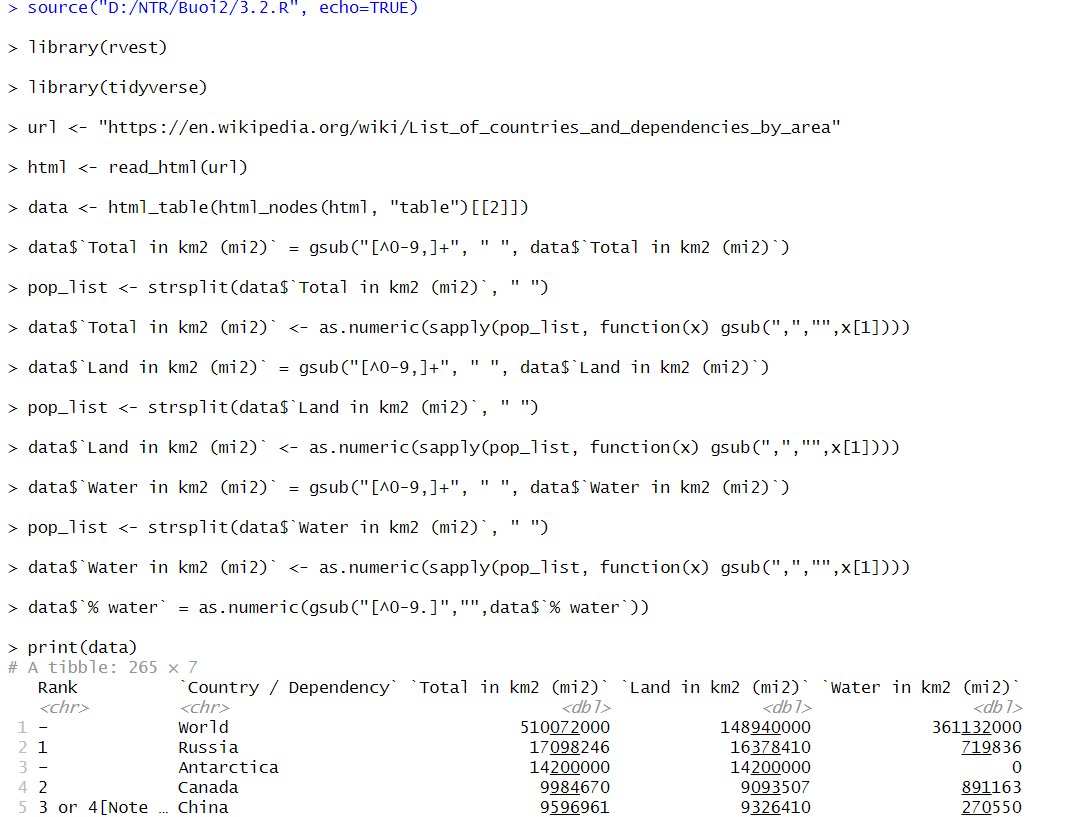




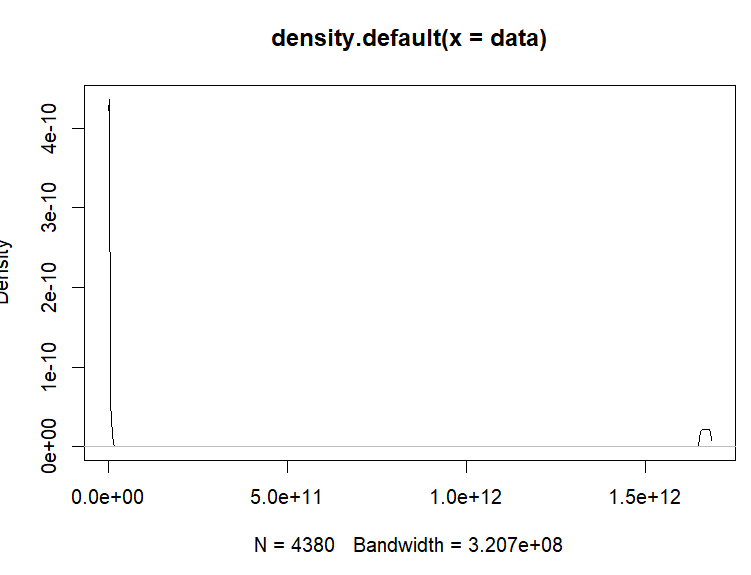
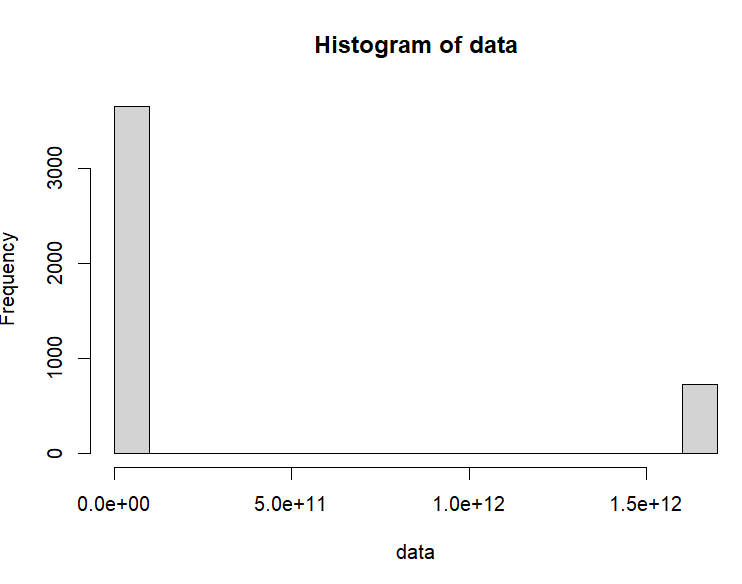
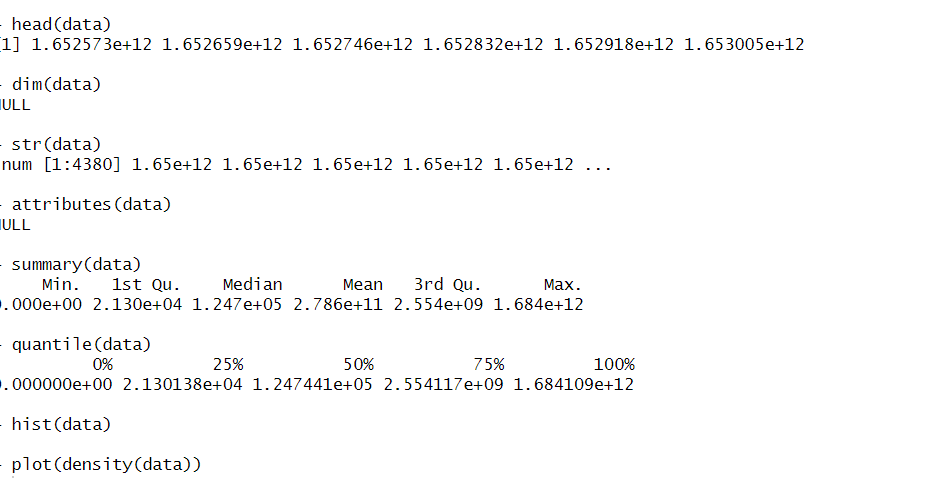
3.1



