

- Algo - Projects
- 1.Smart Sorting
- 2.Smart Routing
- 3 Last Mile Driver Group
- 3pl-masking
- 4 WMS - Wave Optimization
5. Retail Forecast
- 6 WMS-Bin Package Problem
7. MM Linehaul Optimization
- 0 - MM Simulation
- Data Description
- Implementation Road Map
- Literature Survey
- Meeting Notes...
- Opportunity Analysis
- Vehicle Cost Optimization (API design)
- Business assumption check(Version 2)
- Business Assumption for Model
- Business Assumption for Planning Model
- Clarification Question
- Version History
8. SLS: Container Loading (Online)
9. WMS - Warehouse Map
10. OR
11. Grouping Problems
12. WMS - Picking Sequence Optimization
- 13.Elastic computing
- 14.Basic operation unit for logistics
- 15.Last Mile Hub forecast
16. 3PL Masking
- Algo - Quality
- Algo - Resources
- Algo - Tech
- MyStock
- SLS(Shopee Logistic)
- SPX(Shopee Xpress)
- SPX （旧文档）
- SBS (Service by Shopee)
- DATA
- Latam Team
- 内部项目 (CICD & APP)
- SSC Internal Projects
- QA Team
- Android Team
- 质量管理
- 内部分享与培训
- 废弃文档归总
- 历史文档归总
- PJM team
- FE Team
- SSC ID
- SCTP (Supply Chain Tech Platform)

Business assumption check(Version 2)

由 hongbo.zhu@shopee.com 创建, 最后修改于 2022-12-09 34 views since 7 Dec 2022

Trip:

- round trip time = loading time + unloading time+2* (prepare departure time+ travel time)+ return DC buffer time
 - loading time 30 mins
 - unloading time 30 mins
 - prepare departure time 5 mins
 - travel time = max(30, (distance/ 30km) * 1.3)
 - return DC buffer time 60 mins (propose 30 mins, need to verify with ops team)
- plan start time 18:00
- plan end time 14:00
- can departure at most 2 trips for 1 hub within 1 hour
- batch cutoff time & delay parcel number: google table
- At least one trip in first batch
- At least one trip in second batch
- At least one trip in last batch
- last trip is at cutoff time - (loading time + prepare departure time+ travel time+ unloading time)

Station:

- station working hour : google table
- Max parcels in staging area for each hub in DC : google sheet table
- every LM hub has only one loading port.
- vehicle restriction for each LM hub: google table

Vehicle:

- Two in-house vehicle types:
 - CDD has capacity of parcels: 3500 (4300 *80%)
 - CDE has capacity of parcels: 2200 (2700*80%)
- vehicles are not tied with LM hubs

Driver:

- drivers can drive any type of vehicle
- drivers can drive any in-house vehicle
- drivers can drive to any LM hubs within one Zone
- working batch for each driver: google sheet
- working hour for each batch: google sheet
- driver can drive cross batch trips
- 30 mins lunch time between 11:00am -13:00pm
- 30 mins dinner time between 5:00pm-7:00pm
- driver has at least 30 mins rest between every two trips

赞

成为第一个赞同者



写评论...

无标签