

|   | Objective value |
|---|-----------------|
| Total battery cost                      | 10.287          |
| Total waiting time [min]                | 2891.0          |
| Total journey time [min]                | 17359.0         |
| Average waiting time [min]              | 5.0             |
| Max waiting time [min]                  | 54.0            |
| Min waiting time [min]                  | 0.0             |
| Stability waiting time (max-min) [min]  | 54.0            |
| Average journey time [min]              | 34.0            |
| Average occupancy                       | 2.344           |
| Average load factor                     | 0.236           |
| Max load factor                         | 0.266           |
| Min load factor                         | 0.19            |
| Stability load factor                   | 0.076           |
| Percentage of completed bookings        | 0.856           |
| Average battery level end of simulation | 0.51            |
| Minimum battery level end of simulation | 0.245           |
| Maximum battery level end of simulation | 0.839           |

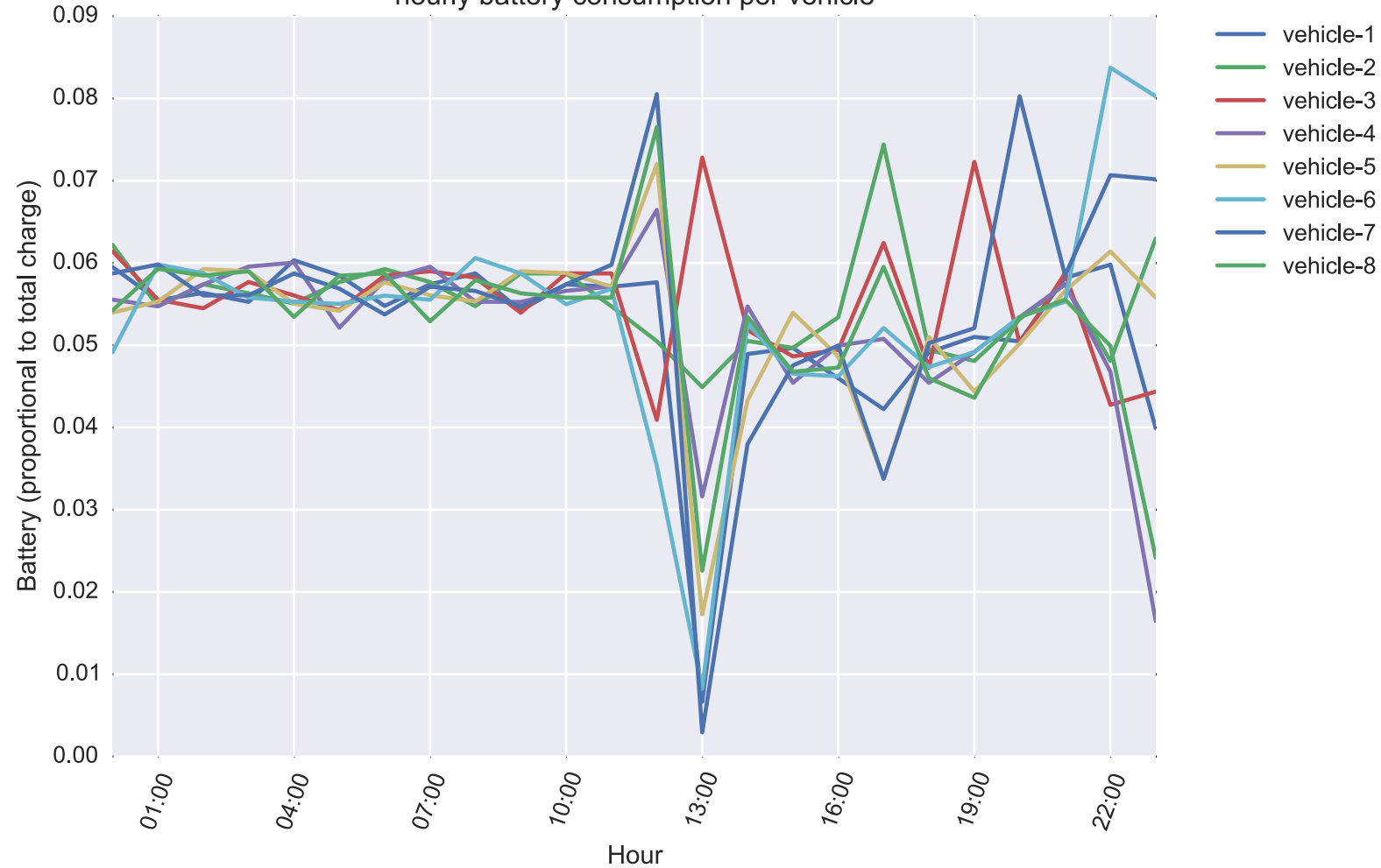
# Load Factor per vehicle (passenger battery/(vehicle battery\*max capacity))

