

Los Angeles Bike Share: Past, Pandemic, and Future

Why Bike Share Data?

- Interested in transportation, exercise, and “micromobility”
- I began biking during the pandemic
- Is micromobility here to stay?
 - How do we plan our cities?
 - Dock or dockless?

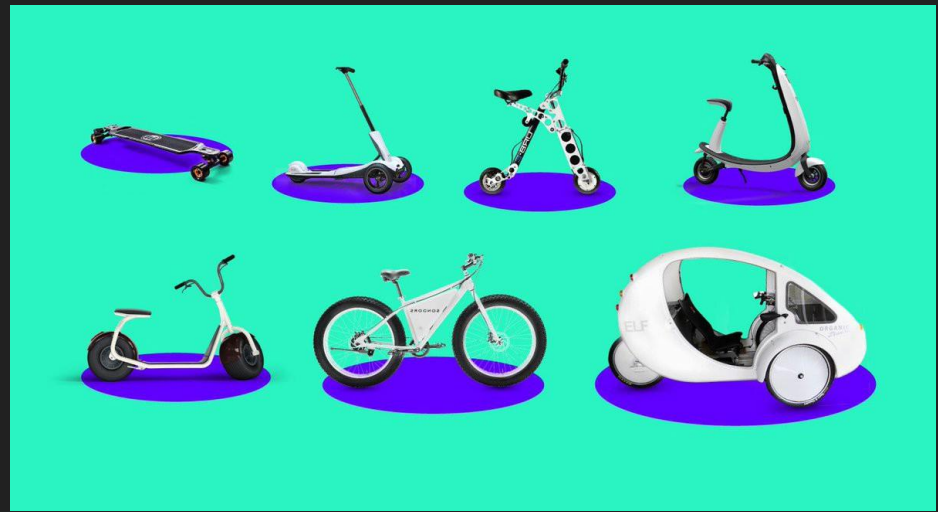


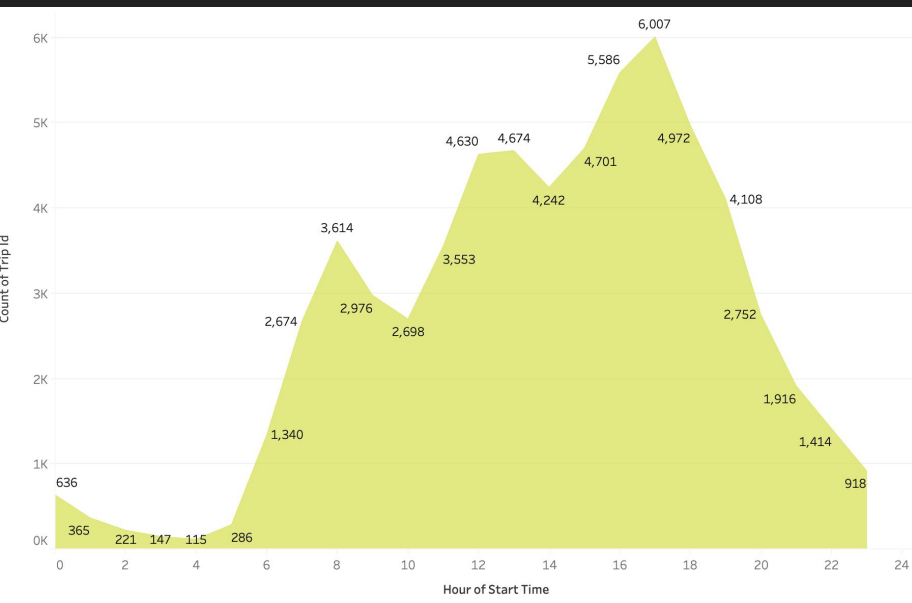
Image from [Medium](#)



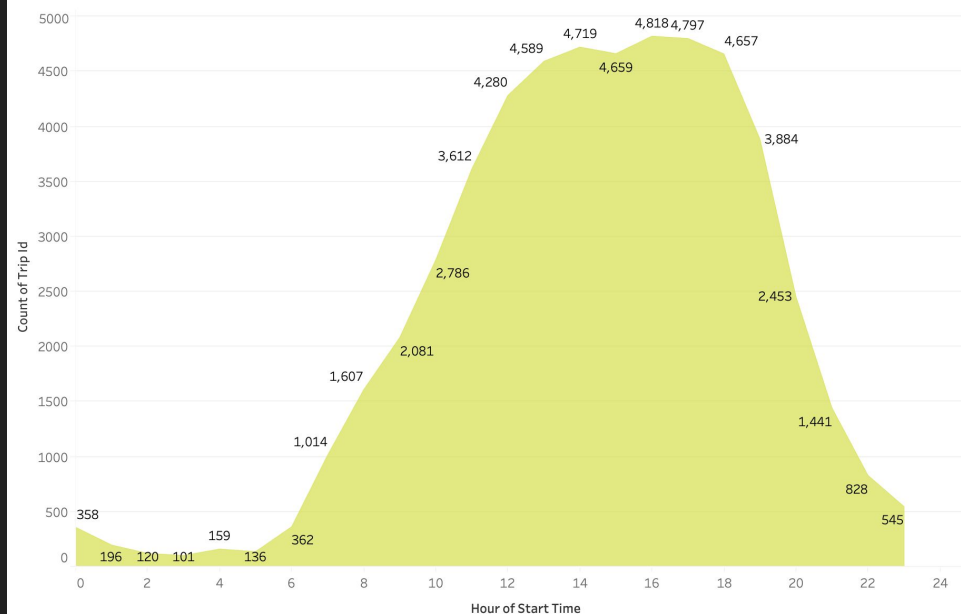
Image from
[Metro Bike Share](#)

