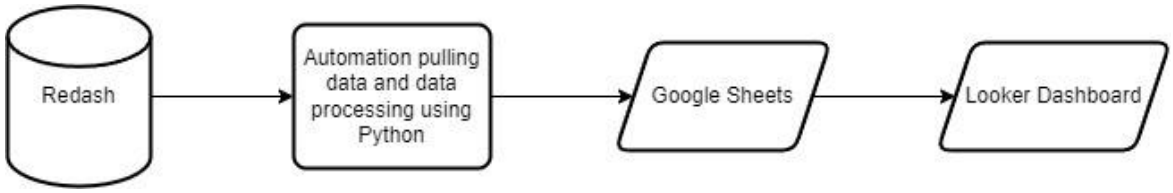
LM GO Dashboard

Background

LM team has low real-time visibility for RM and AM related to last-mile orders thus many processes need to be more streamlined. LM team wants to give the Ground Ops team semi-real-time data visibility for orders that already arrived at the destination hub and some critical process data such as the aging parcels, attempt progress, and PETS ticket

Currently, the LM and Ground Ops team use the AASH report for monitoring orders at the destination hub that are only reported twice a day (in the morning and at the end of the day)

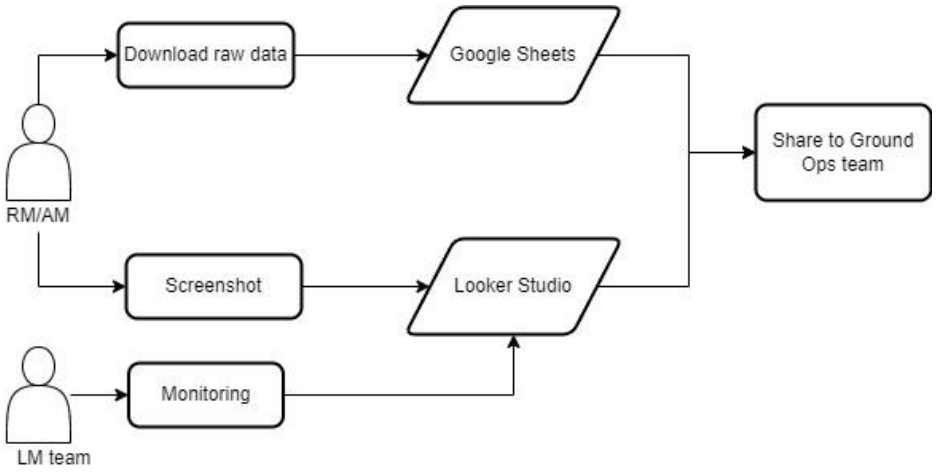
Data Processing Flow



Using Redash as the main data source, Python will pull data from a few Redash queries that were created, and then process all the data pulled from Redash queries into raw data. After raw data is created, Python will store it in Google Sheets as the data source for the dashboard.

Dashboard will read the Google Sheets file and convert the data into some visualization. This dashboard is set to automatically refresh every 2-4 hours to make it a semi-real-time dashboard.

Use Case



User for this dashboard are LM team and RM/AM Ground Ops team. For RM/AM they need to screenshot the dashboard and download the dashboard raw data in Google Sheets then share to the Ground Ops team for follow-up actions. For LM team, use the dashboard for order monitoring

