

AMoDeus Simulation Report

Simulation Information

User: tl456
Timestamp: 2019/05/02 - 02:45:41

Iterations: 1 ,i.e., 0 in matsim config.

[AV File](#) [AV Config File](#)

Dispatcher: HighCapacityDispatcher
Rebalancing Period: -00:00:01
Redispatching Period: 00:00:20

Network: null_prepared
Virtual Nodes: 10 virtual nodes.
Population: 21562

Number of Vehicles: 500
Number of Requests: 21562

Aggregated Results

Distance Ratio: 82.61%
Occupancy Ratio: 25.33 %

Distances

Total: 336932.79 km
Rebalancing: 26413.57 km (7.84%)
Pickup: 32184.77 km (9.55%)
With Customer: 278334.45 km (82.61%)

Average Trip Distance: 12.91 km

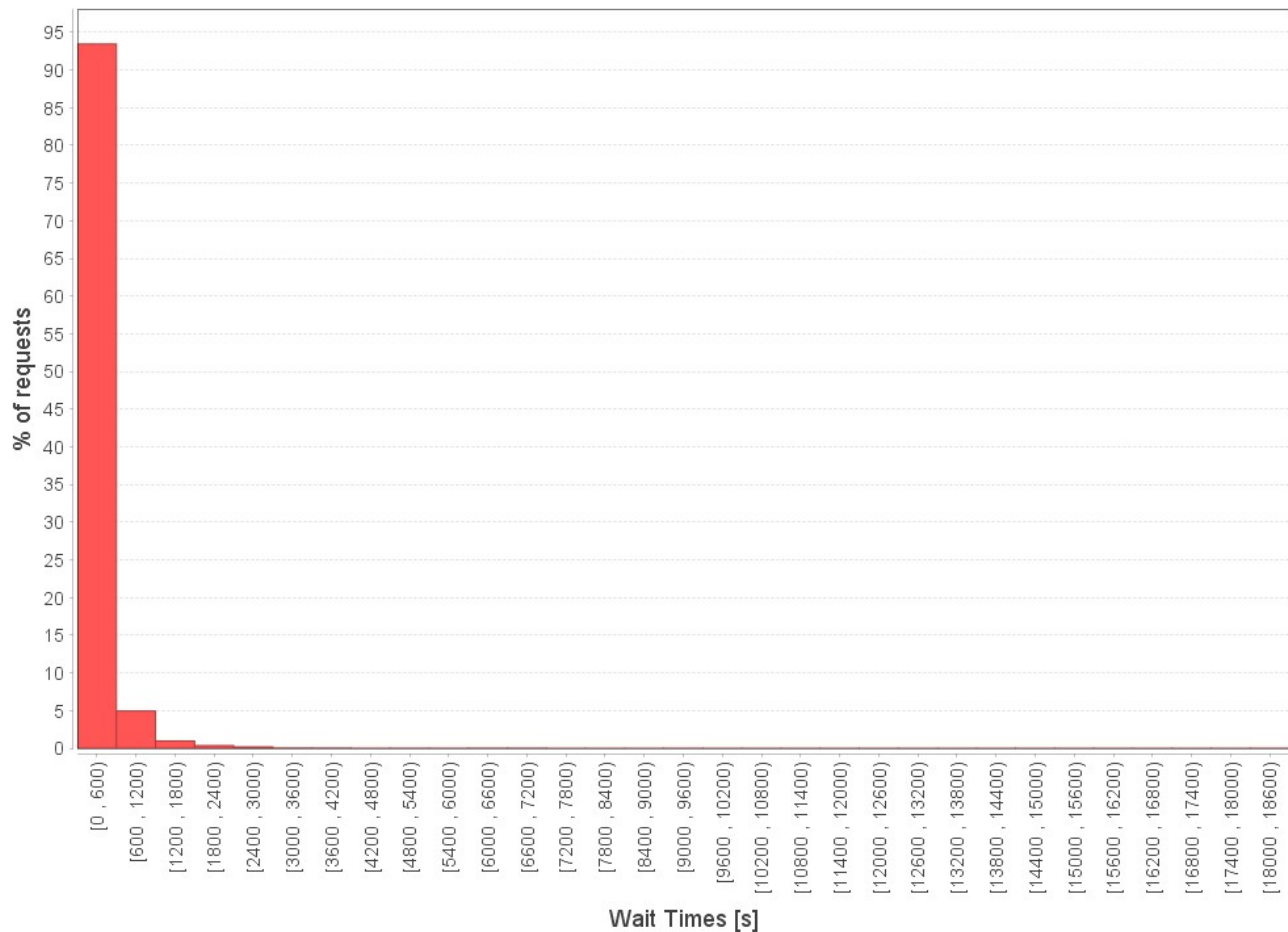
Total Distance Distribution



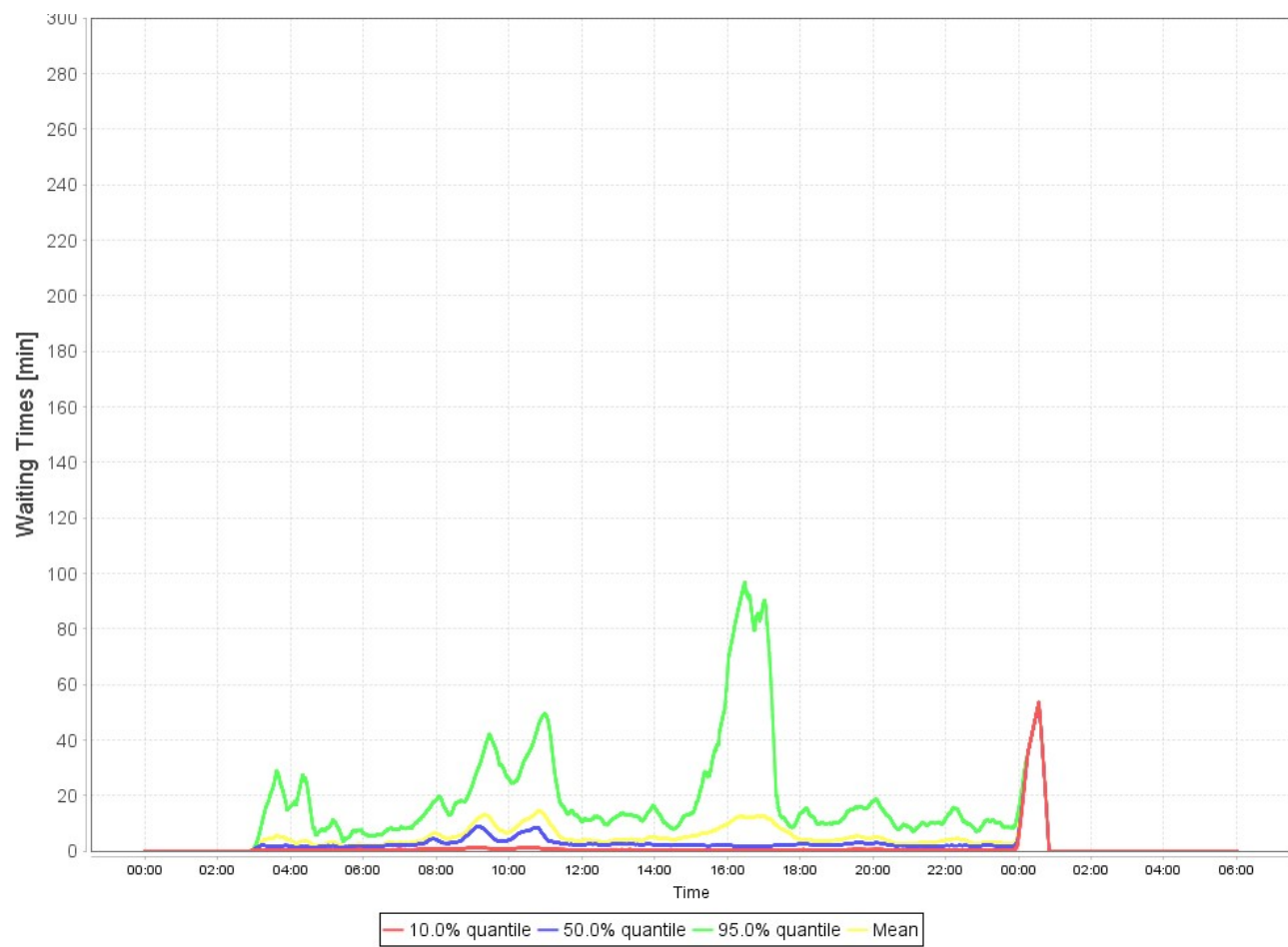
Wait Times

10.0% quantile	00:01:15
50.0% quantile	00:03:08
95.0% quantile	00:11:44
Mean	00:04:19
Maximum:	05:00:04