| Vehicle ID | Load Factor |
|------------|-------------|
| vehicle-1  | 0.265       |
| vehicle-2  | 0.266       |
| vehicle-3  | 0.263       |
| vehicle-4  | 0.257       |
| vehicle-5  | 0.239       |
| vehicle-6  | 0.205       |
| vehicle-7  | 0.19        |
| vehicle-8  | 0.206       |
| Average    | 0.236       |

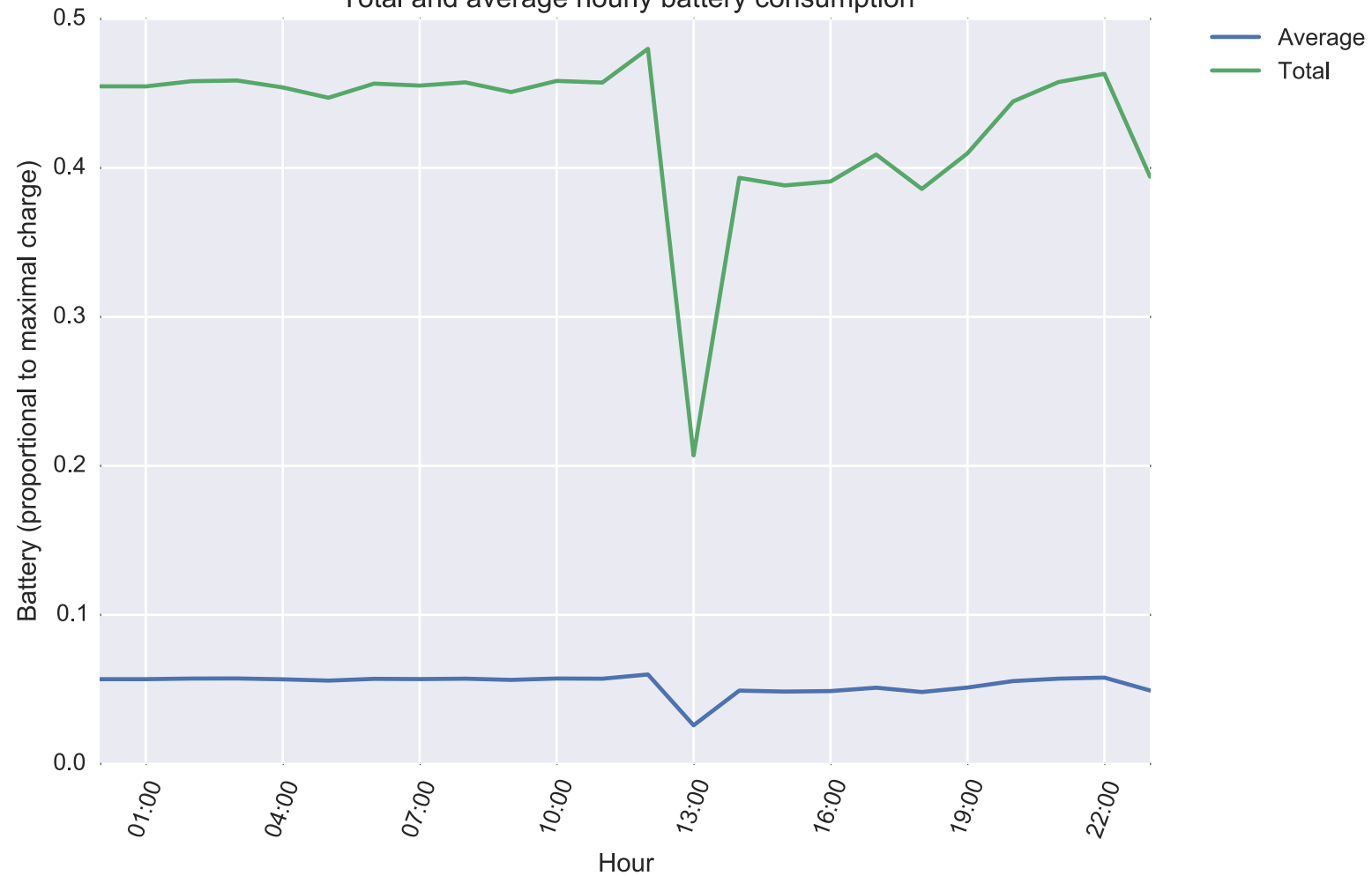
# Vehicle Battery Consumption

| Vehicle ID | Battery |
|------------|---------|
| vehicle-1  | 1.245   |
| vehicle-2  | 1.33    |
| vehicle-3  | 1.328   |
| vehicle-4  | 1.249   |
| vehicle-5  | 1.269   |
| vehicle-6  | 1.287   |
| vehicle-7  | 1.32    |
| vehicle-8  | 1.259   |
| Total      | 10.287  |

