Practical case of Data Analysis based on real life scenario.

For this case we will have a dataset named Telco-Customer-tvc.csv which is a delimited file that contains information about clients of an Internet Provider company.

Based on that information and with Data Analysis tools like Python and R we will have to answer some data driven questions that will allow us to make better decisions.

1) How many unique customers are in the data set?
2) Name the sociodemographic variables present in the data set.
3) What is the percentage of clients who have deserted the service?
4) What are the appropriate steps for data analysis?
5) The data engineer enables the connection to the "Customers" table which contains the same fields of the "Telco-Customer-tvc" csv, you need to obtain the list of active clients with their payment method and monthly billing amount where the client has fiber optics and a Streaming TV service. The result should show as Priority is given to users with the highest monthly billing amount.
6) Of the customers who have internet, what is the average of the total amount charged to the client (TotalCharges)? Separate the answer by the type of internet service that is provided (DSL, Fiber optic)
7) Calculate an appropriate descriptive statistic that allows you to obtain a finding of the variable Total billing (Total Charges) of customers who have deserted (CHURN).
8) What are the payment methods of current clients of the TVC company?
9) What is the percentage of clients who deserted that had a Streaming service?
10) What are the dichotomous variables present in the data set?
11) Make a graph that allows you to analyze the correlation between the variable "Churn" and "Contract".
12) Show the top ten active clients to take care of to avoid possible desertion. (Under your own analysis criteria)
13) Who are the clients who deserted?
14) How many clients are active?