Number of Requests per Wait Time



Binned Waiting Times



Waiting Customers per Day Time

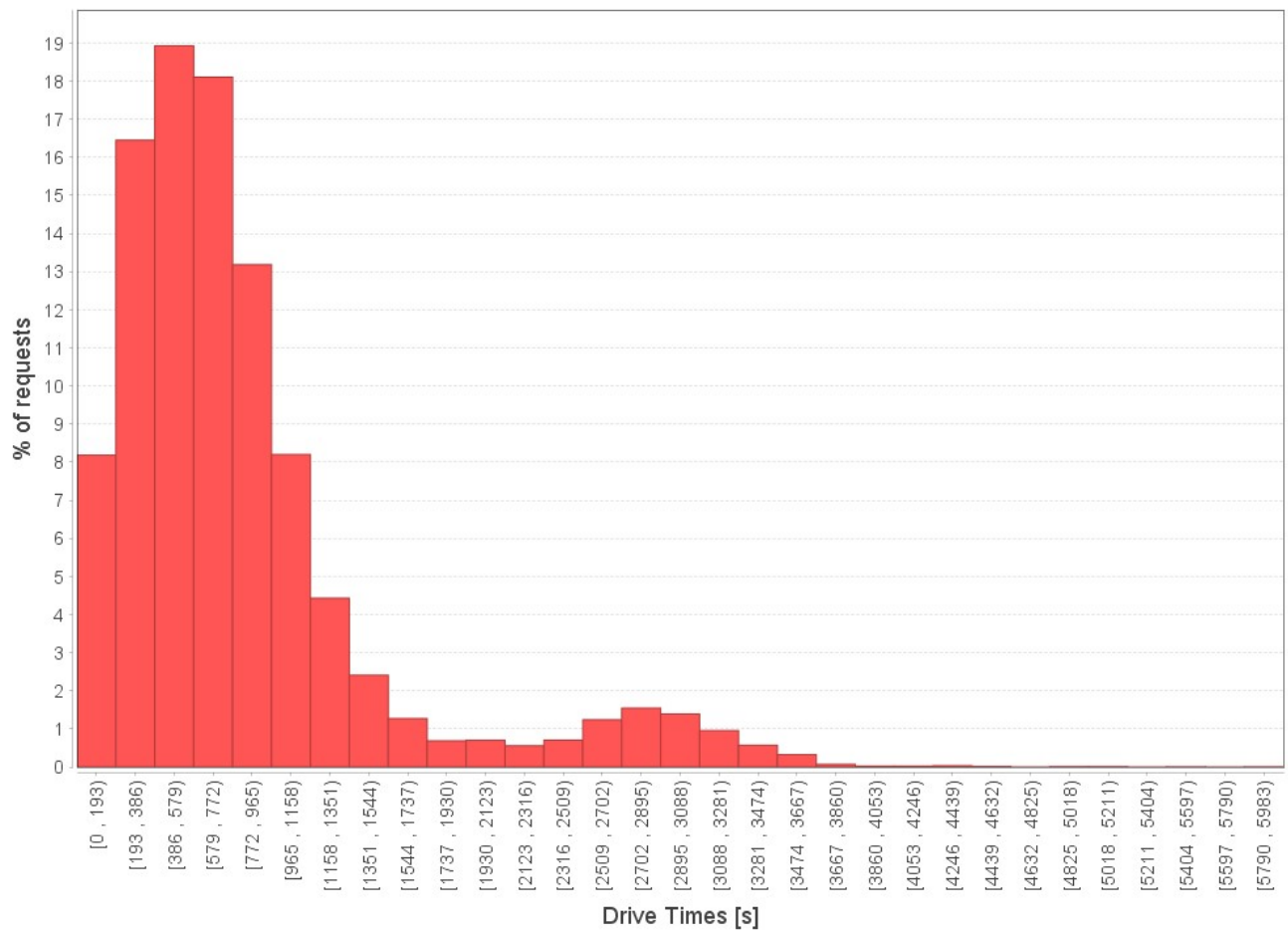




Drive Times

10.0% quantile	00:03:40
50.0% quantile	00:10:40
95.0% quantile	00:45:00
Mean	00:13:41
Maximum:	01:36:40

