ANALISYS TESISQUARE

The GOATs of Data

OUR GOALS

Our goal was to predict the delivery time of a shipment based on various data (type of vehicle, type of delivery, period…), plus we also had to remove and correct absent or ambiguous data such as negative delivery hours or non-existent delivery type.5è4

MOST FREQUENT QUESTIONS?

on which days are trips more frequent?

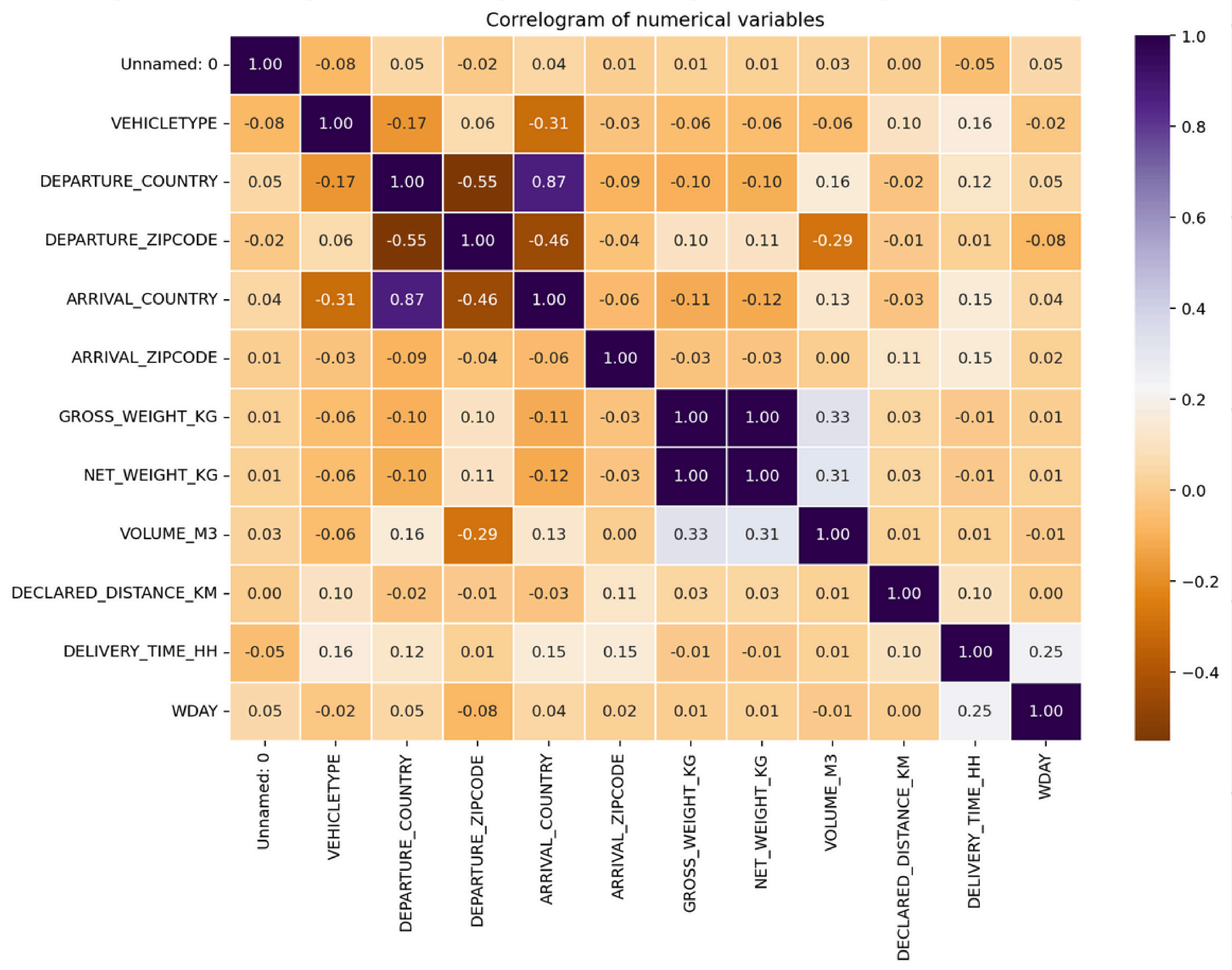
Is there a possibility to remedy the missing data?