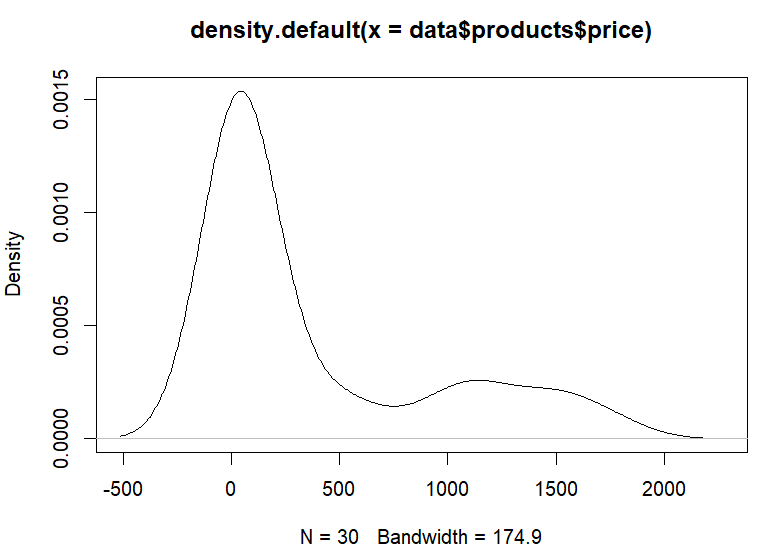
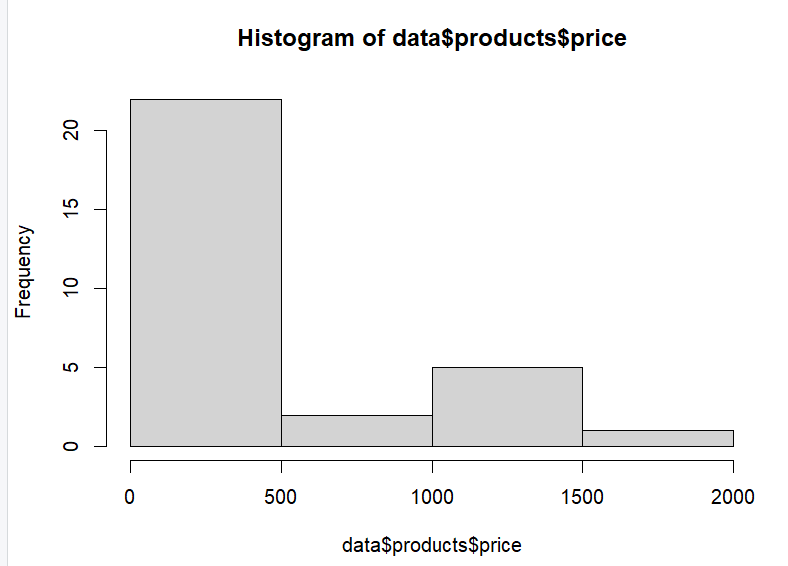
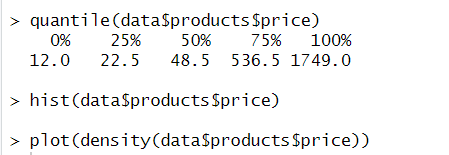
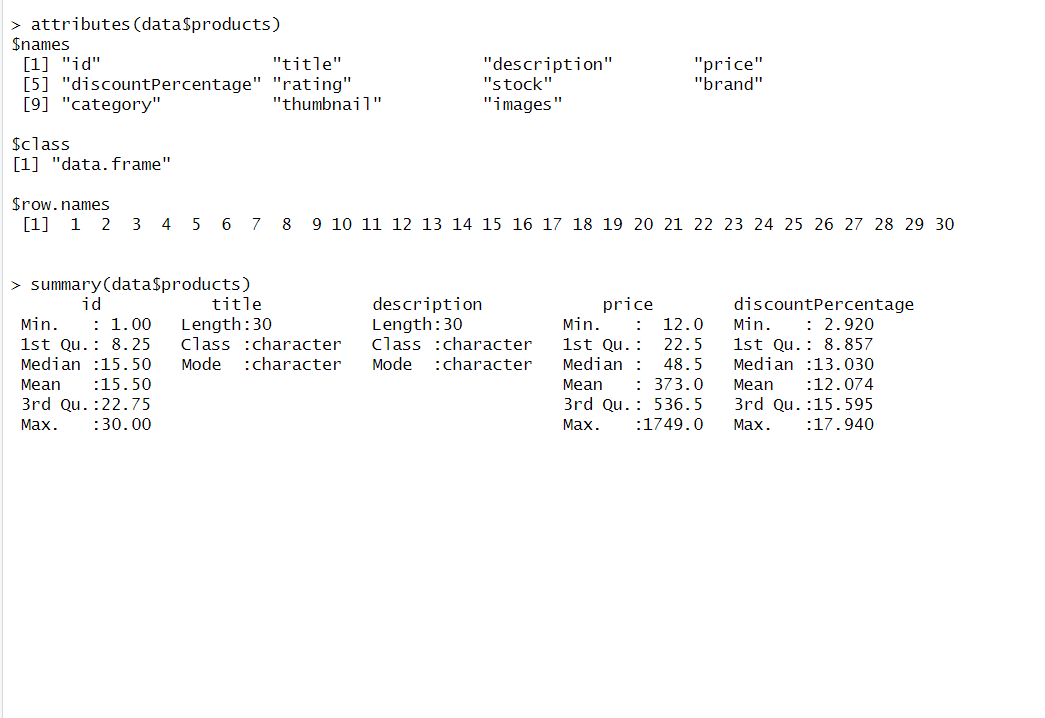
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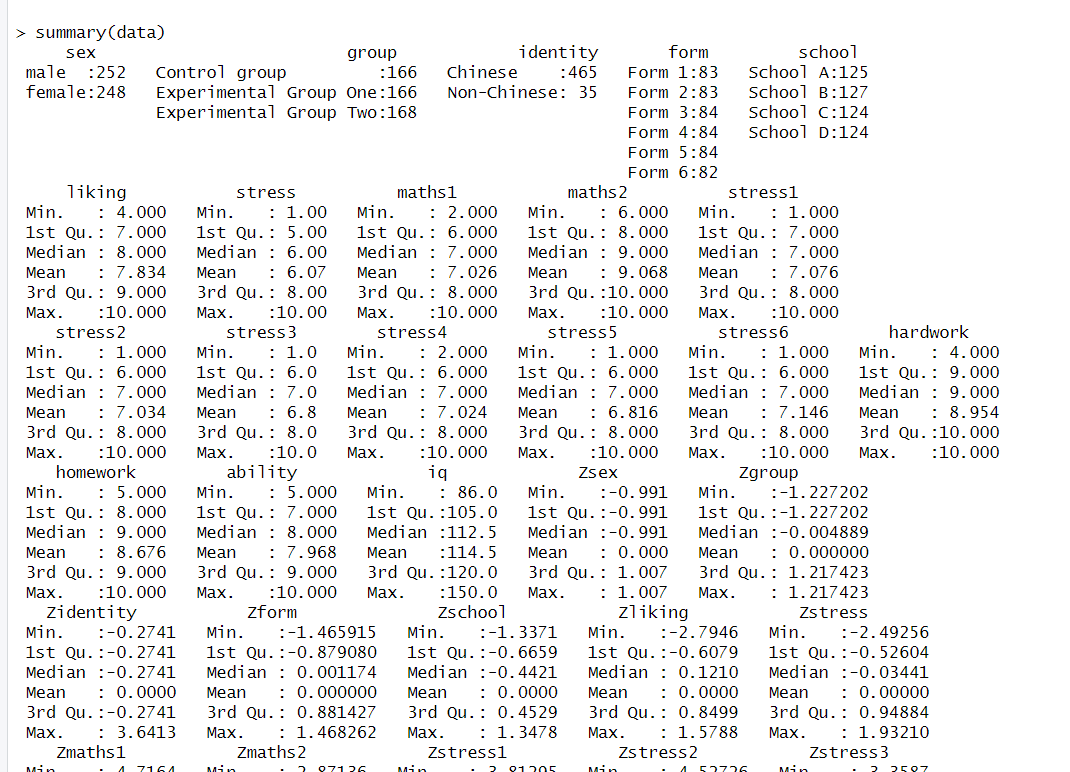
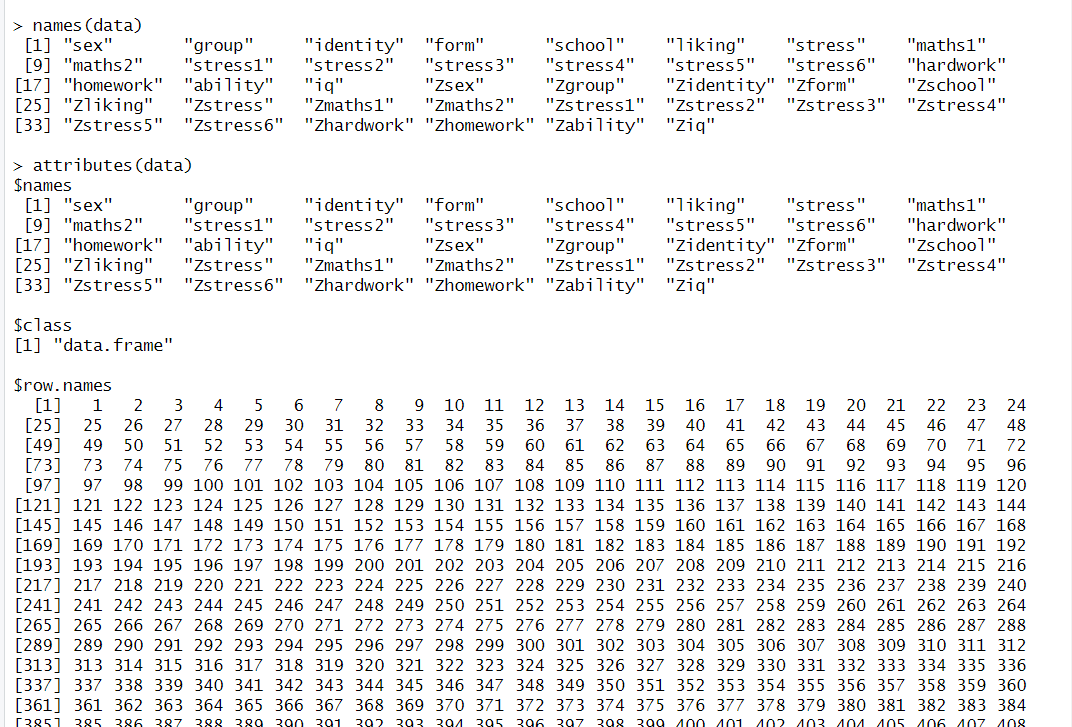
