Hw3 for ANA 515

Pin-Chieh Huang

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Describe Data:

The database I am using is from United Airlines how much they spent on each department every year based on wide and narrow body aircraft. The data is stored as an Excel file. As we know most of data is about the money and number,so the data type is binary. In order to have perfect number, we need to remove n/a row and convert the scientific number. In the report, we will see only summary and clean data from our file.

We have data about 317 factories such as how much they spent on pilot, HR, aircrafts and so on . The distribution of this is shown below: The data is about 2013,2014 and 2015 how much united airlines spent on the each fleet and pilot the `1column(united3)`is the data of 2013 and the `2column(united3)`is the data of 2014 and `3column(united3)`is the data of 2015
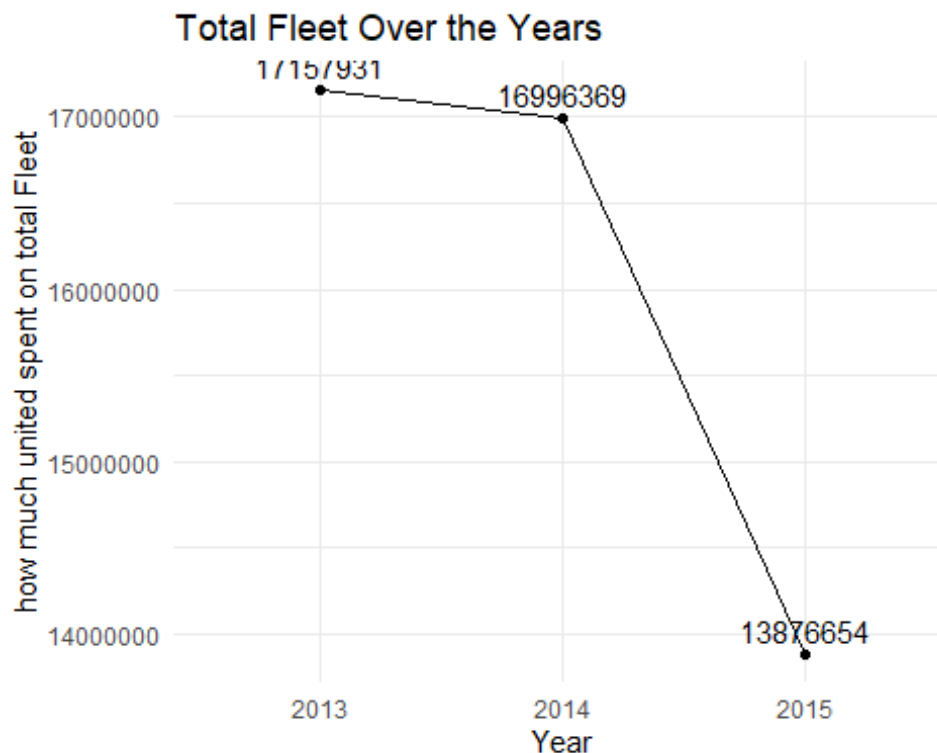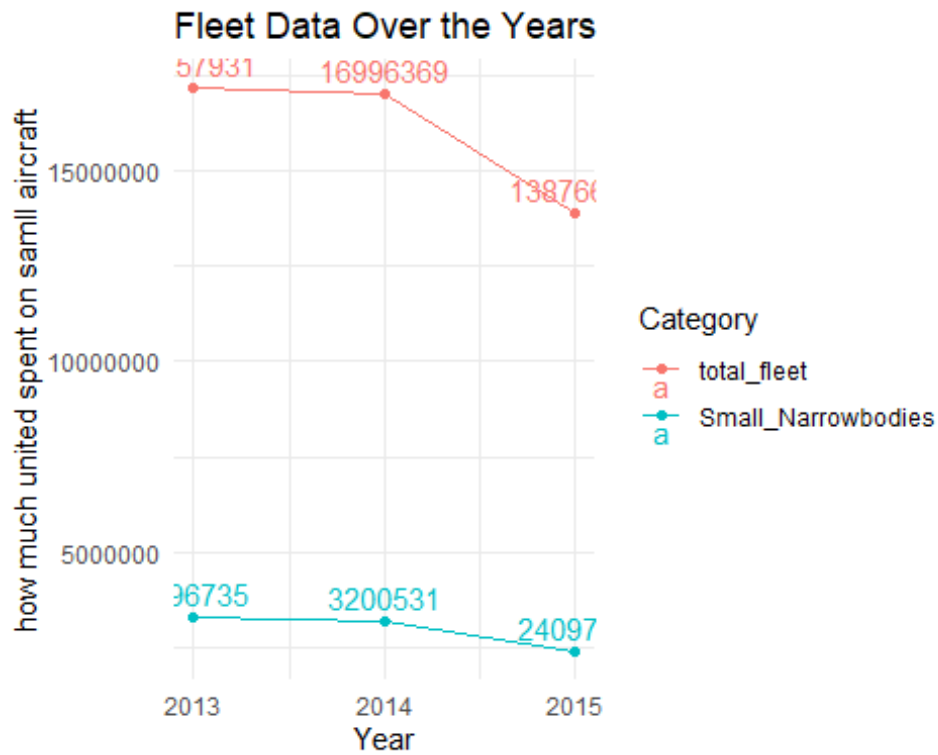