Detail Parameter

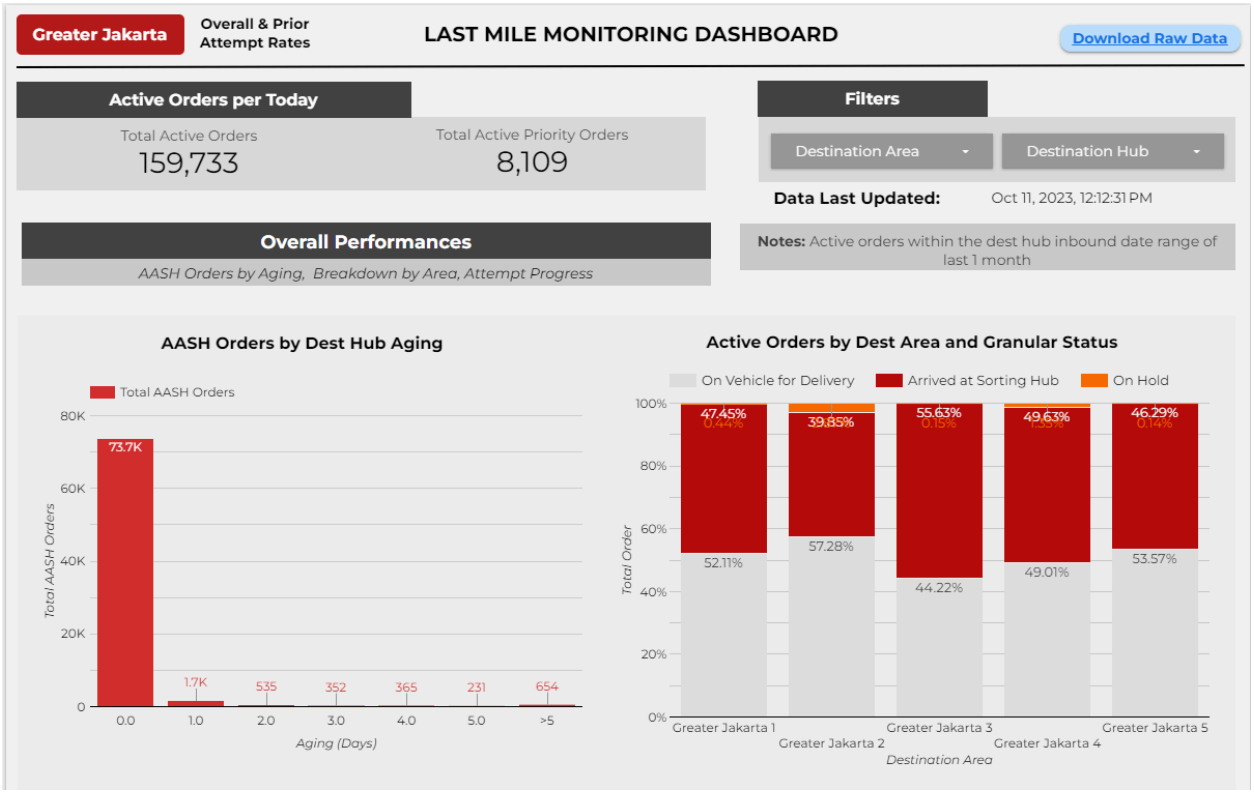
LM team requested to show these parameters:
1. Active orders that already arrived at the destination hub, breakdown by destination area and destination hub (**current logic is using the intohub datetime, timestamp when the shipment arrives at the dest hub)**
2. Delivery attempt progress, breakdown by destination hub, and granular status
3. Priority parcels
4. Active PETS Ticket parcels, breakdown by destination hub

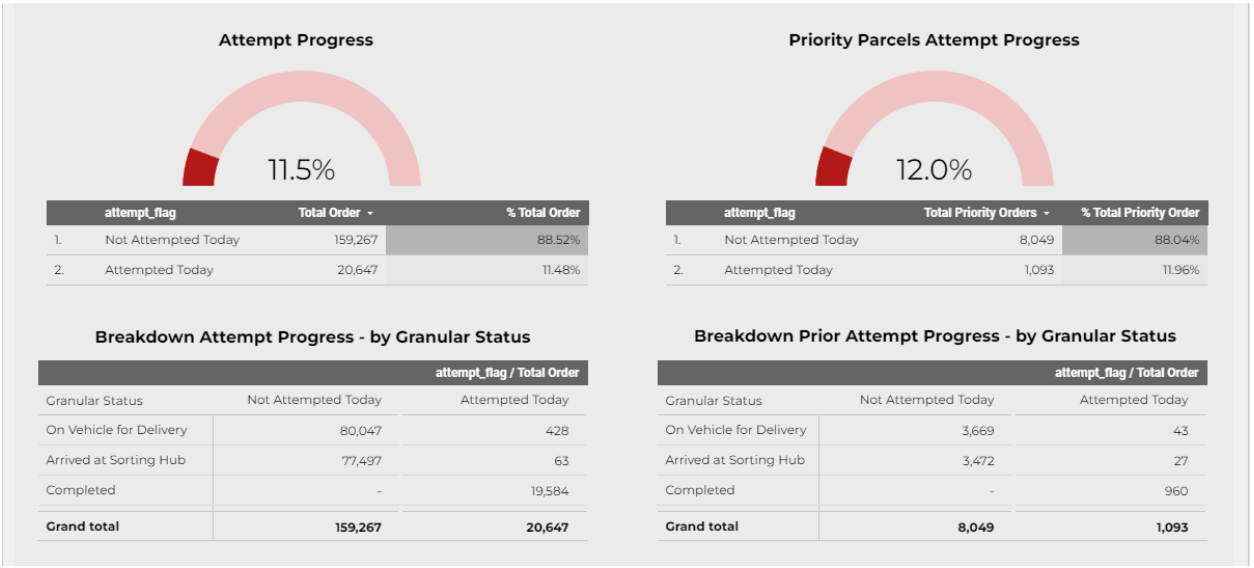
No	Parameters	Logic Explanation
1.	Active AASH orders	Orders with status ‘Arrived at Sorting Hub’, ‘On Vehicle for Delivery’ and ‘On Hold’
2.	Parcel aging	Days aging parcels since arrived at destination hub
3.	Delivery attempt progress	% Total parcels attempted today per total parcels arrived at destination hub today
4.	Priority parcels	Parcel with PRIOR tagged
5.	Active PETS Ticket parcels	Parcel with active PETS tickets created (missing and damaged)