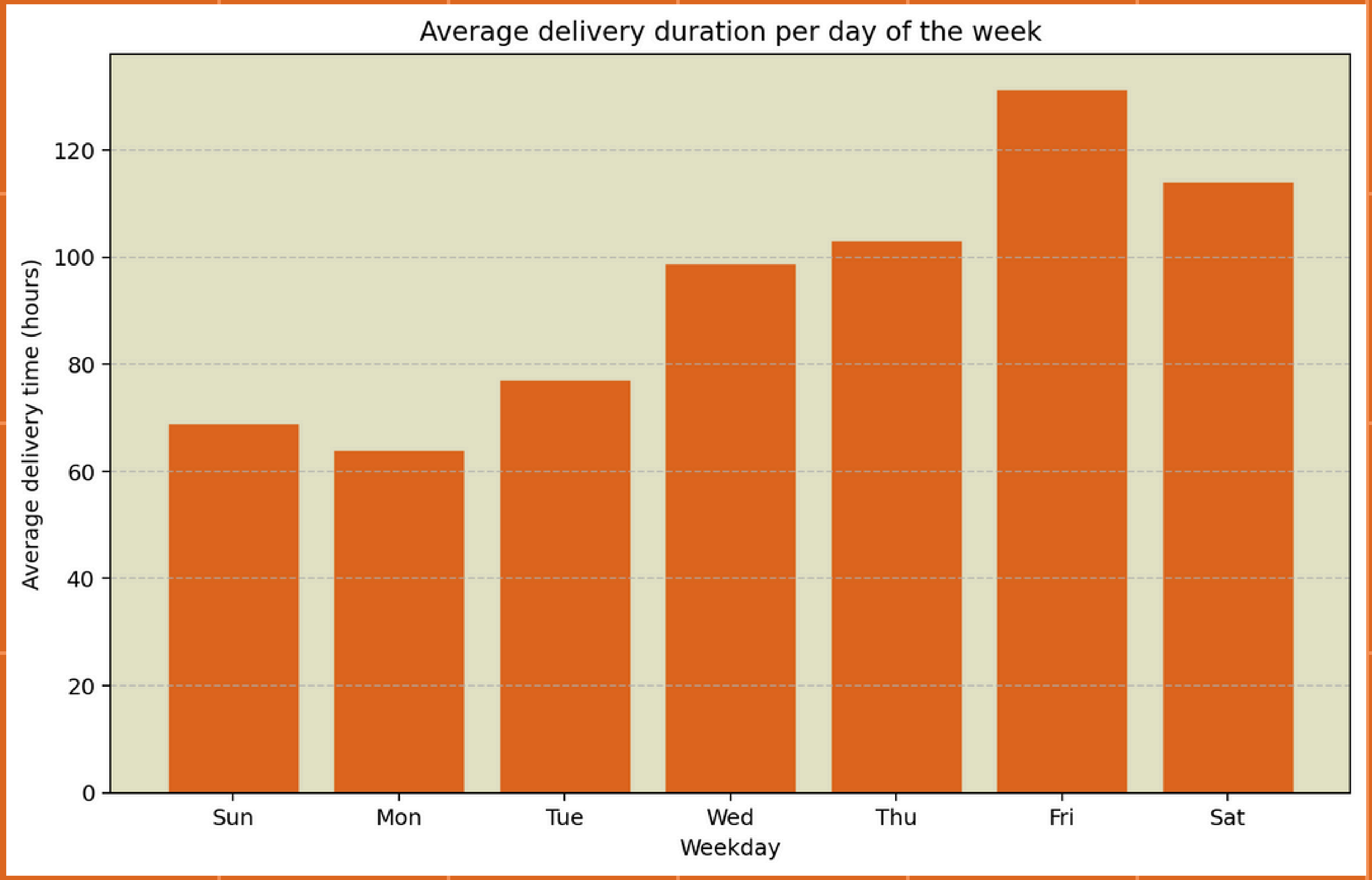
Is it possible to predict the durations of future trips?