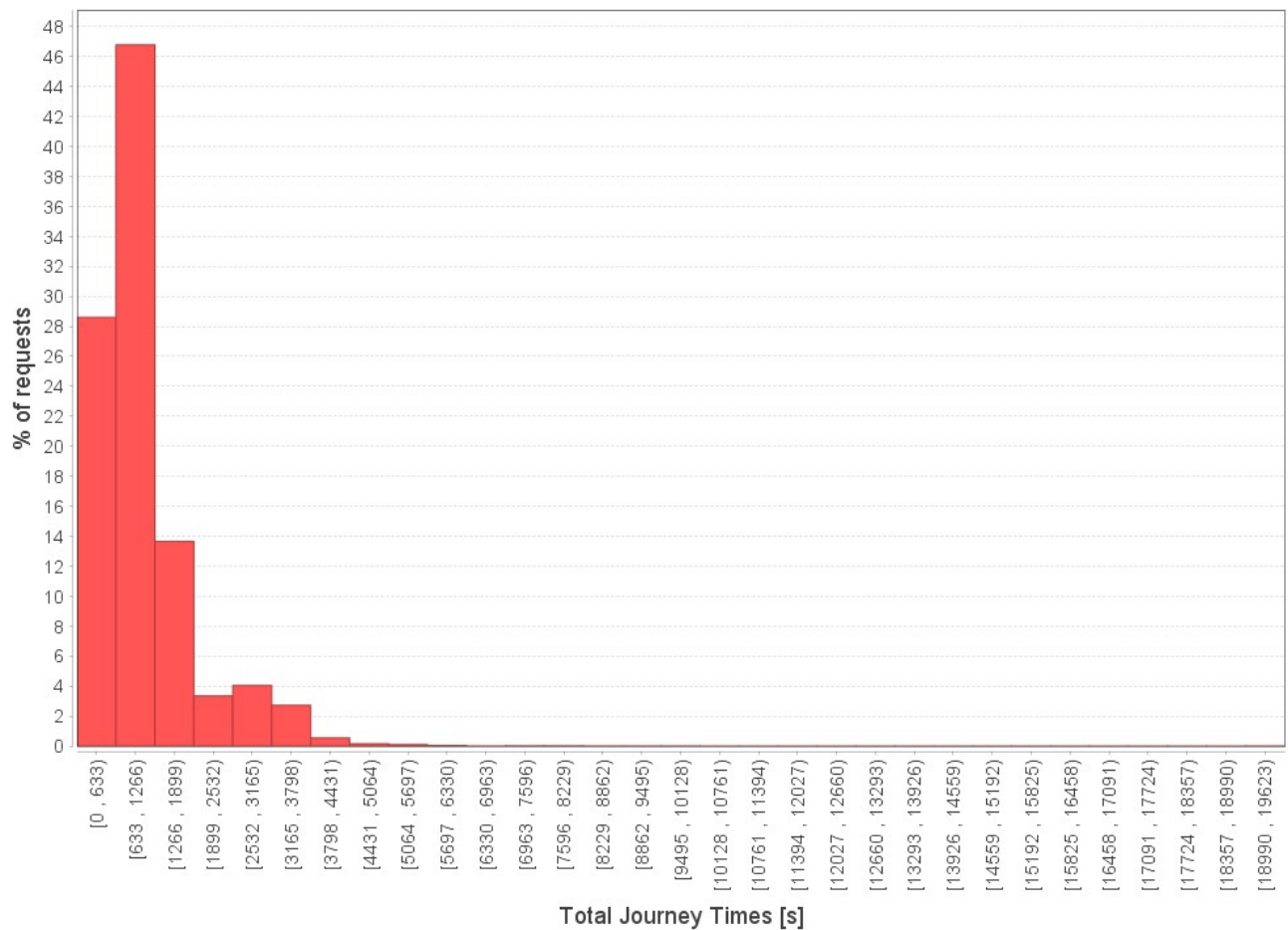
Number of Requests per Drive Time



Total Journey Times

10.0% quantile	00:06:40
50.0% quantile	00:14:39