Sample Visualization: Count by Hour of Start Time

April-June 2019



April-June 2020



The Process

- Imported 2020 trips .csv file into Tableau (data from bikeshare.metro.net)
- Left Joined 2020 trips file two times (for start and end station) with bike station name file ([learn how to do this](#))

trip_id	duration	start_time	end_time	start_station
140275793	14	4/1/2020 0:05	4/1/2020 0:19	4491
140275993	9	4/1/2020 0:19	4/1/2020 0:28	4491
140276293	18	4/1/2020 0:22	4/1/2020 0:40	3076
140276793	20	4/1/2020 0:41	4/1/2020 1:01	3076
140277293	25	4/1/2020 1:02	4/1/2020 1:27	3076
140277694	19	4/1/2020 1:27	4/1/2020 1:46	3033

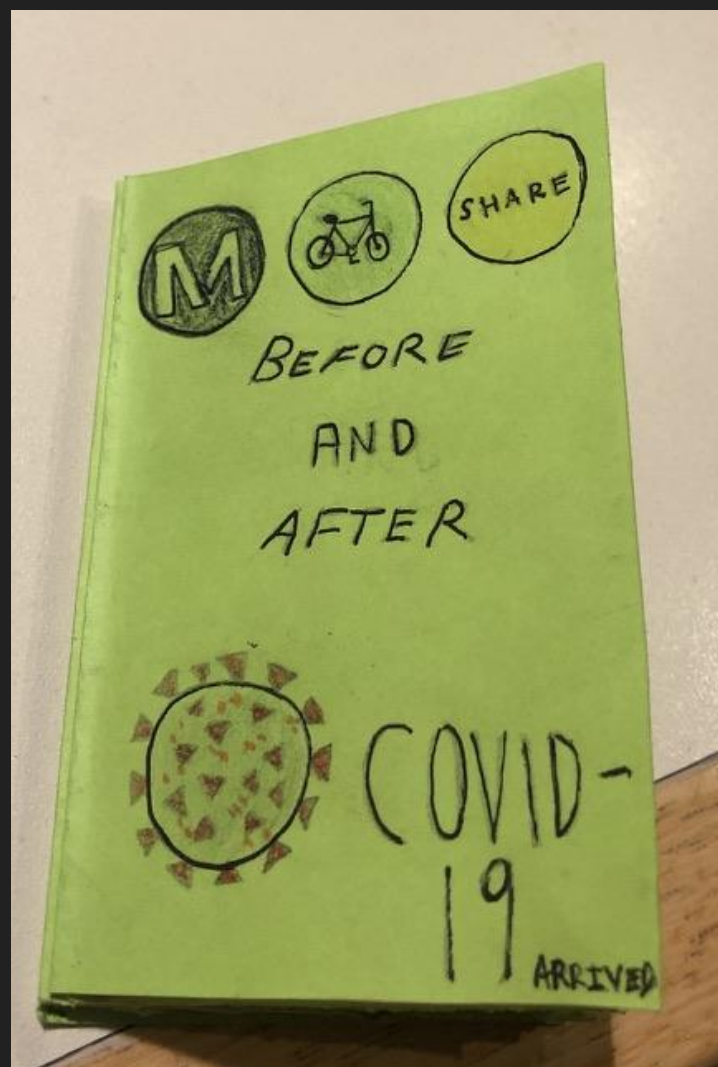
+

Station_ID	Station_Name	Go_live_date	Region	Status
3000	Virtual Station	7/7/16	N/A	Active
3005	7th & Flower	7/7/16	DTLA	Active
3006	Olive & 8th	7/7/16	DTLA	Active
3007	5th & Grand	7/7/16	DTLA	Active
3008	Figueroa & 9th	7/7/16	DTLA	Active
3010	11th & Maple	7/10/16	DTLA	Active
3011	Figueroa & Pico	7/12/16	DTLA	Active

- Repeat with 2019 data
- Kept 2019 & 2020 visualizations separate
 - Focus on the shape
 - Can study years individually too

Zine

- Wanted to make my own maps on paper
- Compare routes in 2019 vs 2020 (during COVID-19)
- Audience: Anyone who uses LA public transit (including these bikes)
- Story: see where Metro bikers are going pre-COVID & during COVID
- Would like to add to my zine at a later time-also compare bike usage to car usage



APRIL

TO

JUNE

2019

Before
COVID-19...

