AMoDeus Simulation Report

Simulation Information

User:	dwang
Timestamp:	2019/05/01 - 23:05:25
Iterations:	1 ,i.e., 0 in matsim config.

AV_File   AV_Config_File

Dispatcher:	DemandSupplyBalancingDispatcher
Rebalancing Period:	-00:00:01
Redispatching Period:	00:00:10
Network:	null_prepared
Virtual Nodes:	10 virtual nodes.
Population:	21562
Number of Vehicles:	500
Number of Requests:	21562

Aggregated Results

Distance Ratio:	69.95%
Occupancy Ratio:	27.34 %

Distances

|	
Total:	440265.63 km
Rebalancing:	0.00 km (0.00%)
Pickup:	132312.09 km (30.05%)
With Customer:	307953.54 km (69.95%)
Average Trip Distance:	14.28 km

Total Distance Distribution

With Customer ■ Pickup ■ Rebalancing
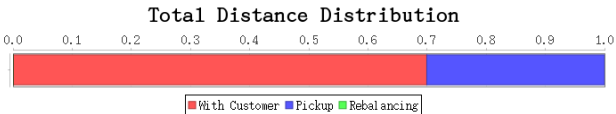
Wait Times

10.0% quantile	00:00:53
50.0% quantile	00:03:04
95.0% quantile	00:17:37
Mean	00:05:19
Maximum:	01:25:03

Number of Requests per Wait Time

Wait Times [s]

Binned Waiting Times

Waiting Customers per Day Time
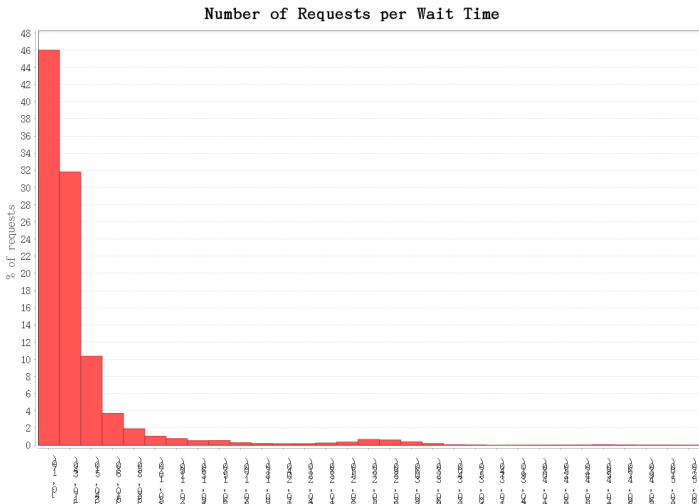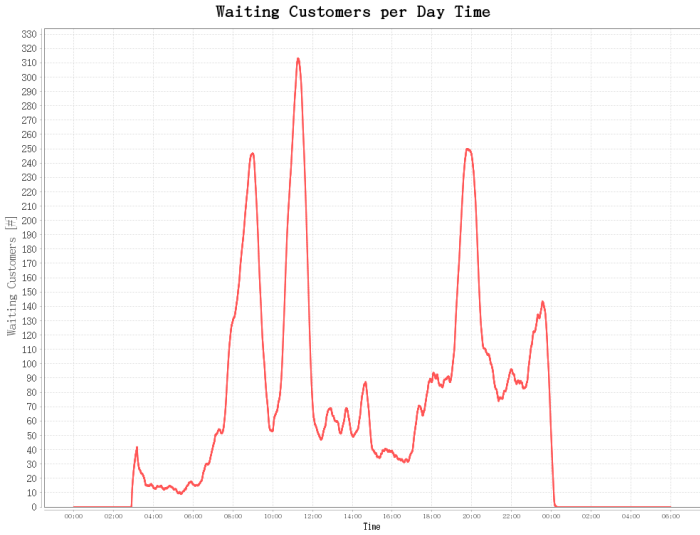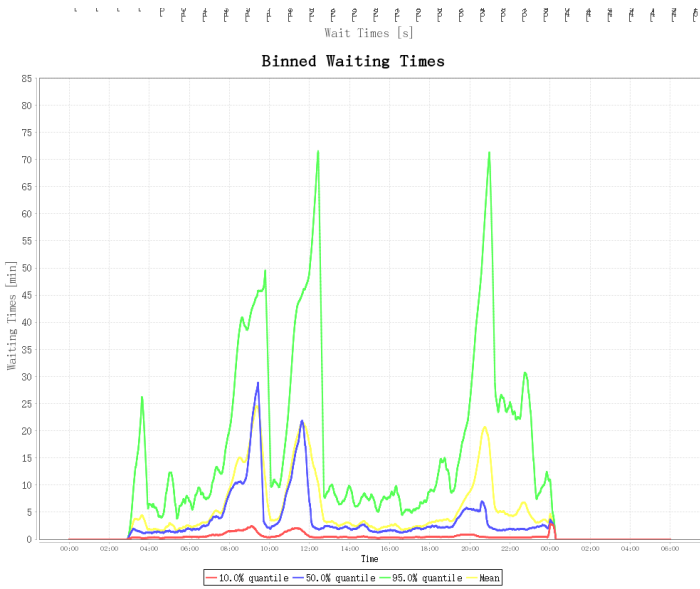
Drive Times