Dashboard Interface

Dashboards link LM Reg Dashboard - Google Sheets

Active Orders page





	attempt_flag	Total Order	% Total Order
1.	Not Attempted Today	159,267	88.52%
2.	Attempted Today	20,647	11.48%

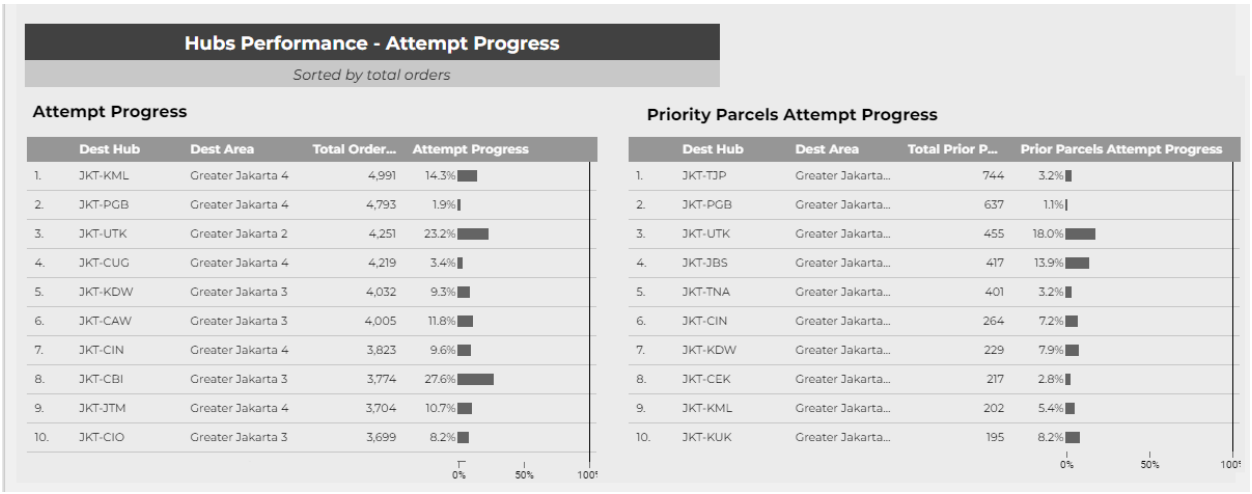
	attempt_flag	Total Priority Orders	% Total Priority Order
1.	Not Attempted Today	8,049	88.04%
2.	Attempted Today	1,093	11.96%

Breakdown Attempt Progress - by Granular Status

	attempt_flag / Total Order	
Granular Status	Not Attempted Today	Attempted Today
On Vehicle for Delivery	80,047	428
Arrived at Sorting Hub	77,497	63
Completed	-	19,584
Grand total	**159,267**	**20,647**

Breakdown Prior Attempt Progress - by Granular Status

	attempt_flag / Total Order	
Granular Status	Not Attempted Today	Attempted Today
On Vehicle for Delivery	3,669	43
Arrived at Sorting Hub	3,472	27
Completed	-	960
Grand total	**8,049**	**1,093**



Hubs Performance - Attempt Progress

Sorted by total orders

Attempt Progress

	Dest Hub	Dest Area	Total Order...	Attempt Progress
1.	JKT-KML	Greater Jakarta 4	4,991	14.3%
2.	JKT-PGB	Greater Jakarta 4	4,793	1.9%
3.	JKT-UTK	Greater Jakarta 2	4,251	23.2%
4.	JKT-CUG	Greater Jakarta 4	4,219	3.4%
5.	JKT-KDW	Greater Jakarta 3	4,032	9.3%
6.	JKT-CAW	Greater Jakarta 3	4,005	11.8%
7.	JKT-CIN	Greater Jakarta 4	3,823	9.6%
8.	JKT-CBI	Greater Jakarta 3	3,774	27.6%
9.	JKT-JTM	Greater Jakarta 4	3,704	10.7%
10.	JKT-CIO	Greater Jakarta 3	3,699	8.2%