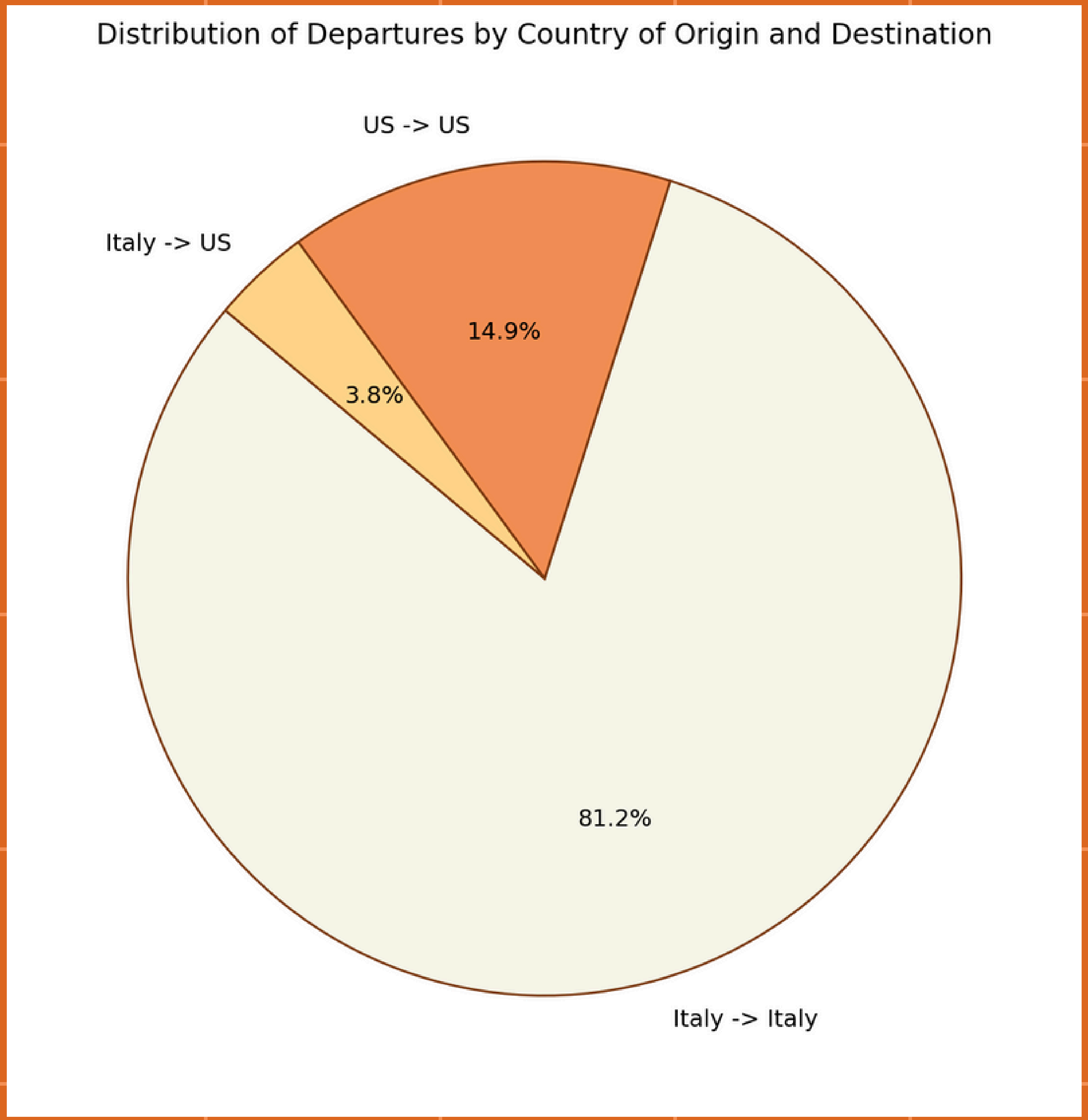
What types of trips do we consider?

Are there correlations between the delivery date and the arrival date?