10.0% quantile	00:03:20
50.0% quantile	00:08:10
95.0% quantile	00:43:50
Mean	00:11:24
Maximum:	01:32:10

Number of Requests per Drive Time

Drive Times [s]
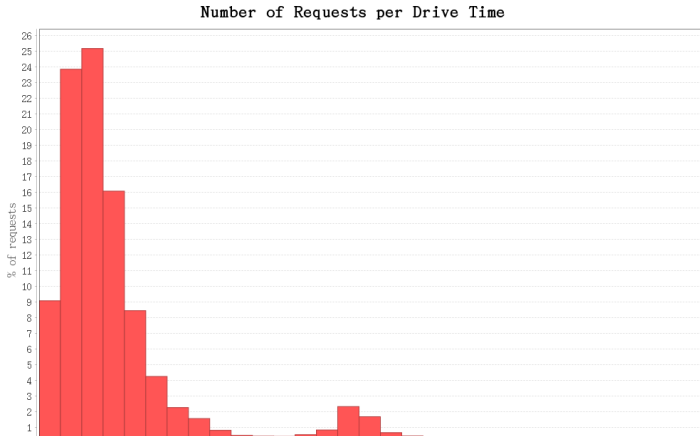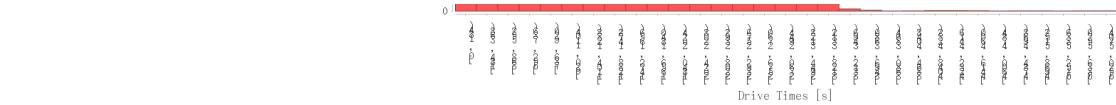
Total Journey Times

10.0% quantile	00:05:46
50.0% quantile	00:11:59
95.0% quantile	00:51:27
Mean	00:16:44
Maximum:	02:04:14

Number of Requests per Total Journey Time

Total Journey Times [s]

