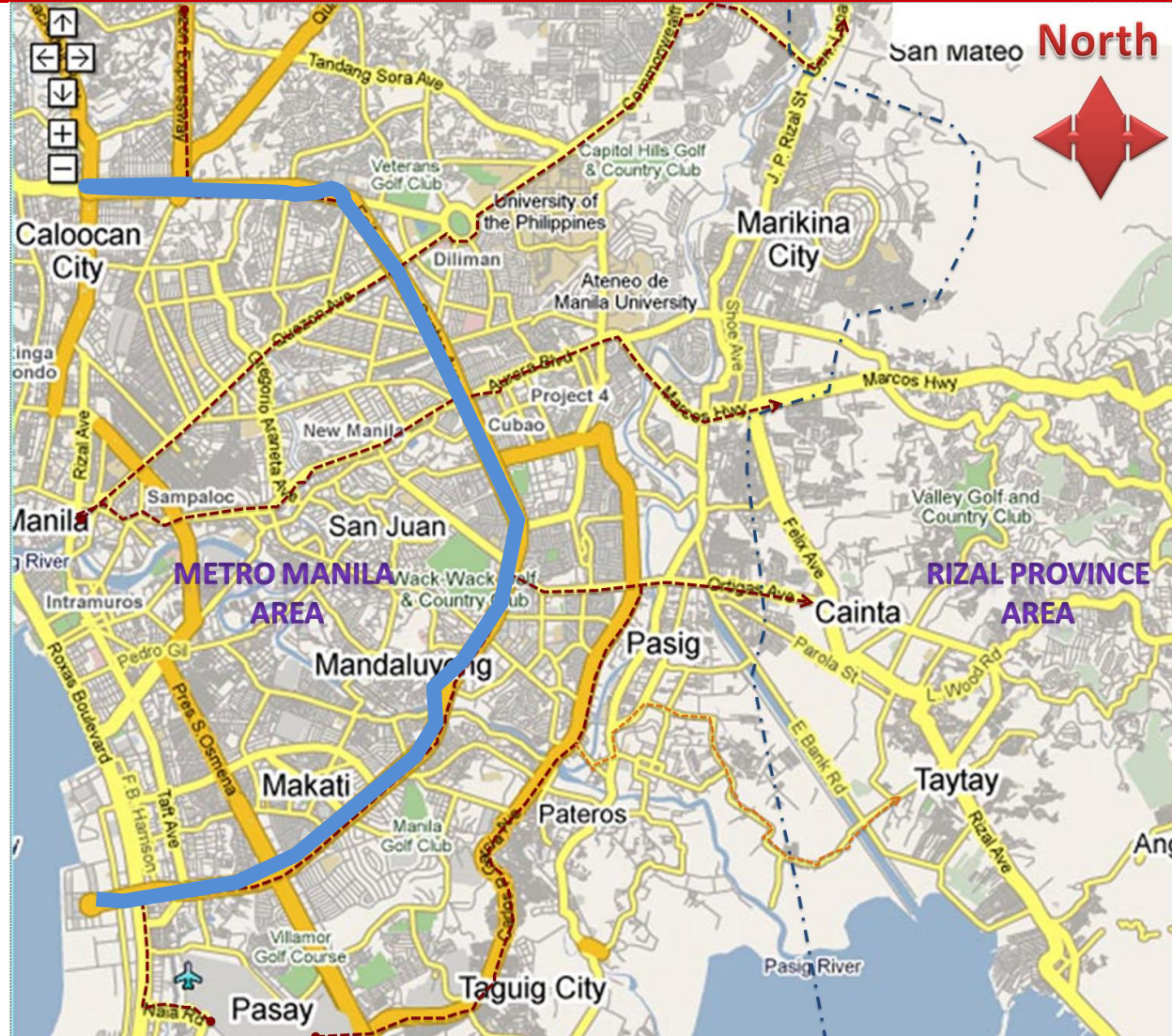


Characterizing Bus Passenger Demand along Epifanio de los Santos Avenue (EDSA), Metro Manila