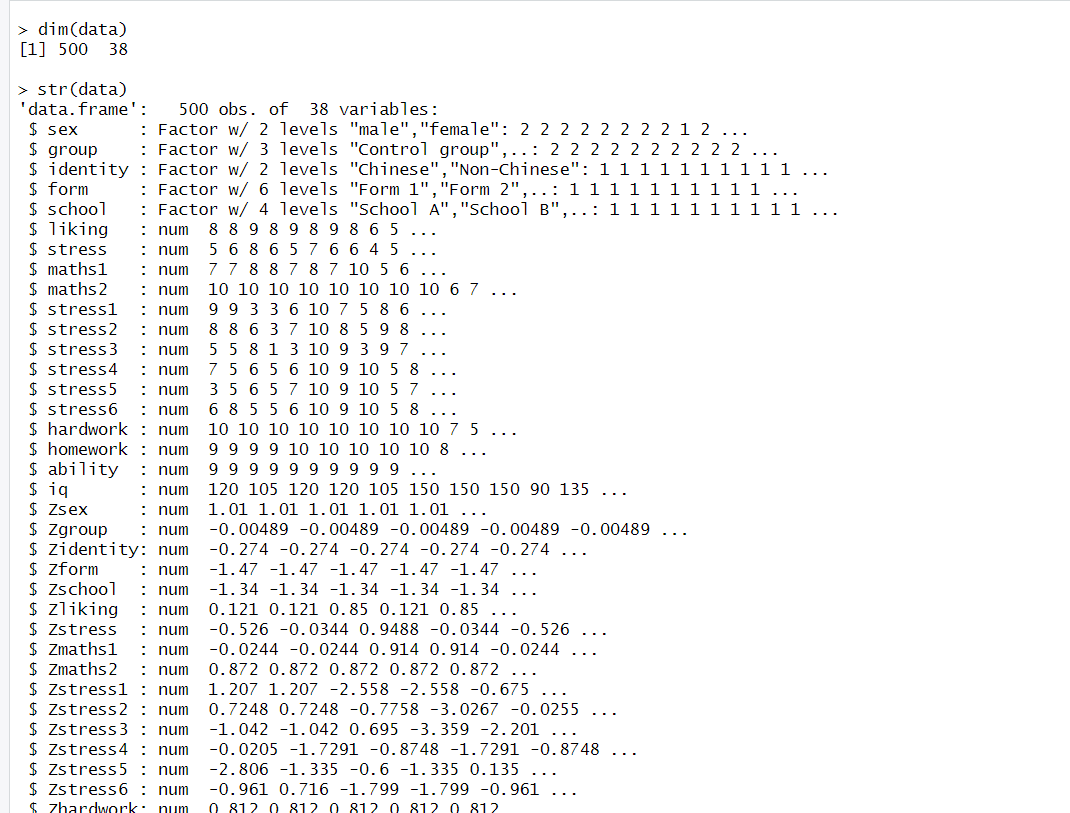
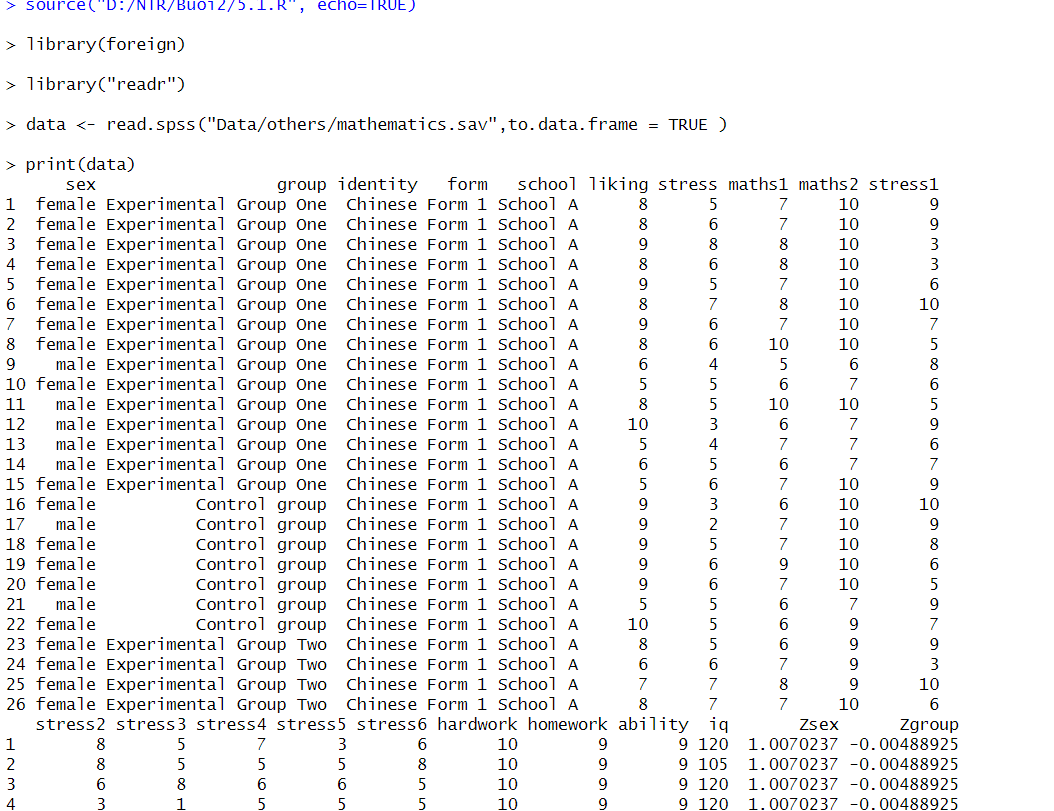
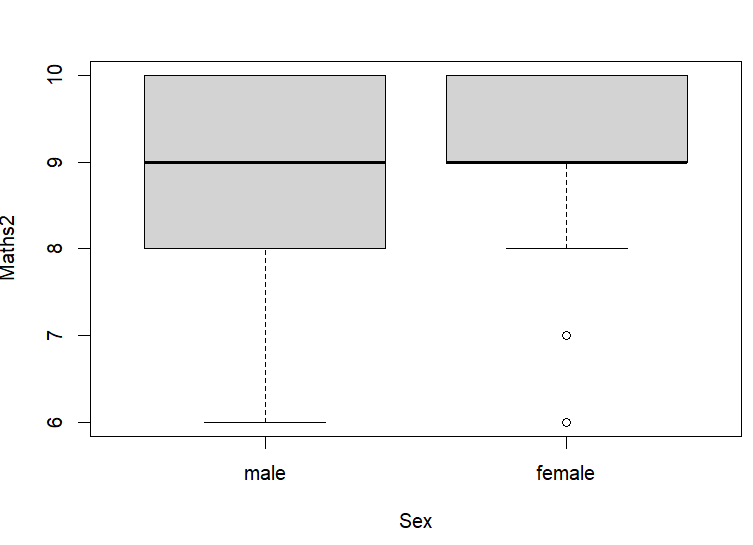
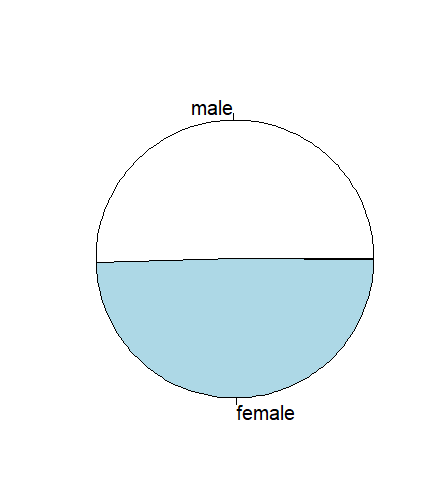
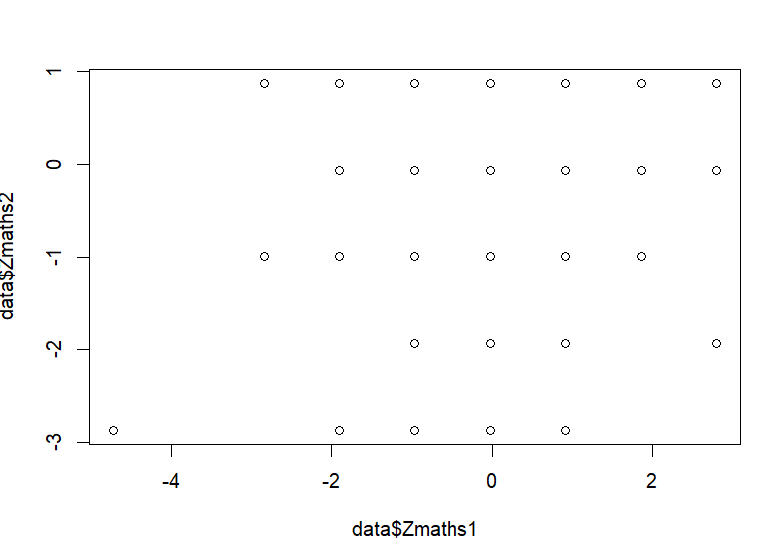
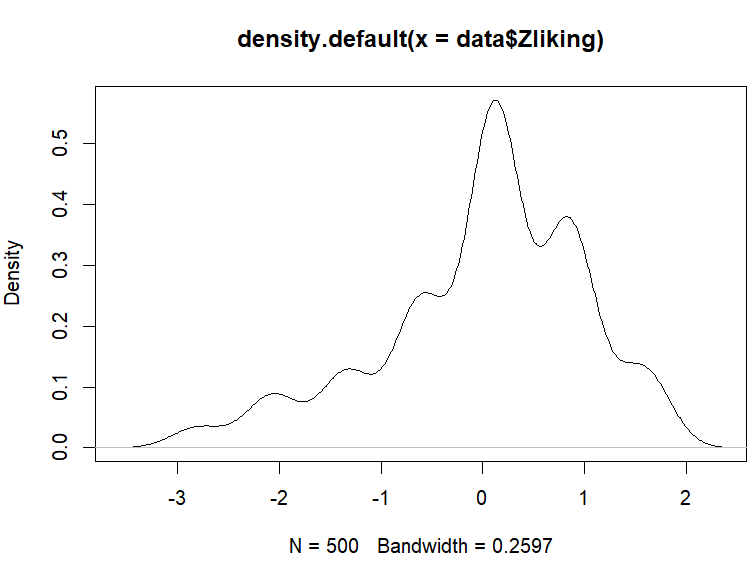
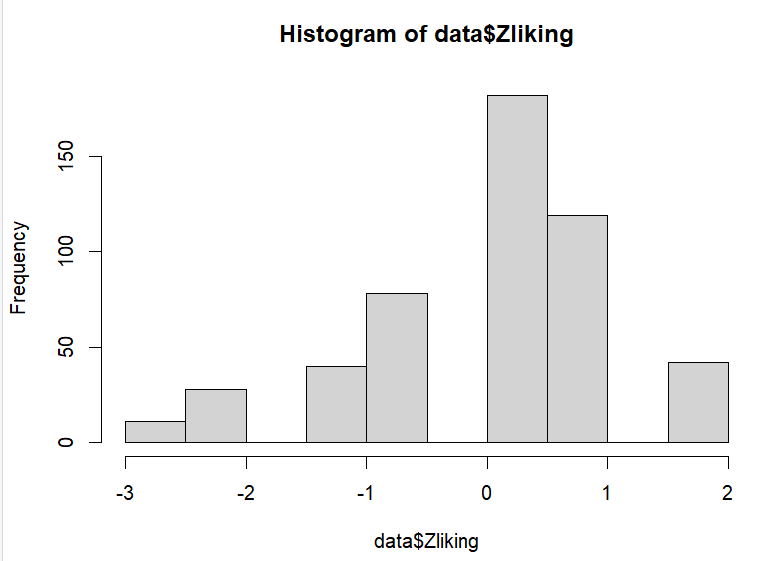
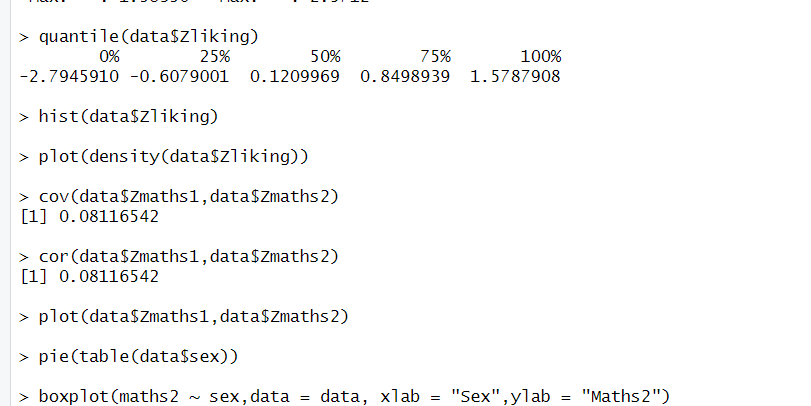
4.1