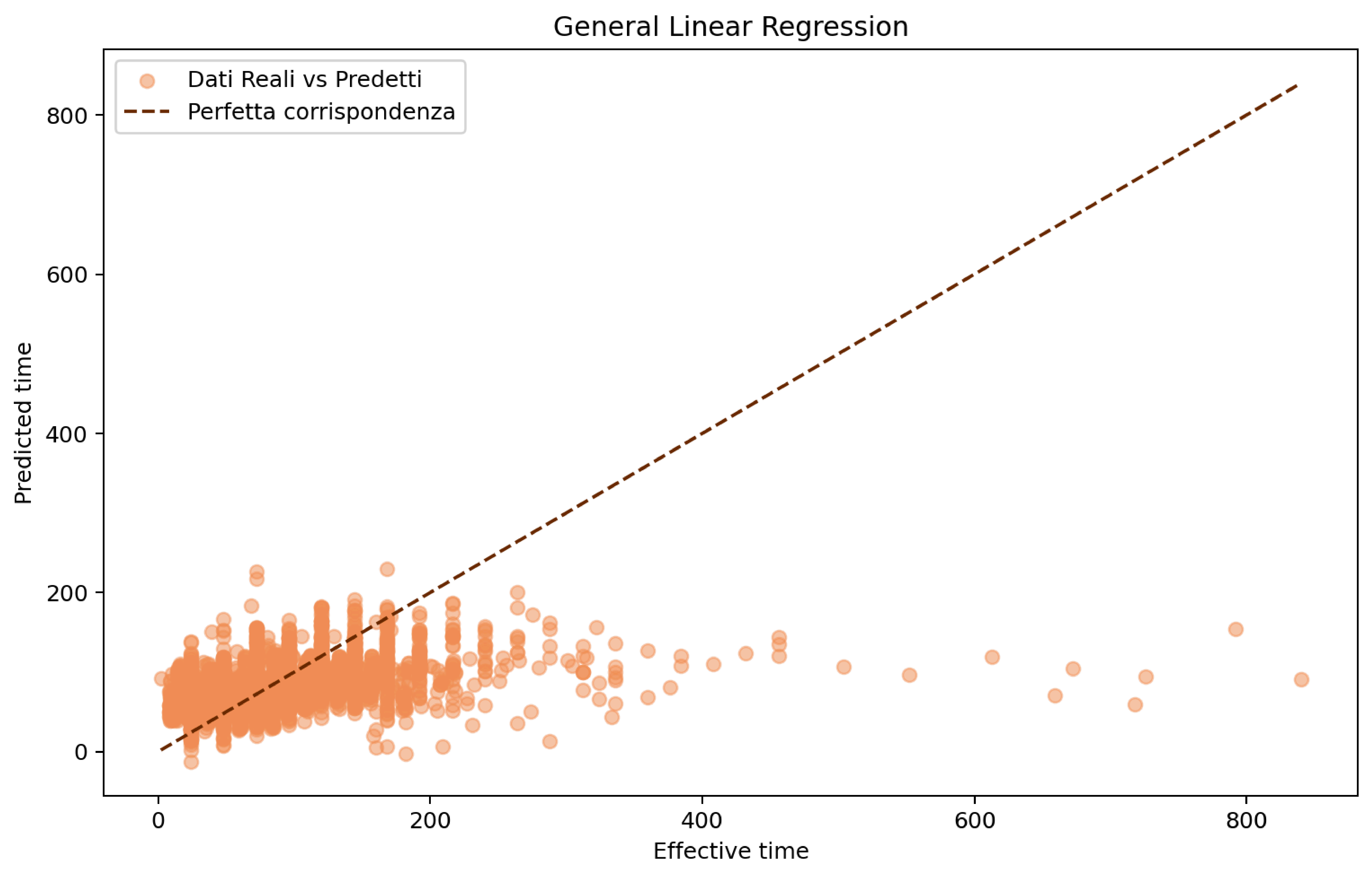
We started with a correlogram to see which fields had the most compatibility with each other.
We got a general idea of the correlations from which we created graphs.