Sean Johnlee Ting, Dr. Alexis Fillone

Study Area



- Passes through 6 cities
- 24 kilometers
- Average daily traffic of 330,000 vehicles (Vallarta, 2011)
- 3,700 buses daily

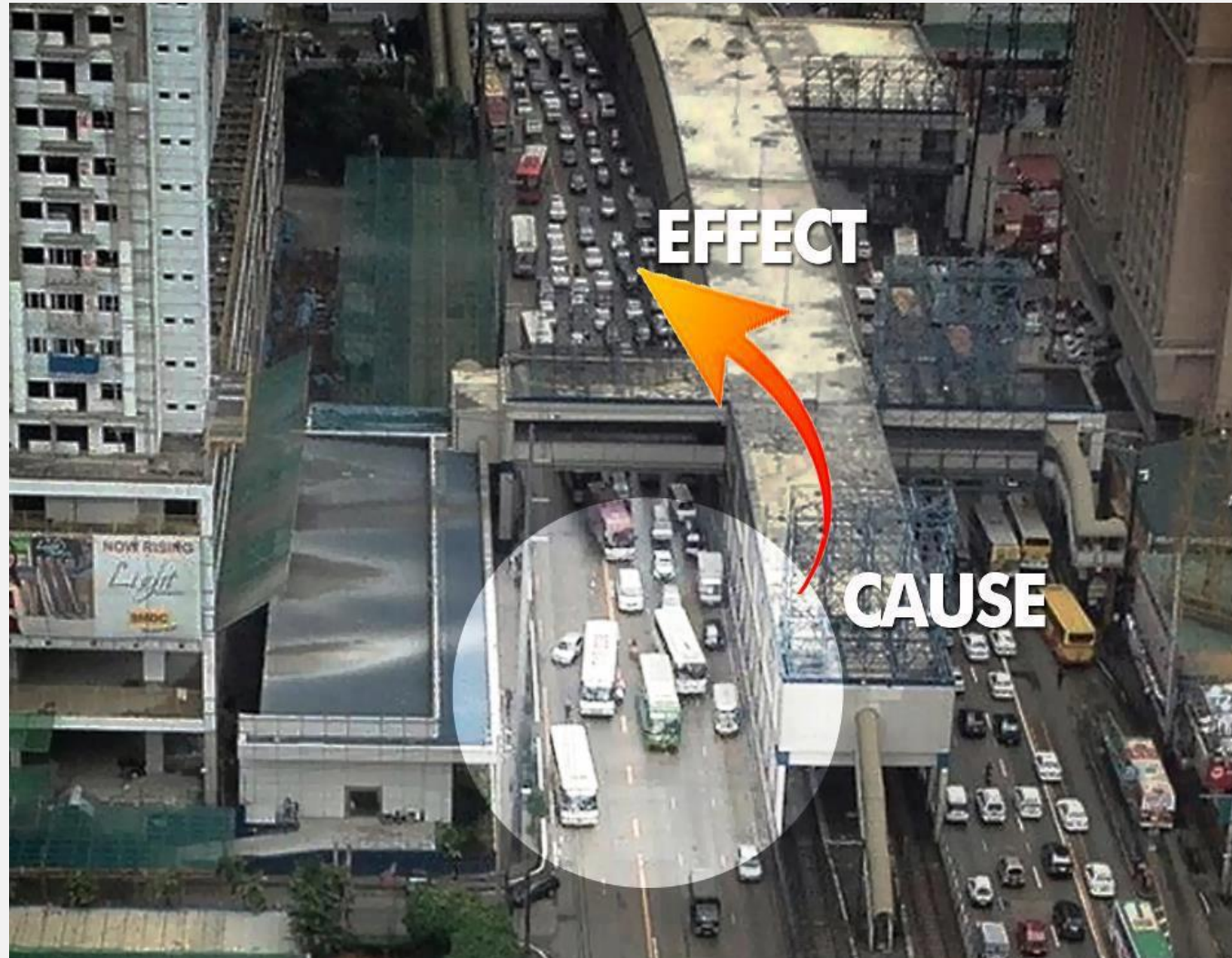
Study Area



Study Area



Study Area



Sample Questionnaire Survey

ANNEX A

Control NO. _____

PUB USERS QUESTIONNAIRE SURVEY AT BUS STOPS

Surveyor's Name: _____

Date and Time of Survey: _____ Location of Bus Stop: _____

Travel Purpose: __ home __ work __ school __ shop __ business __ personal __ others: _____