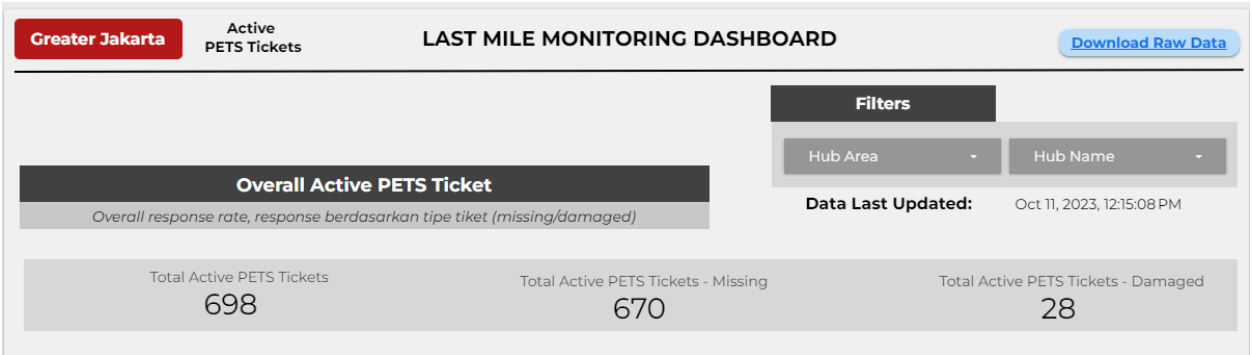
0% 50% 100%

Priority Parcels Attempt Progress

	Dest Hub	Dest Area	Total Prior P...	Prior Parcels Attempt Progress
1.	JKT-TJP	Greater Jakarta...	744	3.2%
2.	JKT-PGB	Greater Jakarta...	637	1.1%
3.	JKT-UTK	Greater Jakarta...	455	18.0%
4.	JKT-JBS	Greater Jakarta...	417	13.9%
5.	JKT-TNA	Greater Jakarta...	401	3.2%
6.	JKT-CIN	Greater Jakarta...	264	7.2%
7.	JKT-KDW	Greater Jakarta...	229	7.9%
8.	JKT-CEK	Greater Jakarta...	217	2.8%
9.	JKT-KML	Greater Jakarta...	202	5.4%
10.	JKT-KUK	Greater Jakarta...	195	8.2%

0% 50% 100%

Active PETS Ticket Orders page



Greater Jakarta

Active PETS Tickets

LAST MILE MONITORING DASHBOARD

Download Raw Data

Filters

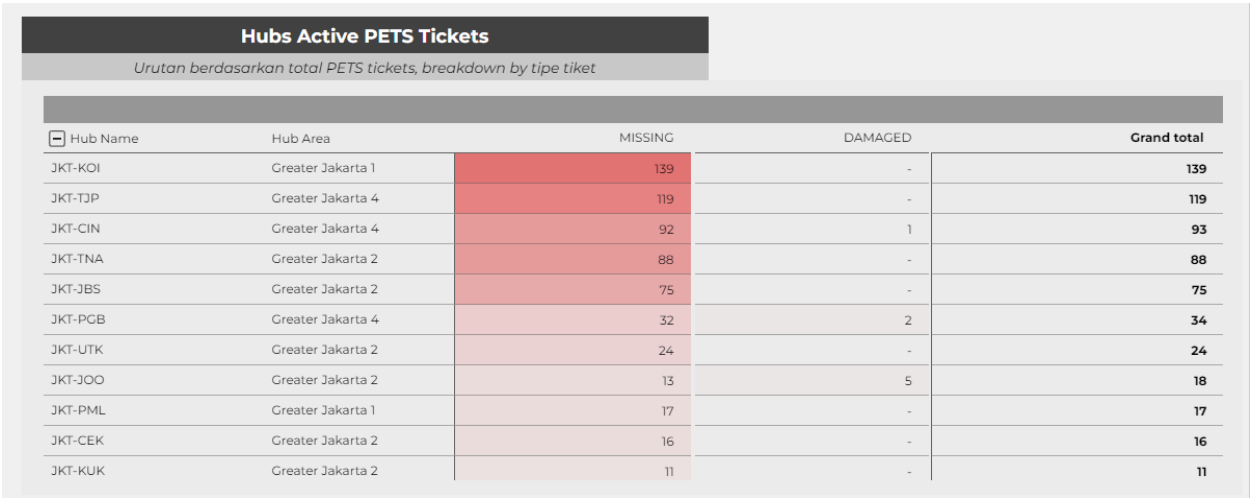
Hub Area | Hub Name

Data Last Updated: Oct 11, 2023, 12:15:08 PM

Overall Active PETS Ticket

Overall response rate, response berdasarkan tipe tiket (missing/damaged)