Figure 1(Spent on total fleet)

Fleet Data Over the Years

57931   16996369

13876(

Category

total_fleet

Small_Narrowbodies

)6735   3200531

24097

2013   2014   2015

Year

how much united spent on samll aircraft

Figure 2(Spent on total fleet and small aircraft)
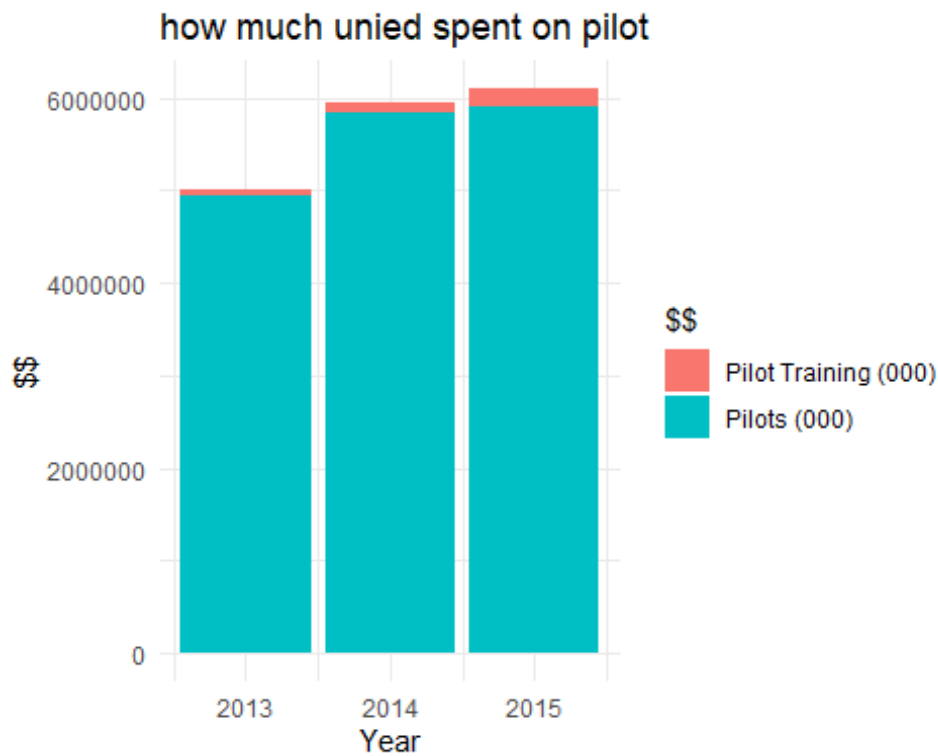
how much unied spent on pilot

$$

Pilot Training (000)

Pilots (000)

2013   2014   2015

Year

Figure 3(Spent on Pilots)