Access Travel Information

Address kung saan nanggaling (At least Barangay, City / Landmark) _____

Anu-ano ang mga sinakyan mo papunta dito sa bus station? Magkano binayad mo? [Php] Gaano katagal ang biyahe? [hr:min] |

☐ WALK	☐ TRICYCLE	☐ JEEPNEY	☐ FX/VAN	☐ BUS	☐ TAXI	☐ MOTORCYCLE	☐ CAR	☐ OTHERS: _____
								[Php]
								[hr:min]

Bus Travel Information

Anong bus sinasakyan mo? __ Aircon __ NonAircon

Bus Letter: __ A __ B __ C

Anong Route (Sign Board) ng bus? _____

Magkano ang binabayad mo sa bus? _____

Base sa experience, gaano katagal ang biyahe mo sa bus? _____

Saan ka banda bababa ng bus? _____

Egress Travel Information

Address ng destination mo? (At least Barangay, City / Landmark) _____

Anu-ano ang mga sinasakyan mo papunta sa destinasyon mo? Magkano binabayad mo? [Php] Gaano katagal ang biyahe? [hr:min]

☐ WALK	☐ TRICYCLE	☐ JEEPNEY	☐ FX/VAN	☐ BUS	☐ TAXI	☐ MOTORCYCLE	☐ CAR	☐ OTHERS: _____
								[Php]
								[hr:min]

Personal Information

Personal Income: __ below Php 3000 __ Php 10000 – 14999 __ Php 30000 – 49999 __ Php 100000 – 149999

Actual Amount: __ Php 3000 – 5999 __ Php 15000 – 19999 __ Php 50000 – 74999 __ Php 150000 – 200000

