

# Project Report

Polytech Nice

---

## Simple Road Traffic Modeling

---

8th November 2023

Gerbaud Florent  
Fatima Rharrou

9-th october to 20-th December september 2023

Academic tutor : Didier Auroux



# Table of Contents

<b>1</b>	<b>Presentation of the Subject</b>	<b>4</b>
1.0.1	Simple Road Traffic Modeling . . . . .	4
1.0.2	Using GitHub for Project Management . . . . .	4

## List of Figures

- |   |   |   |
|---|---|---|
| 1 | <b><u>Road traffic :</u></b> In this picture, you can see an example of a road traffic phenomenon that we could study . . . . . | 4 |
|---|---|---|

## List of Algorithms

# 1 Presentation of the Subject



Figure 1: **Road traffic :** In this picture, you can see an example of a road traffic phenomenon that we could study

## 1.0.1 Simple Road Traffic Modeling

**What is Road Traffic Modeling** The Road Traffic modeling is the study of how vehicles behave on road networks, aiming to simulate and analyze various aspects of traffic flow, congestion, and driver behavior. This field involves creating mathematical and computer models to understand and predict traffic patterns, particularly in scenarios such as congestion, erratic driving, and other relevant factors affecting road transportation. Road traffic modeling plays a crucial role in urban planning, traffic management, and the development of intelligent transportation systems (you could see an exemple on the 1).

## 1.0.2 Using GitHub for Project Management