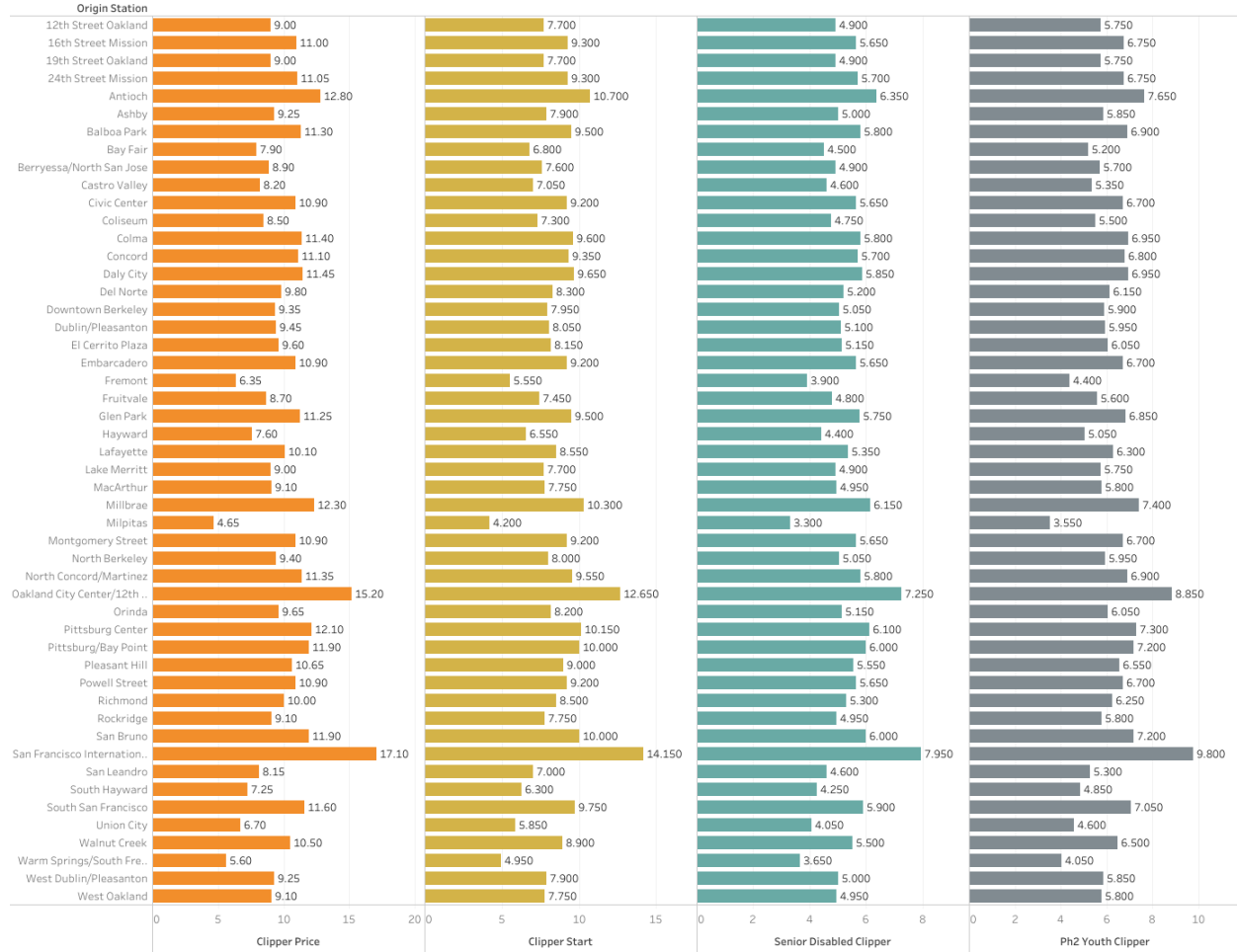


Visualizations

Current BART+VTA Cost to reach SJSU (Till Phase 2)



The above visualization shows, current cost to commute to SJSU from different BART stations. We have also similarly shown what would be the cost if Phase 2 is implemented.

<https://public.tableau.com/app/profile/nikhil3423/viz/SJSU-dbms/BARTFareCalculator> - This Visualization helps with the fare calculation between different BART stations.

<https://public.tableau.com/app/profile/nikhil3423/viz/BARTupdatedpriceswithPhase2/Sheet3> - This Visualization helps us in understanding the cost to commute to SJSU from different BART stations after the Phase 2 is implemented

<https://public.tableau.com/app/profile/nikhil3423/viz/dbms-sjsu4/Sheet2> - This Visualization helps us know the BART stations with the highest number of touchpoints through different schedules

<https://public.tableau.com/app/profile/nikhil3423/viz/dbms-sjsu3/Sheet1> - This Visualization helps us to know the BART stations with the highest number of functional routes attached to that BART station.

The screenshot shows the Google Cloud Data Studio interface. On the left is the Explorer pane with a search bar and a list of workspace resources including 'BART_transform', 'VTA', 'VTA_model', 'from_sjsu', 'to_fro_berryessa', 'VTA_transform', 'date', 'dbt', 'dbt_demo', 'bart_next_stop', 'bart_riders_fare', 'bart_service', 'date', and 'next_arrival'. The main area displays a query titled 'Untitled' with the SQL statement: `select * from dbms-sjsu.VTA_model1.from_sjsu`. Below the query editor, the 'Query results' section is active, showing a table with 13 rows and 5 columns: 'Row', 'route_name', 'stop_name', 'arrival_time', and 'departure_time'. The table lists various BART routes (Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North, Rapid 500 North) and their arrival and departure times at Santa Clara & 6th. The interface also includes a top navigation bar with 'Google Cloud', 'dbms-sjsu', a search bar, and a bottom status bar with 'PERSONAL HISTORY', 'PROJECT HISTORY', and a 'REFRESH' button.

Row	route_name	stop_name	arrival_time	departure_time
1	Rapid 500 North	Santa Clara & 6th	4:32:11	4:32:11
2	Rapid 500 North	Santa Clara & 6th	4:59:11	4:59:11
3	Rapid 500 North	Santa Clara & 6th	5:29:11	5:29:11
4	Rapid 500 North	Santa Clara & 6th	5:29:11	5:29:11
5	Rapid 500 North	Santa Clara & 6th	5:44:11	5:44:11
6	Rapid 500 North	Santa Clara & 6th	5:59:11	5:59:11
7	Rapid 500 North	Santa Clara & 6th	6:29:11	6:29:11
8	Rapid 500 North	Santa Clara & 6th	7:29:11	7:29:11
9	Rapid 500 North	Santa Clara & 6th	7:45:11	7:45:11
10	Rapid 500 North	Santa Clara & 6th	5:58:23	5:58:23
11	Rapid 500 North	Santa Clara & 6th	6:13:23	6:13:23
12	Rapid 500 North	Santa Clara & 6th	6:28:23	6:28:23
13	Rapid 500 North	Santa Clara & 6th	6:43:23	6:43:23

This table essentially gives us all the routes which directly touch Santa Clara 6th (considered as the SJSU bus stop due to the rush here)

The Below Table gives us all the routes from Berryessa BART station along with their arrival and departure times.