THE MOST

POPULAR



START
STATION



AND
THE MOST

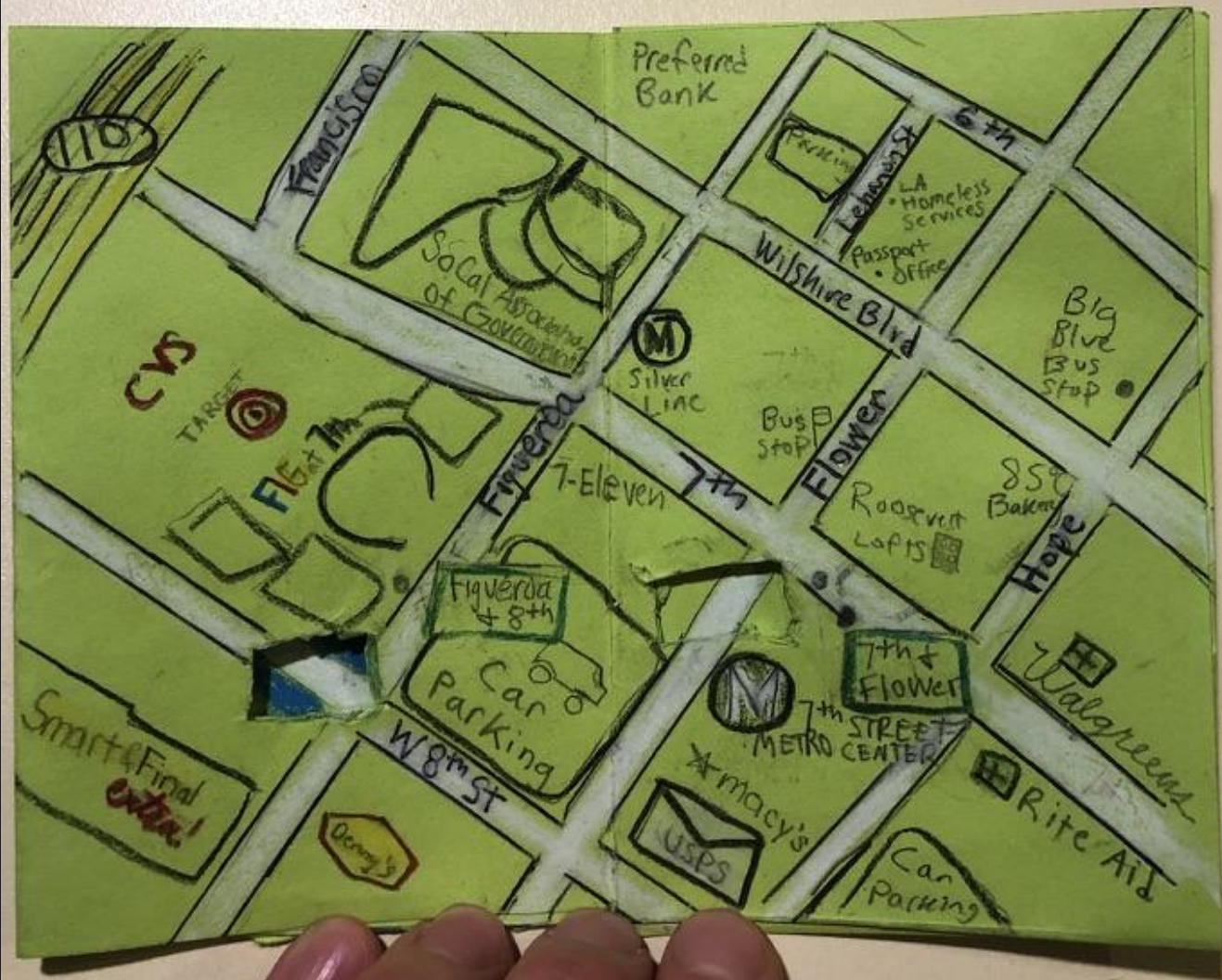
POPULAR



END
STATION



April to June 2019



but... for 2020, THE MOST
POPULAR START AND END
STATION FROM APRIL TO JUNE

WAS



go back

← a page to
see the map!

- This is where I want to expand-ran out of time):

Reasons the popular stations could have changed:

- LADOT + California DOT working remotely in 2020, but used Metro bikes to commute before COVID
- + FIG at 7th became popular since it is the destination of essential shops
- More people ended at 7th and Flower in 2019 to catch the Metro