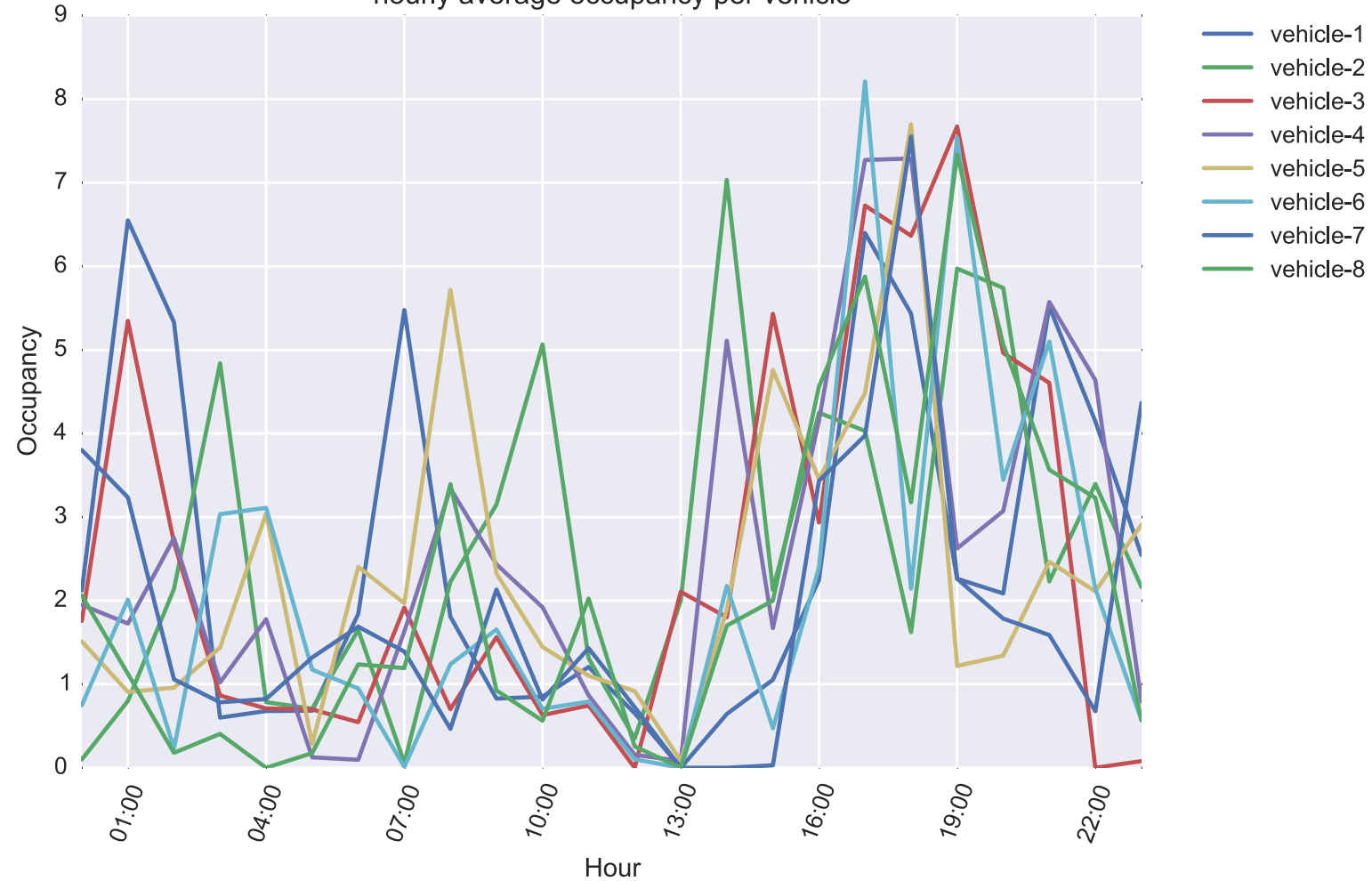
hourly battery consumption per vehicle