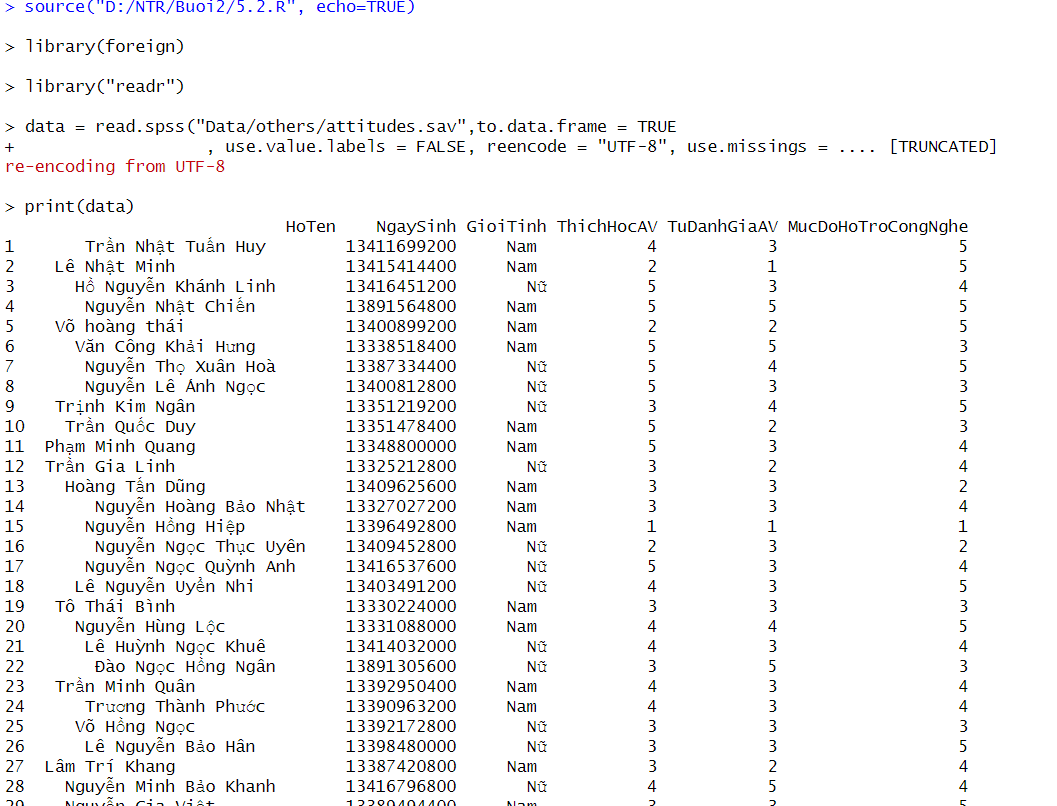
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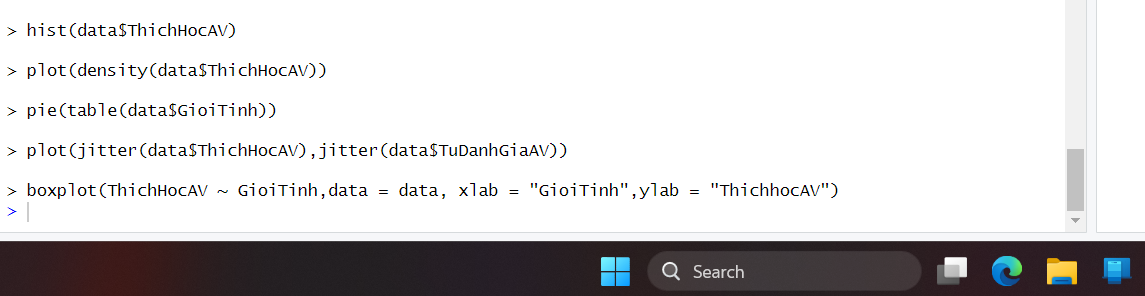
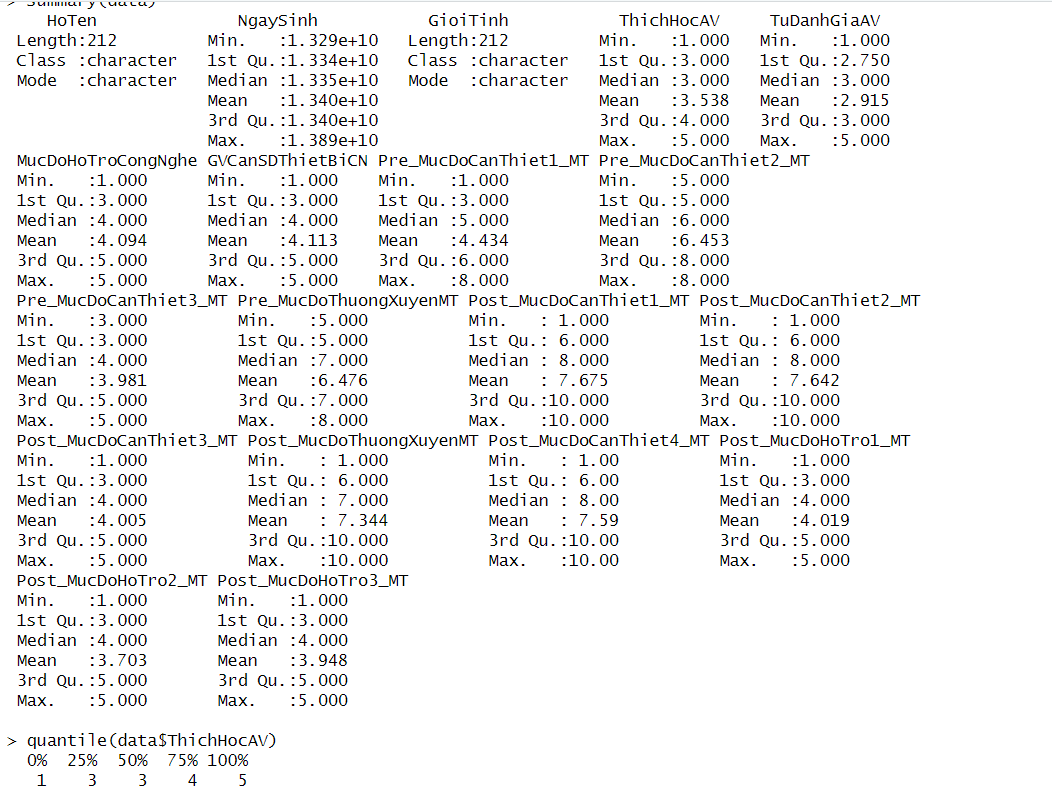
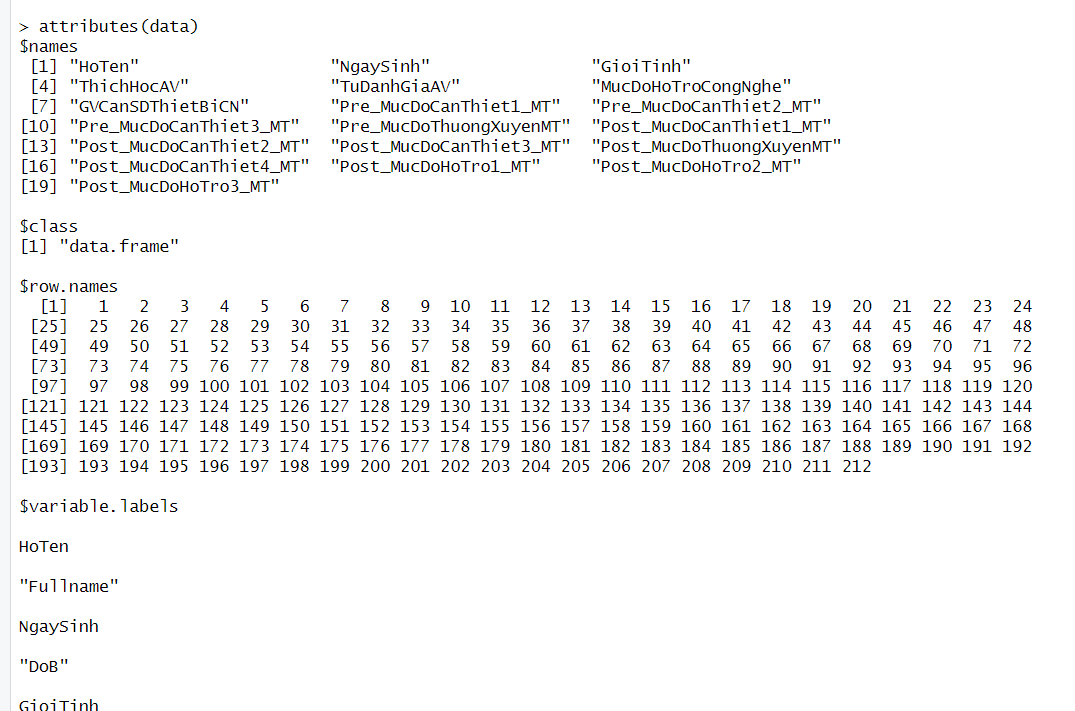


