Lab Assignment 2

* 1. Fact tables:
* Traffic event
* Recharges

Dimensions (for Traffic event):

* date
* event type
* service type
* source location
* destin
* client
* timestamp

Dimensions (for Recharges):

* payment type
* card
* date

Measures (for Traffic event):

* consumed time
* consumed vol
* consumed events
* billed time
* billed volume
* billed events

Measures (for Recharges):

* recharged money
  1. A one-to-many relationship can be, for example, between the attribute city and the attribute district in the source location dimension table. A one-to-one relationship can be between attribute destin label and attribute destin prefix in the destin dimension table.
  2. See “ED – 2/ED – 2.1.c.dim” file.
  3. See “ED – 2/ED – 2.1.d.sql” file.

1. See “ED – 2/ED – 2.4.bim” file. No, I don’t think it would simply because, in this business the exact age is usually not relevant, rather the age group is more important. I believe that both facts are event facts since none of them model the current state of a process, rather they model something that happen in the real world, this being bills and drugs prescriptions.

Lab Assignment 3

1. See “ED – 3” folder, which contains everything done in this lab.

Lab Assignment 4

1. See “ED – 4” folder.

Lab Assignment 5

1. See “ED – 5” folder, which contains everything done in this lab, including the presentation and the source code.

The only thing required to run the code is the “matplotlib” python library and then run the command: *python main.py* in the “ED – 5” folder.