Fleet Efficiency

Distance Distribution over Day

with customer ● pickup ● rebalance

Occupancy and Distance Ratios

Number Passengers

Ride Sharing Distribution, fraction of Requests
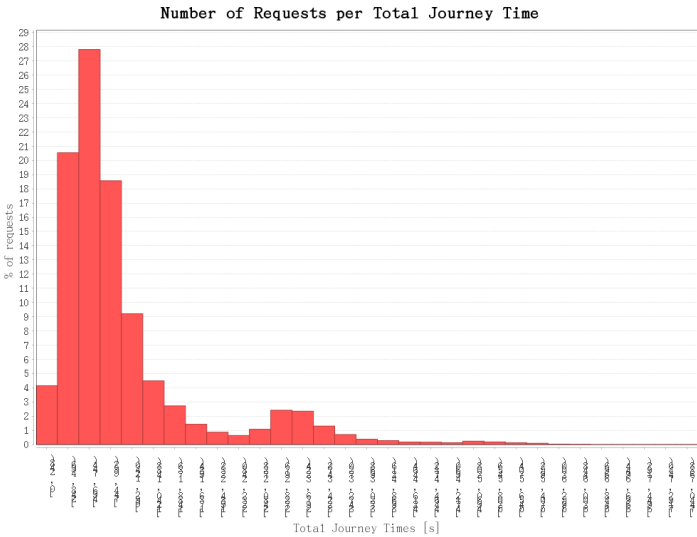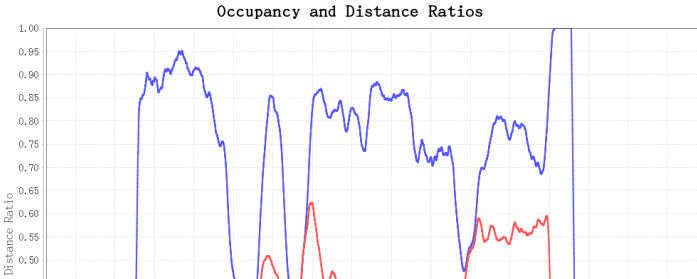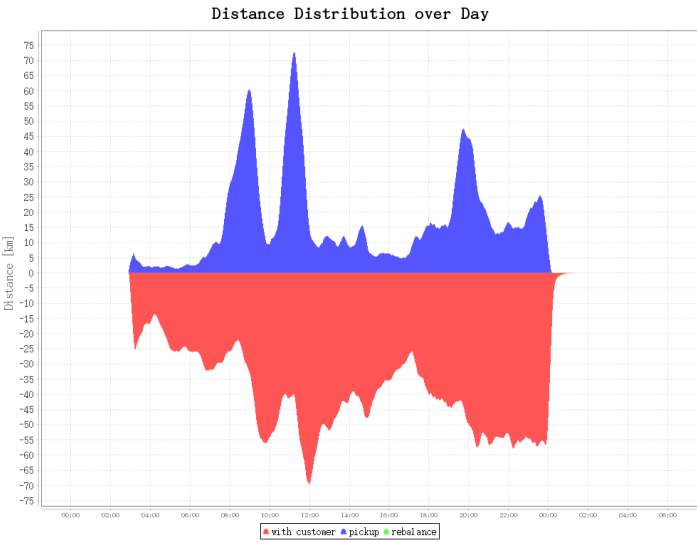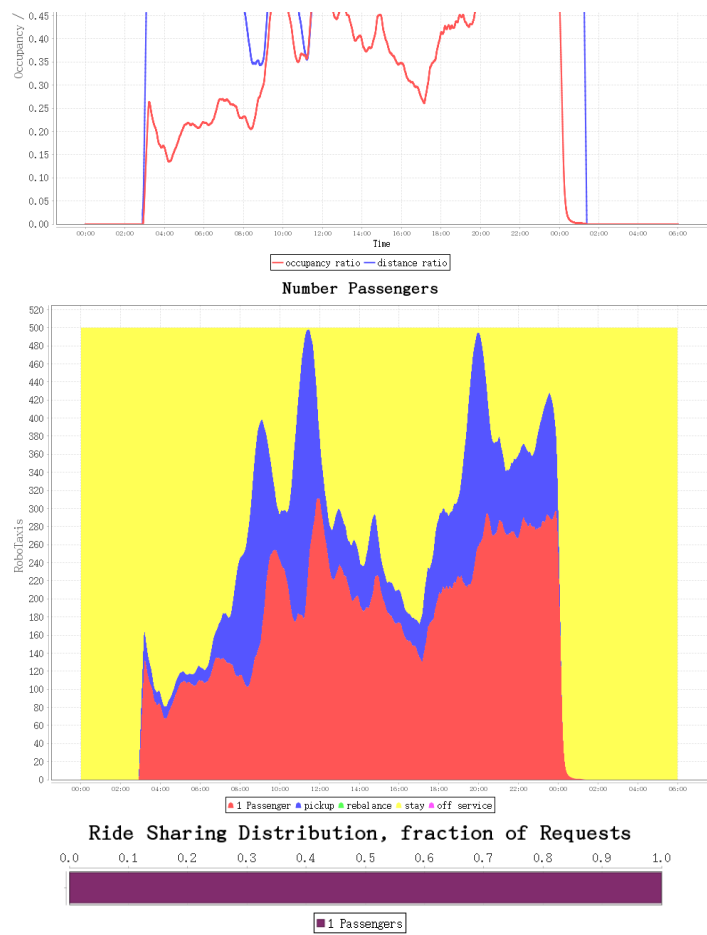
Requests per RoboTaxi Analysis

This histogram shows the number of reuquest served by each Ro

Number of Requests Served per RoboTaxi

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