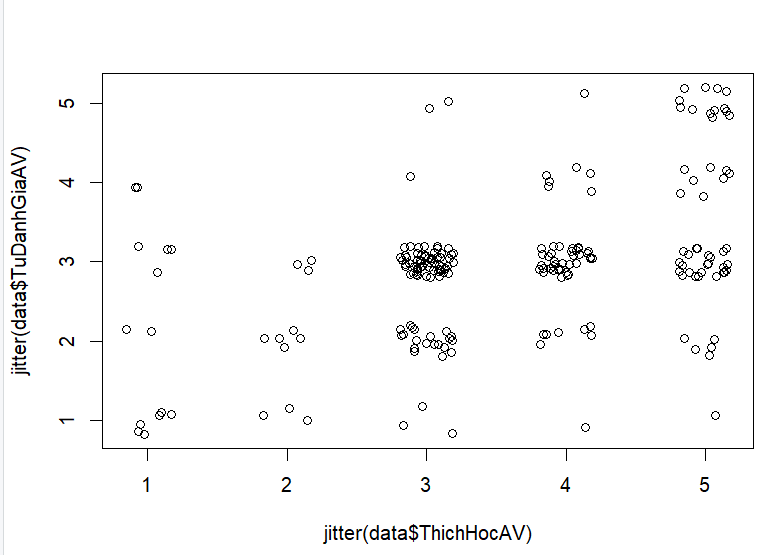
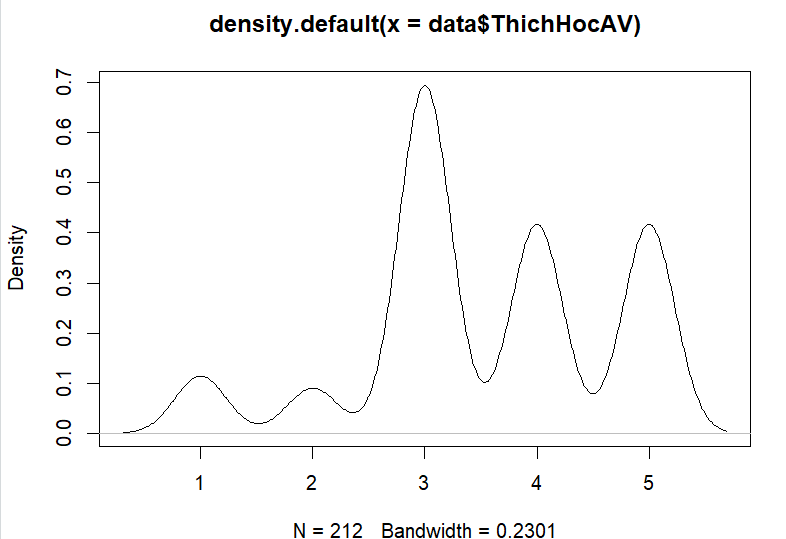
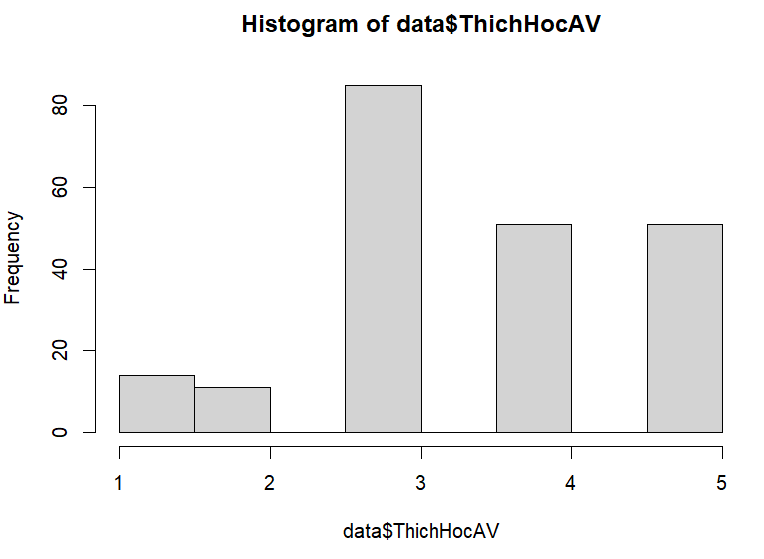
5.1