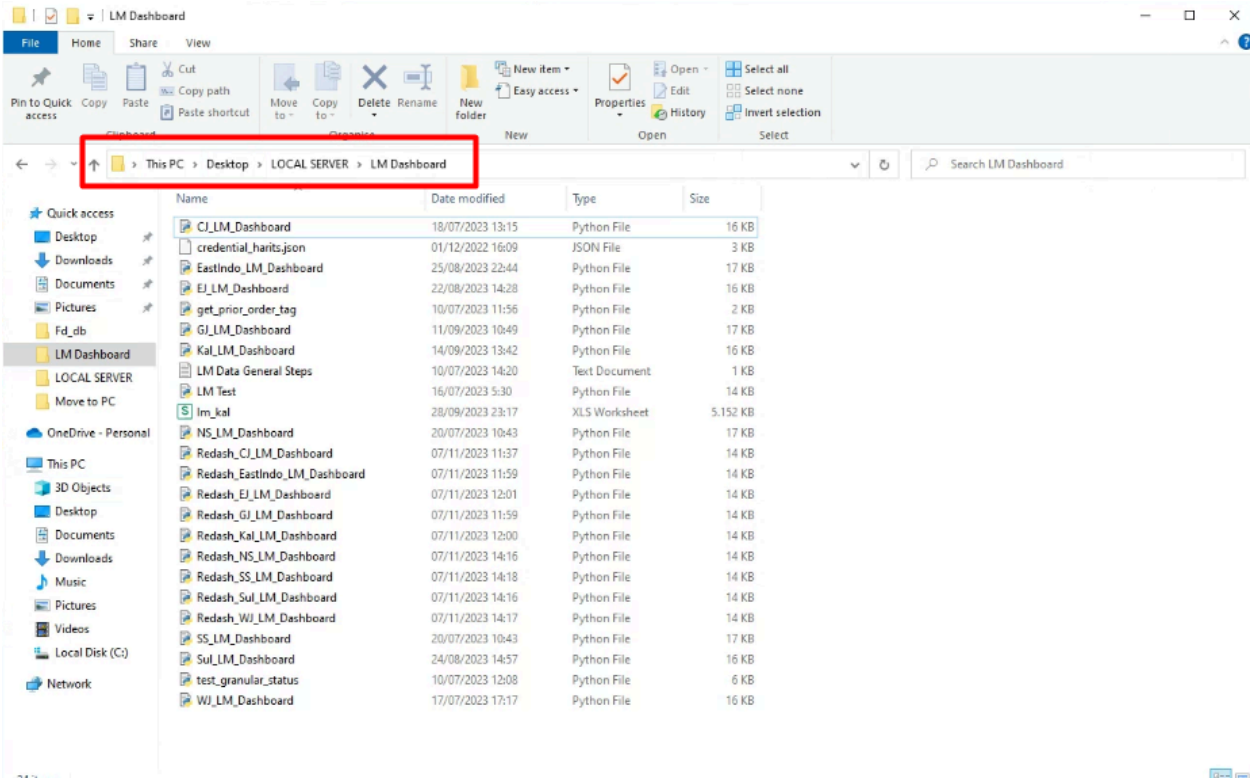
Total Active PETS Tickets	Total Active PETS Tickets - Missing	Total Active PETS Tickets - Damaged
698	670	28



Hubs Active PETS Tickets

Urutan berdasarkan total PETS tickets, breakdown by tipe tiket

Hub Name	Hub Area	MISSING	DAMAGED	Grand total
JKT-KOI	Greater Jakarta 1	139	-	**139**
JKT-TJP	Greater Jakarta 4	119	-	**119**
JKT-CIN	Greater Jakarta 4	92	1	**93**
JKT-TNA	Greater Jakarta 2	88	-	**88**
JKT-JBS	Greater Jakarta 2	75	-	**75**
JKT-PGB	Greater Jakarta 4	32	2	**34**
JKT-UTK	Greater Jakarta 2	24	-	**24**
JKT-JOO	Greater Jakarta 2	13	5	**18**
JKT-PML	Greater Jakarta 1	17	-	**17**
JKT-CEK	Greater Jakarta 2	16	-	**16**
JKT-KUK	Greater Jakarta 2	11	-	**11**

Appendix

LM Dashboard uses Local PC to execute, to locate the script file:
Open local PC > Desktop > LOCAL SERVER folder > LM Dashboard folder