95.0% quantile	00:49:47
Mean	00:18:01
Maximum:	05:16:44

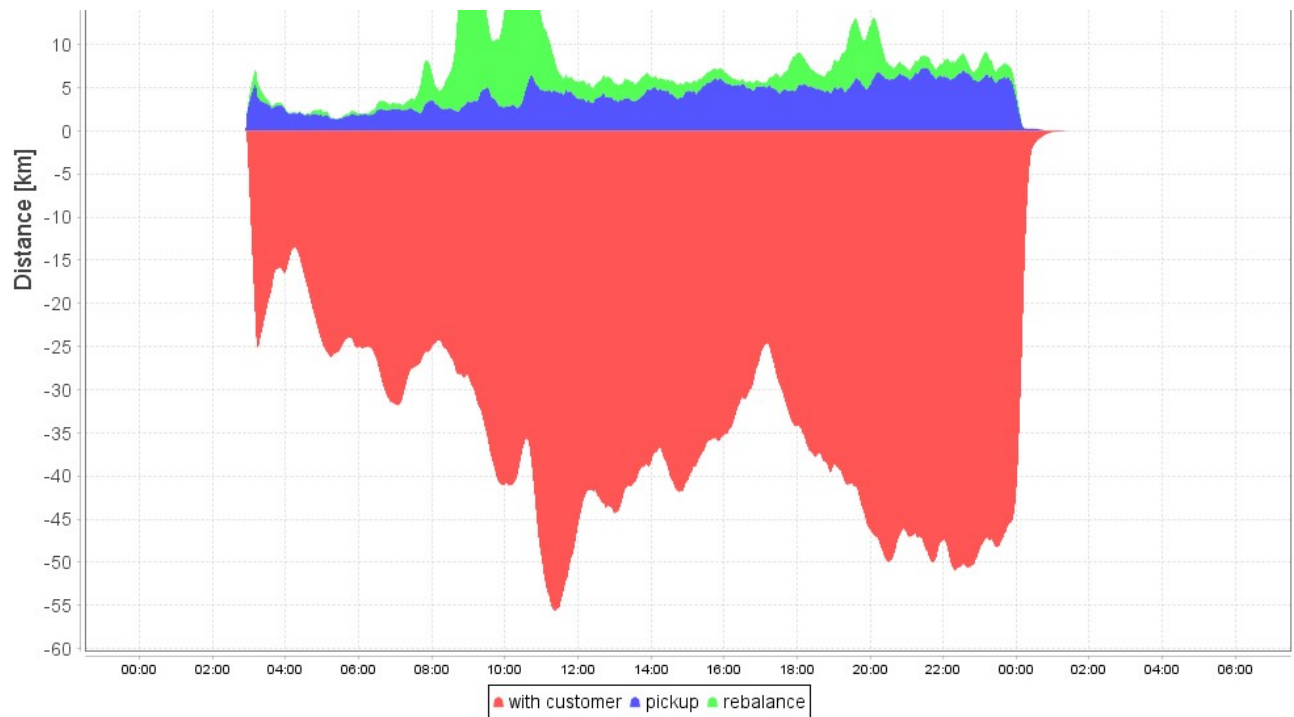
Number of Requests per Total Journey Time