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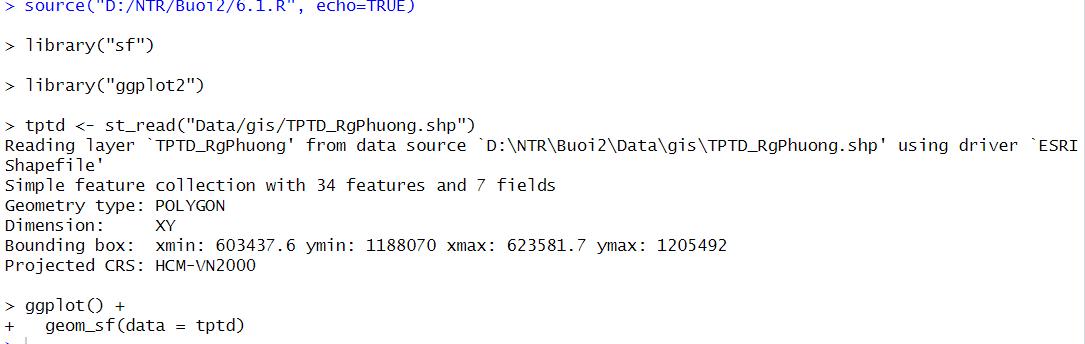
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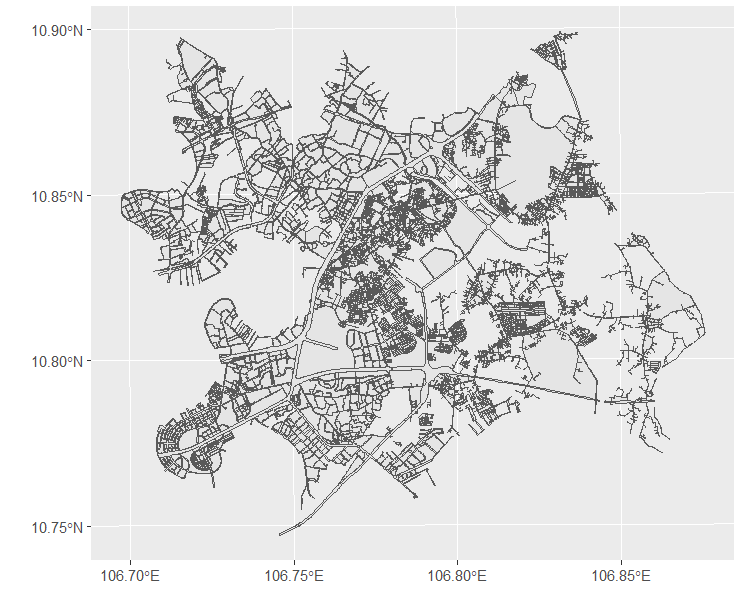
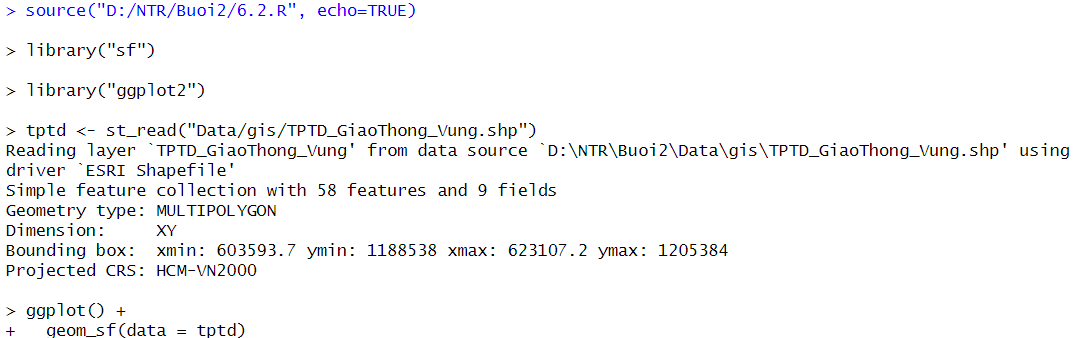
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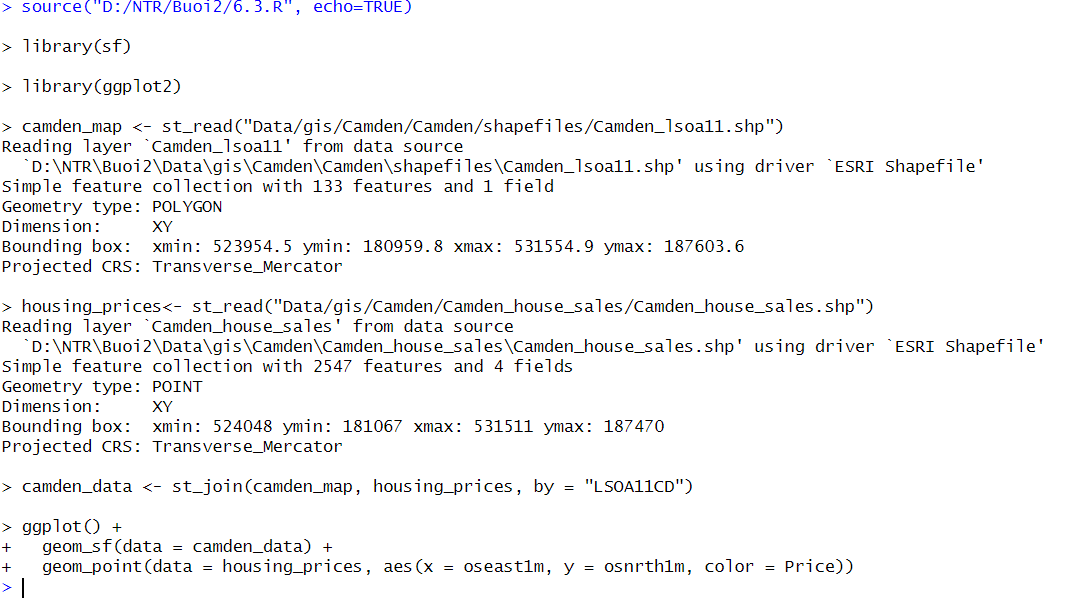
**6.1**