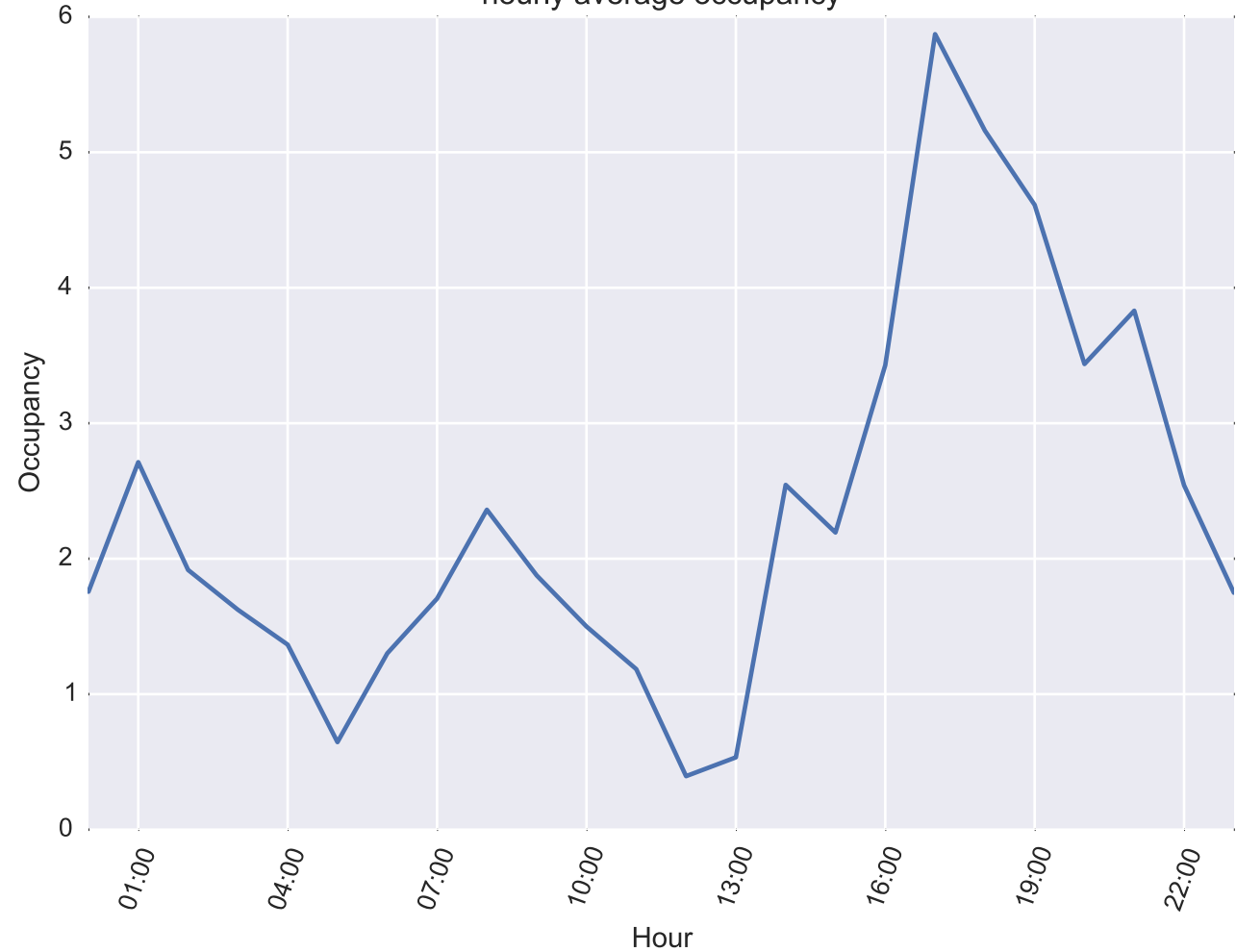
Total and average hourly battery consumption