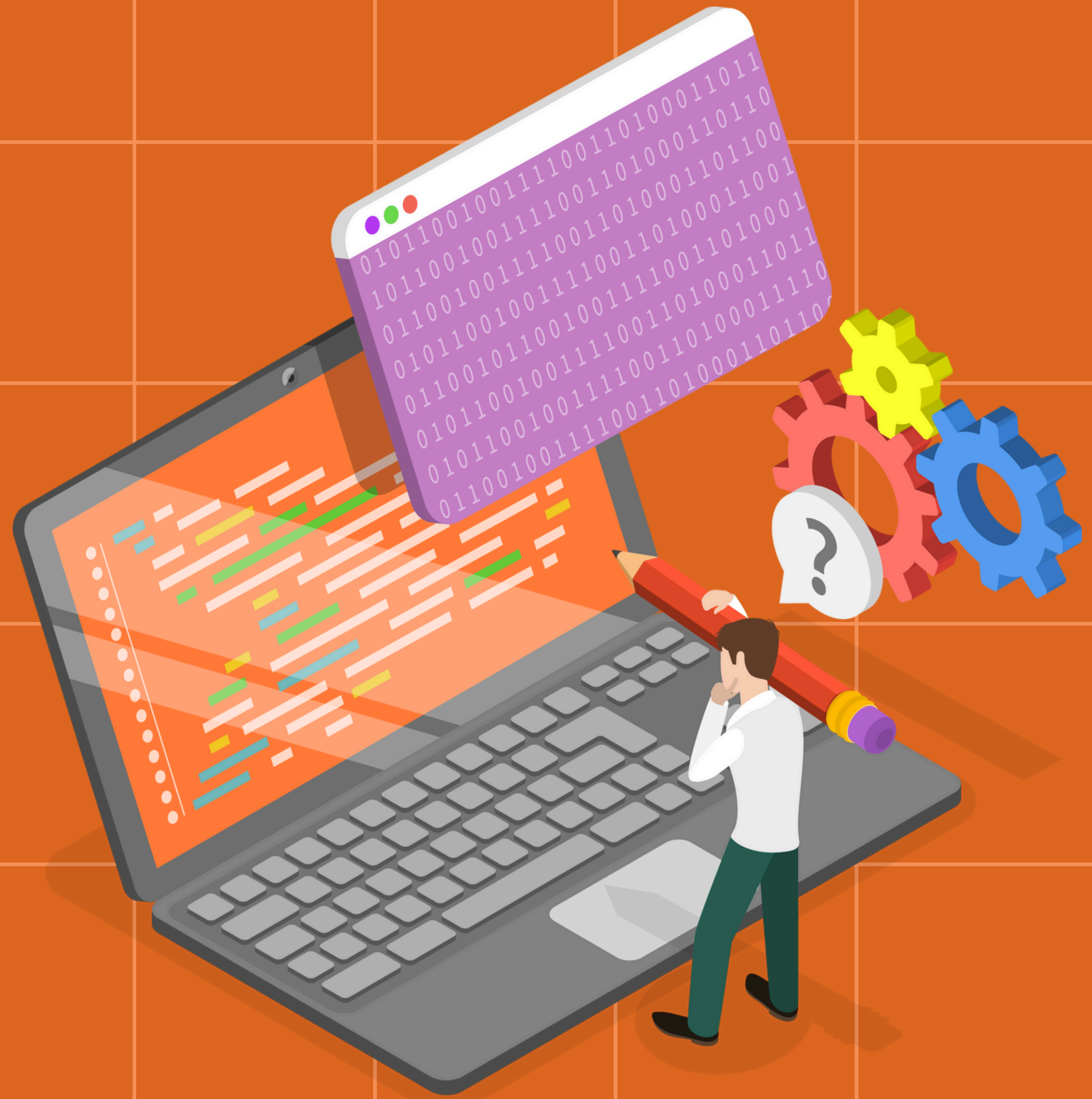






WE MADE DIFFERENT TYPES OF GRAPHS


General Linear Regression
Dati Reali vs Predetti
Perfetta corrispondenza
Predicted time
Effective time
0
200
400
600
800



CONCLUSIONS:

After carrying out an initial exploratory analysis we analyzed the data in a more concrete way by removing useless or null data and then running a machine learning algorithm and building various graphs. In general we managed to answer the questions we initially asked ourselves

THANK YOU