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**6.2**

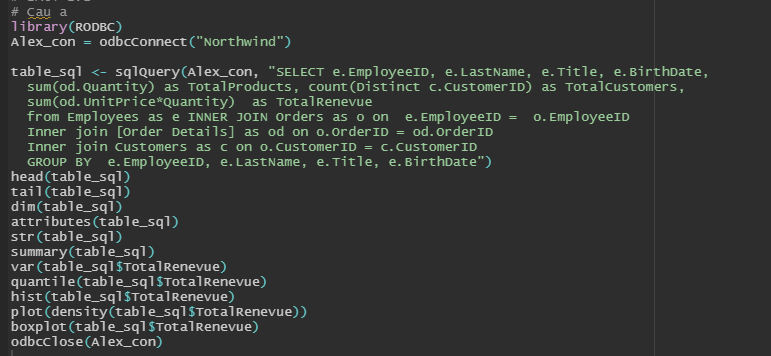
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**6.3**

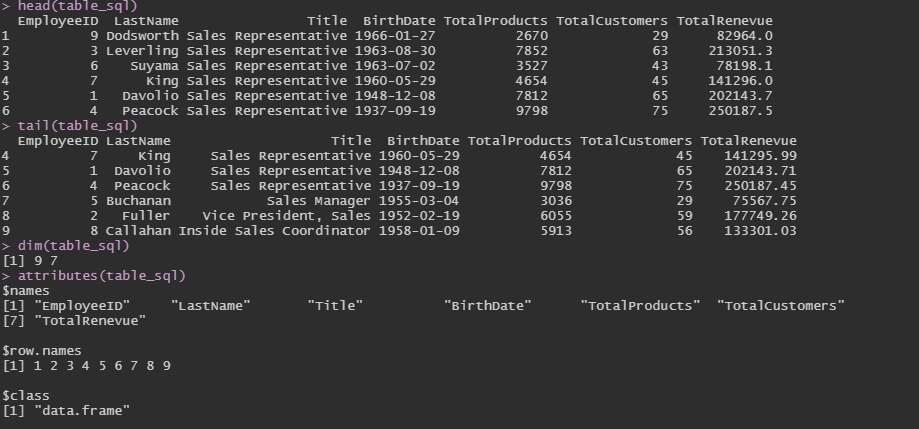
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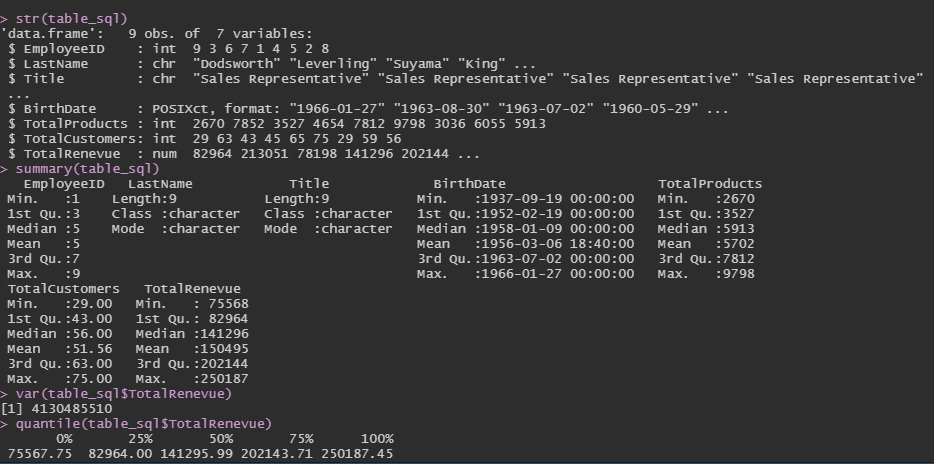
Câu 2.2:

a.

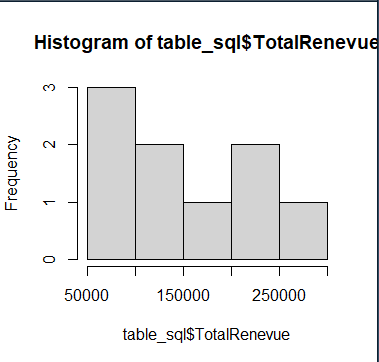
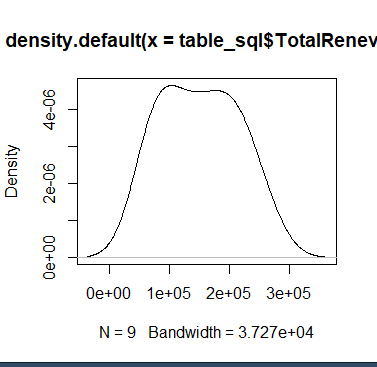