hourly average occupancy per vehicle

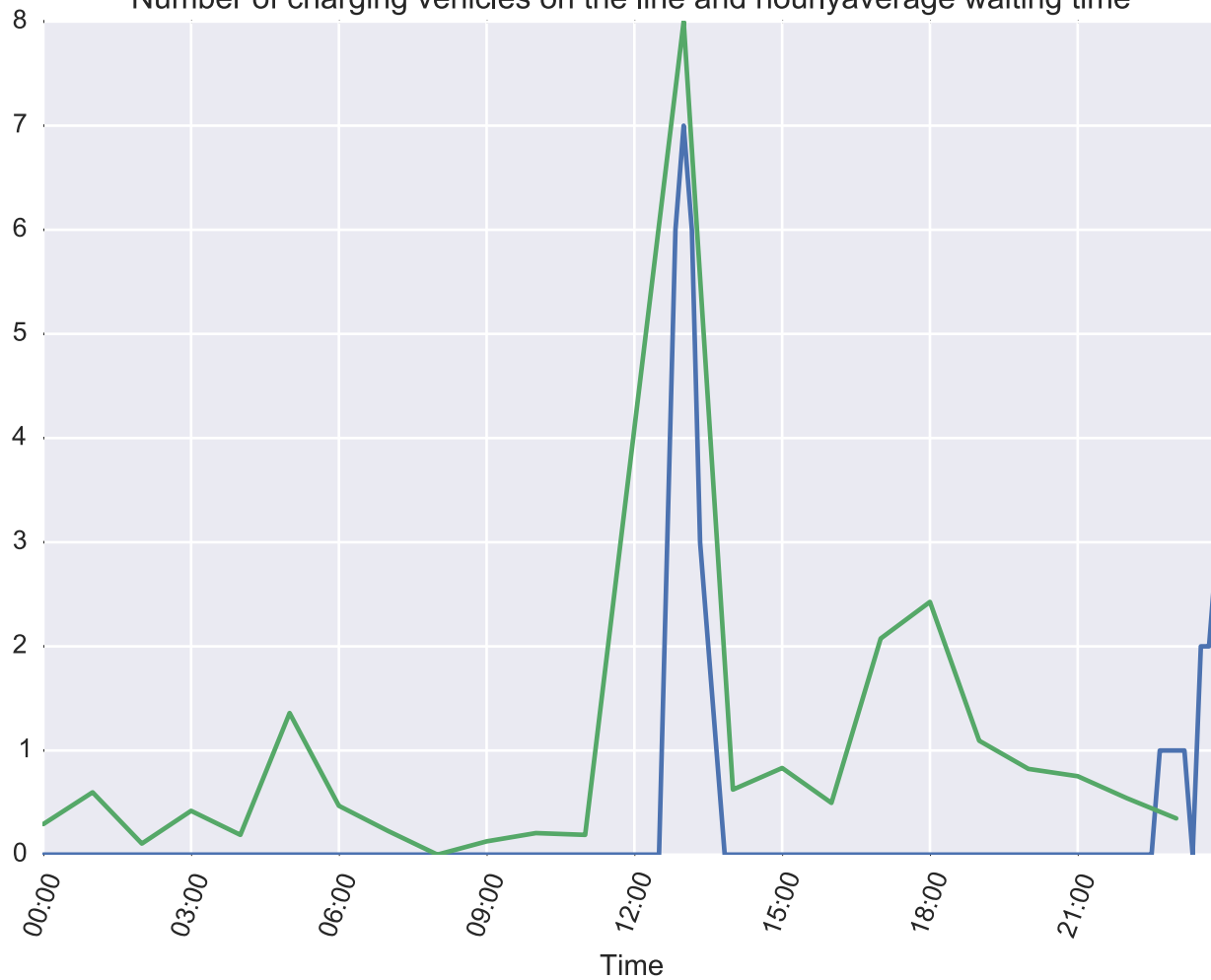


hourly average occupancy



Number of charging vehicles on the line and hourlyaverage waiting time

Charging Vehicles



Number of charging vehicles

normalized hourly average waiting time (between 0 and number of vehicles)