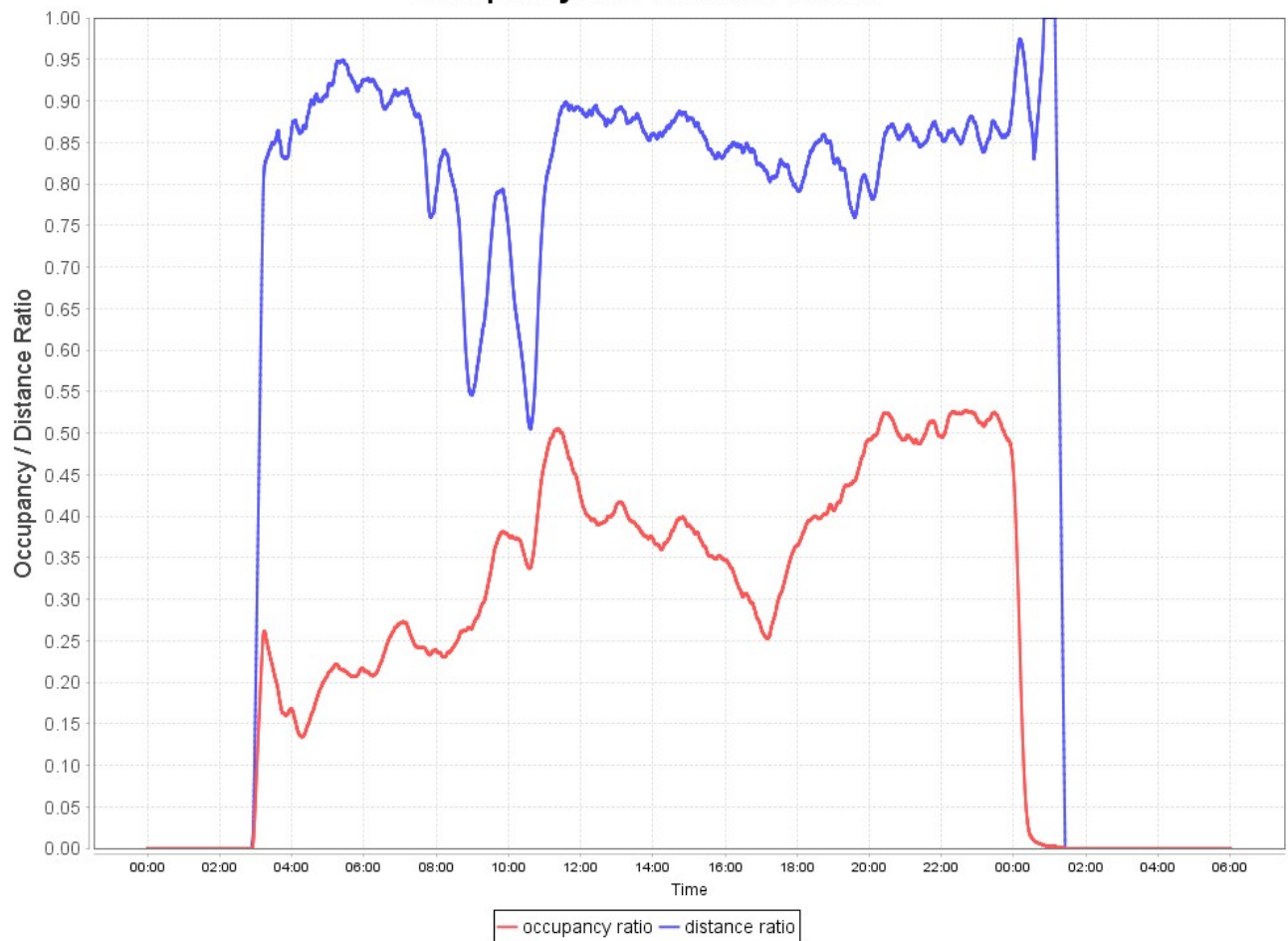
Fleet Efficiency

Distance Distribution over Day



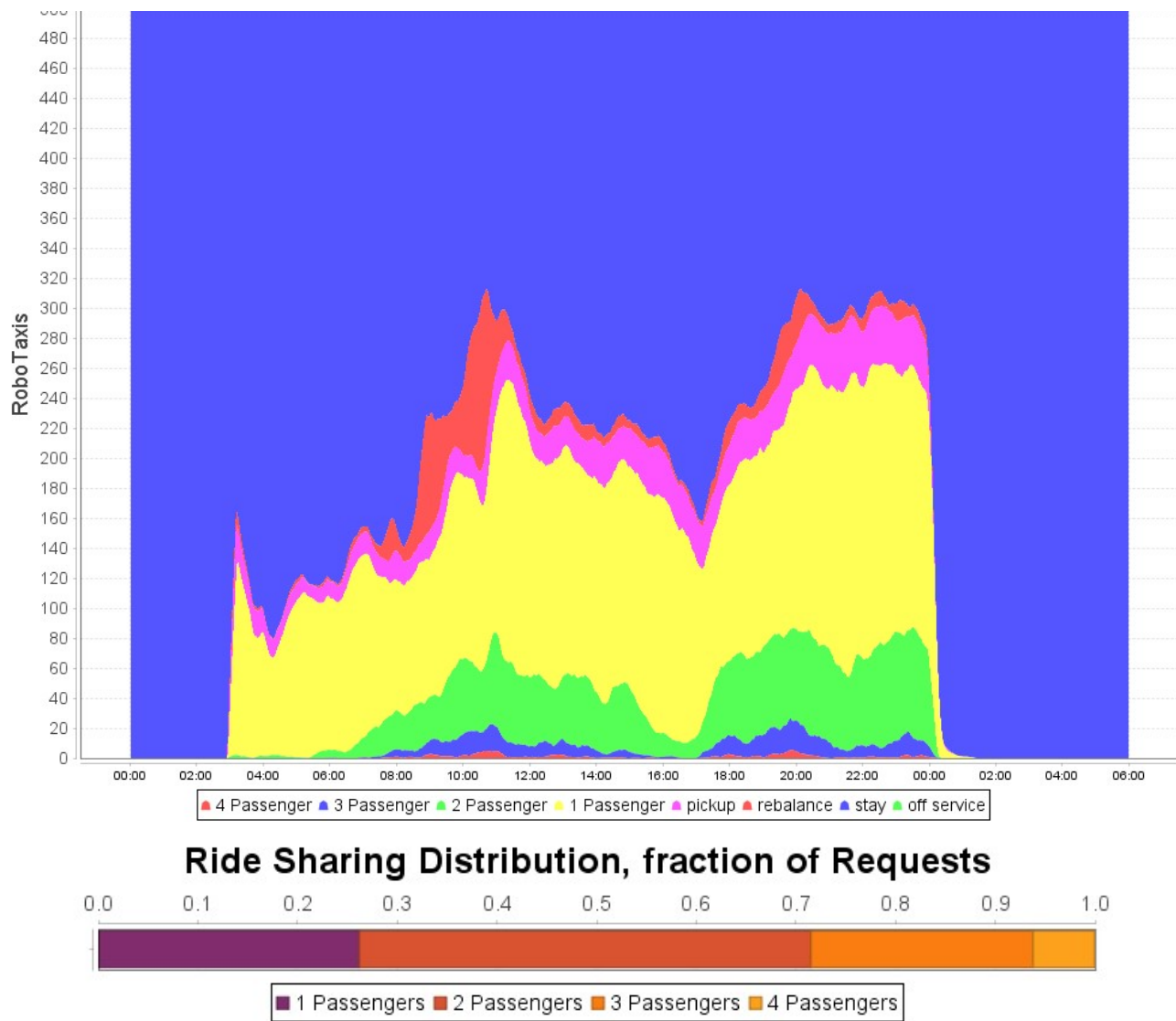


