# Prioritize The Passage Of Vehicles At Intersections According To Fuel Consumption
## - Report -

Supervisor:

Mr. Ronen Zilber

Authors:

Rashed Kewan 318369170 Rashed.Kewan@e.braude.ac.il

Ibrahim Qassem 207925926 Ibrahim.Kassem@e.braude.ac.il

Date : 30/12/2022
Time : 00:35:26

_____  Vehicles Data  _____

| vehicle_type | speed | weight | generatin |
|---|---|---|---|
| car | 2.5 | 5 | 8 |
| bus | 1.8 | 10 | 8 |
| truck | 1.8 | 8 | 8 |
| motorcycle | 2.5 | 2 | 8 |

| vehicle_type | vehicle_speed_avg |
| --- | --- |
| car | 18.12181514984413 |
| car | 27.08595126444731 |
| car | 17.75975979119712 |
| car | 18.26448552044059 |
| car | 22.24745528896059 |
| car | 21.81843448731959 |
| car | 16.11005521371764 |
| car | 20.12092028261651 |
| bus | 16.08156673494273 |
| bus | 15.56856805975688 |
| bus | 23.83202990543215 |
| bus | 14.41829962262971 |
| bus | 18.27323393525429 |
| bus | 18.72993849627183 |
| bus | 14.47599227820447 |
| bus | 15.90389690169692 |
| truck | 20.25210214980153 |
| truck | 15.73697621238722 |
| truck | 17.45726411786465 |
| truck | 22.86427916600586 |
| truck | 14.58382873661633 |
| truck | 24.73622393675125 |
| truck | 22.09090132449384 |
| truck | 18.73001988312689 |
| motorcycle | 21.63682551085154 |
| motorcycle | 22.33717039655221 |
| motorcycle | 19.55727747883468 |
| motorcycle | 20.57826782429172 |
| motorcycle | 20.20164334203216 |
| motorcycle | 20.20304161501617 |
| motorcycle | 18.62087179290451 |
| motorcycle | 19.93265019504007 |

Mean Average Speeds for Different Vehicle Types



Average Speeds for Different Vehicle Types