__ Php 6000 – 9999 __ Php 20000 – 29999 __ Php 75000 – 99999 __ above Php 200000

Gender __ M __ F Age: _____

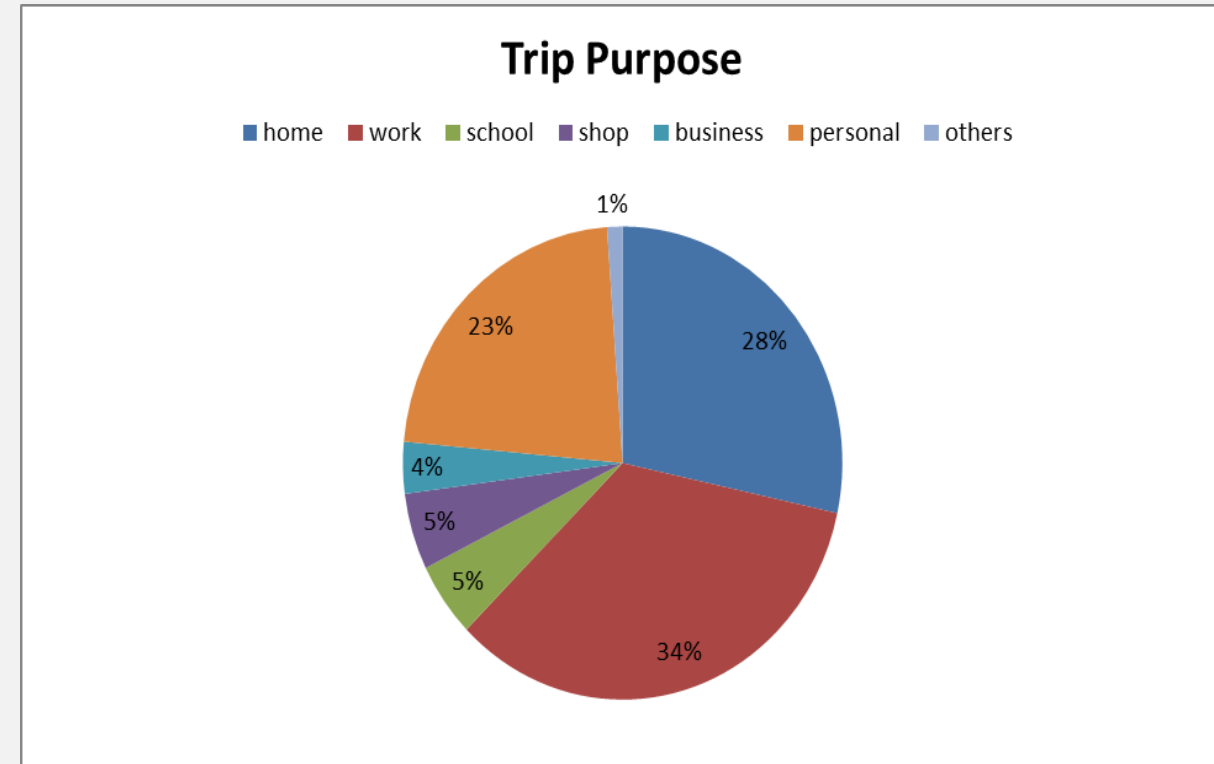
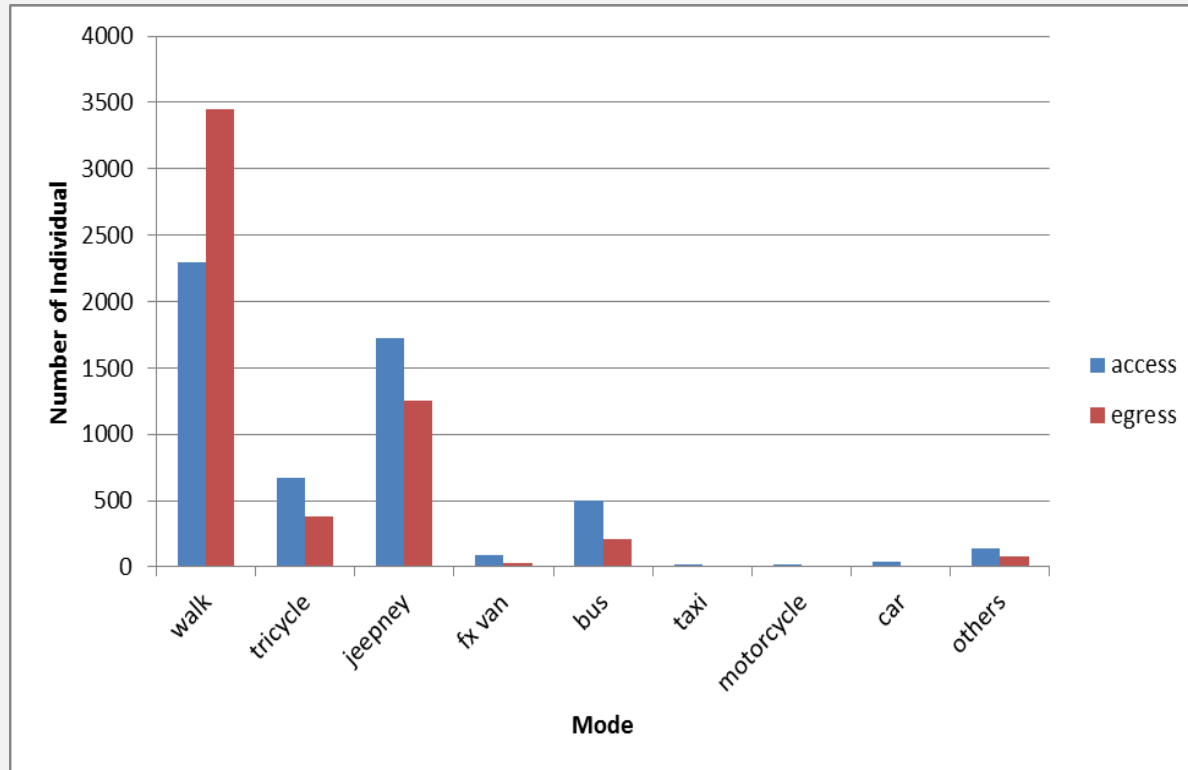
Occupation ☐ Student ☐ Employee / Worker ☐ Self-Employed ☐ Unemployed ☐ Others: _____Does your household own a private vehicle? Check all that applies. ☐ Car / SUV ☐ Motorcycle