Occupancy and Distance Ratios



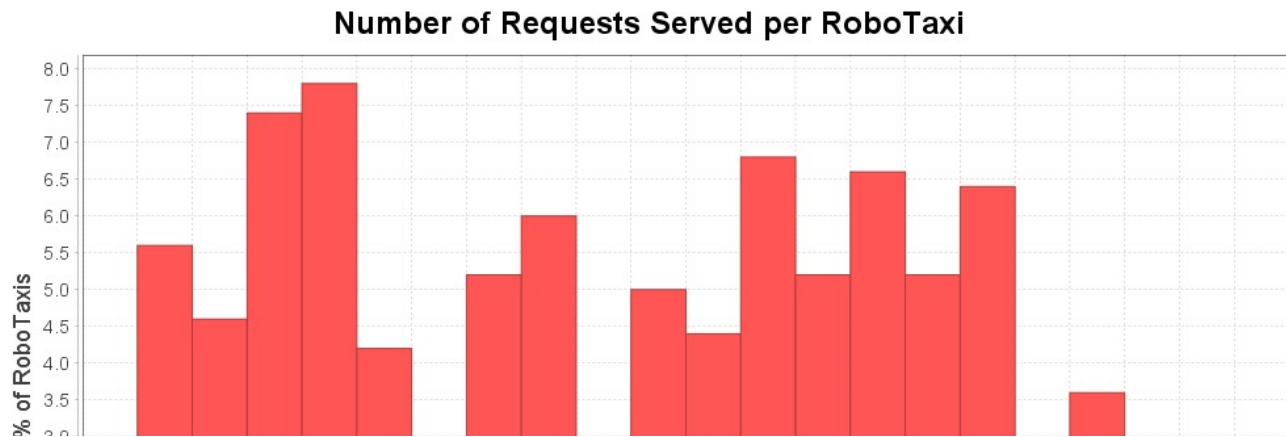
Number Passengers

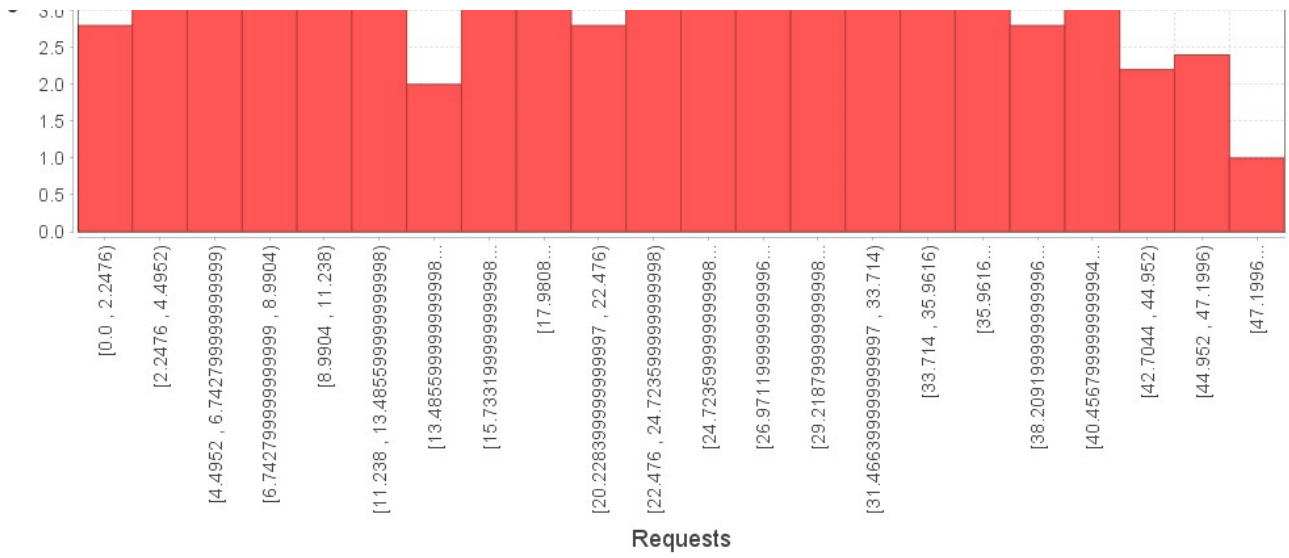




Requests per RoboTaxi Analysis

This histogram shows the number of request served by each RoboTaxi:





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