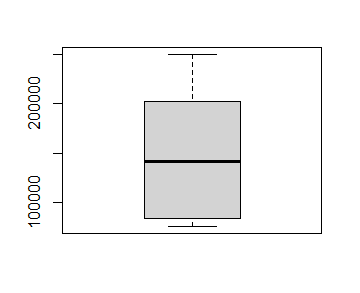
Kết quả



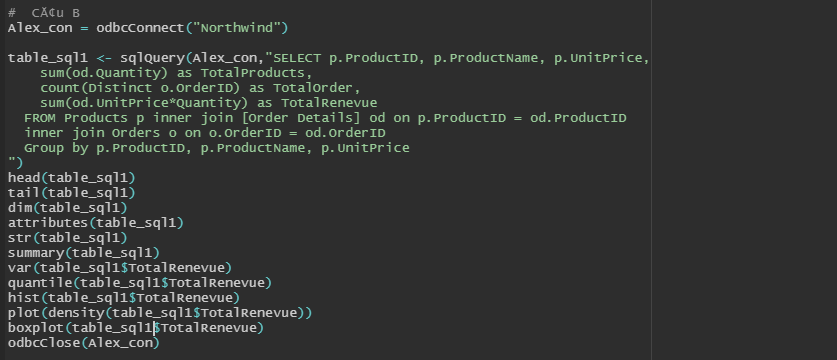


Biểu đồ

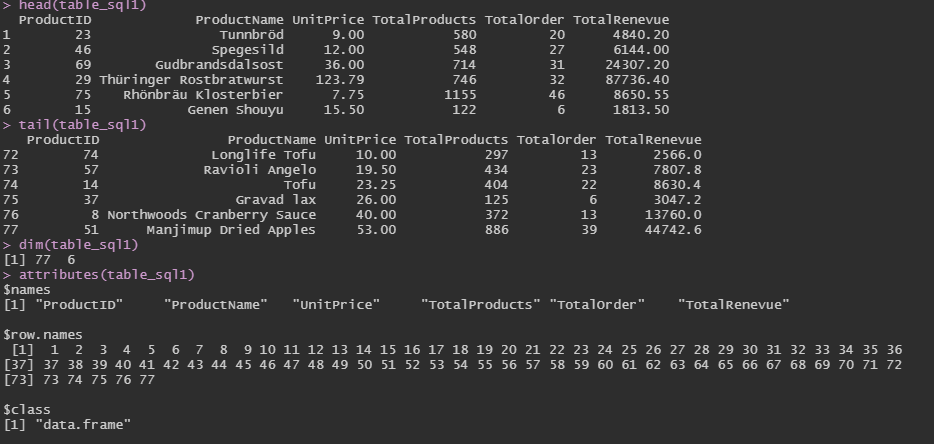
 

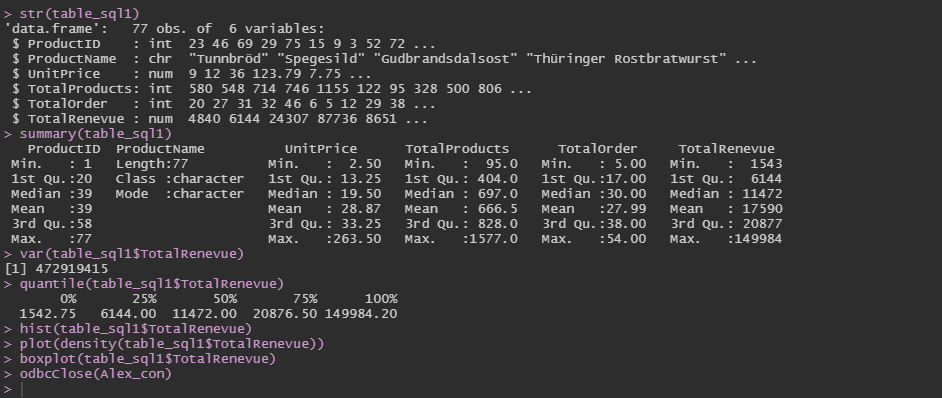


b.

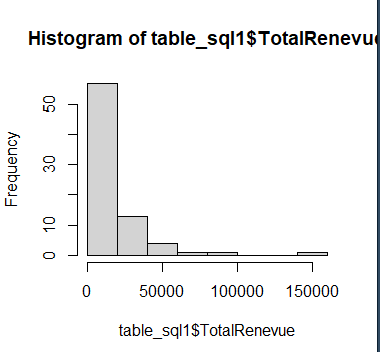
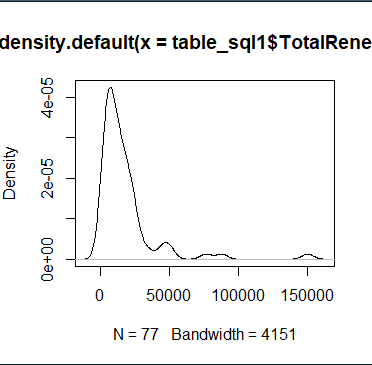


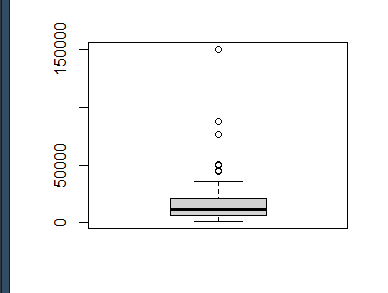
Kết quả



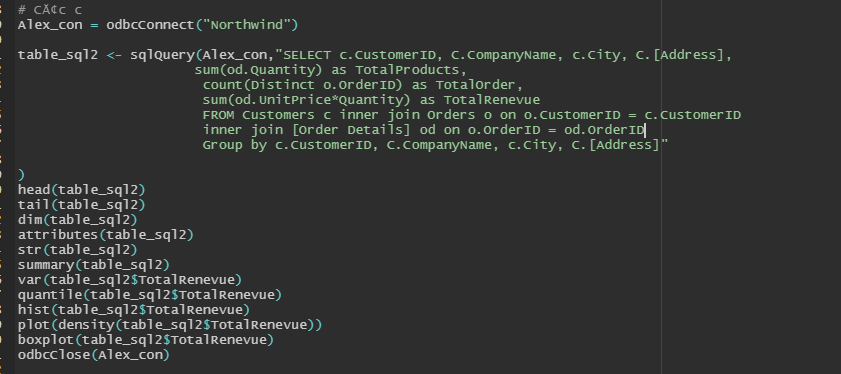


Biểu đồ

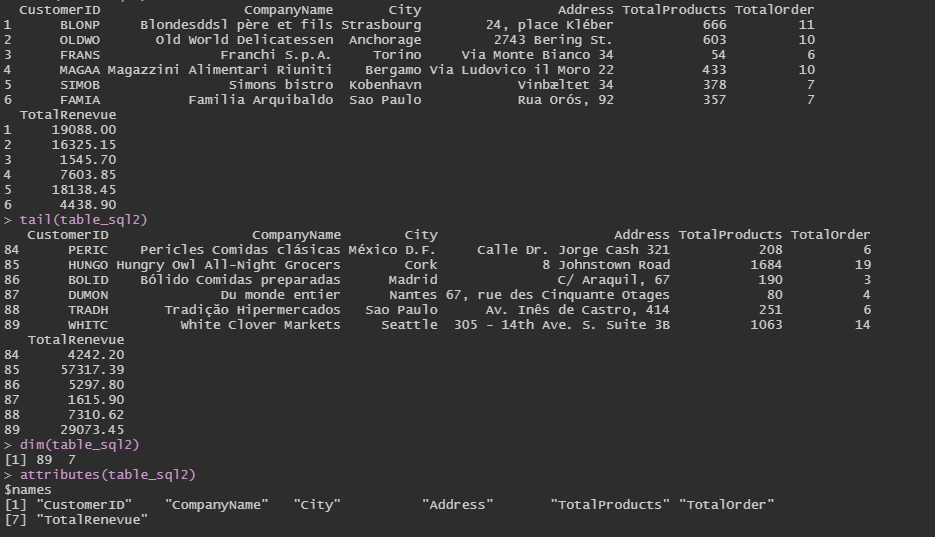
 

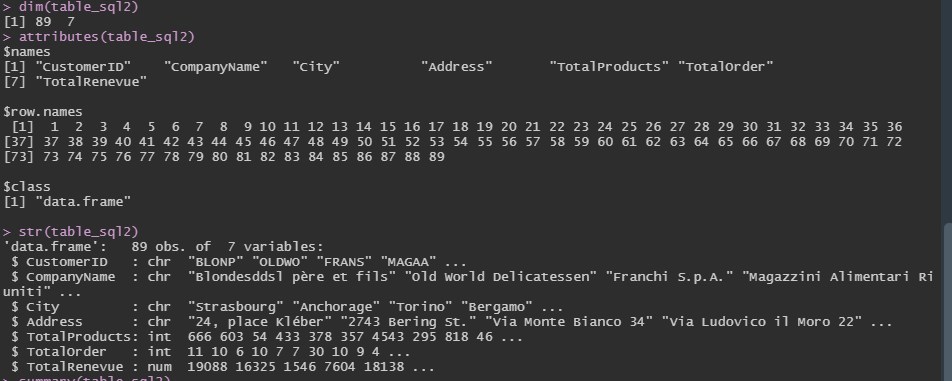


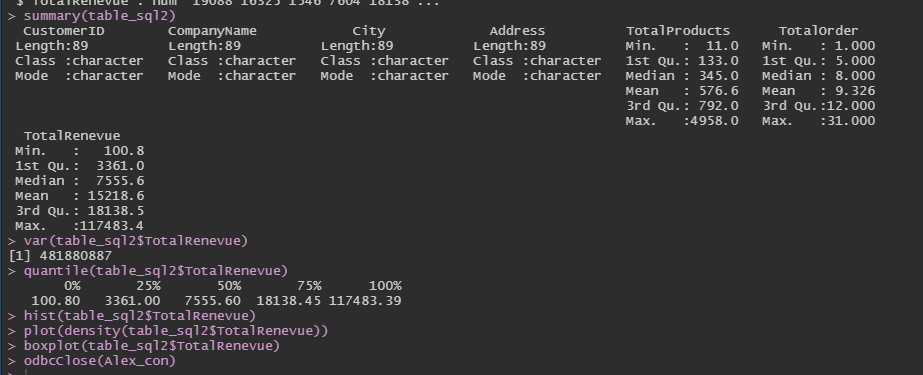
C.



Kết quả:







**Biểu đồ**