Socioeconomic and Travel Characteristics

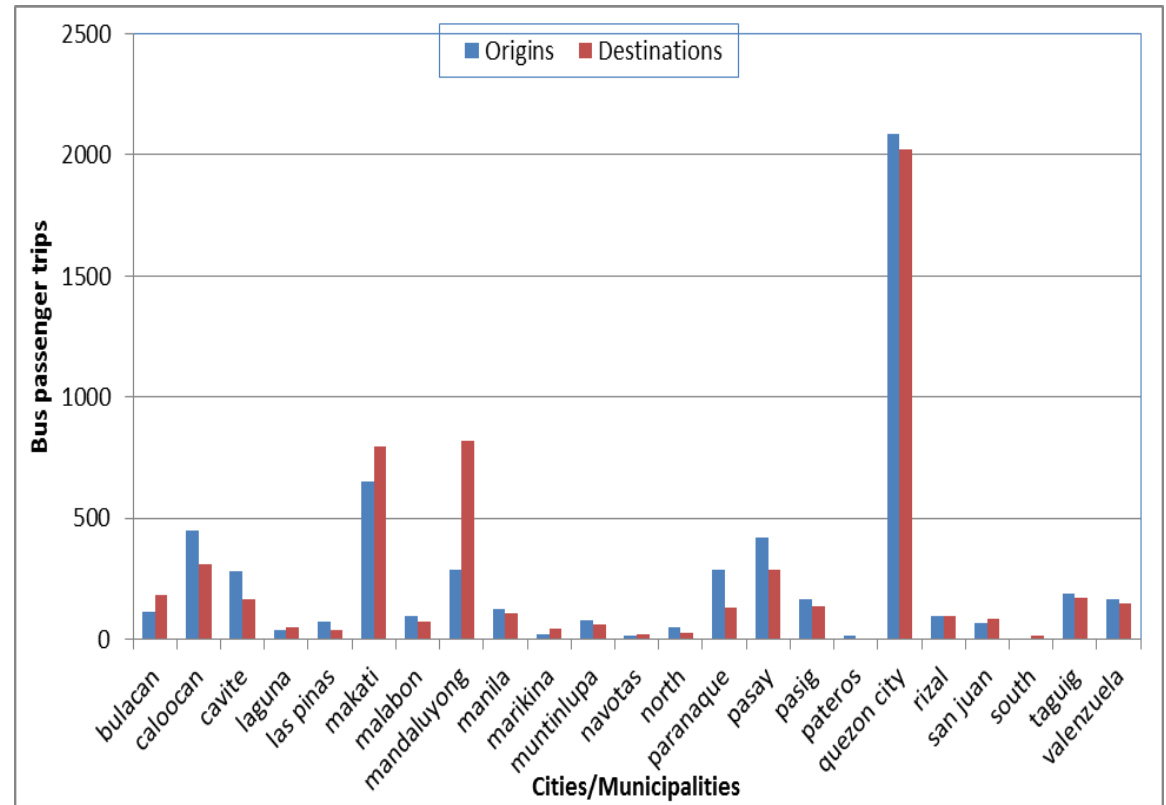
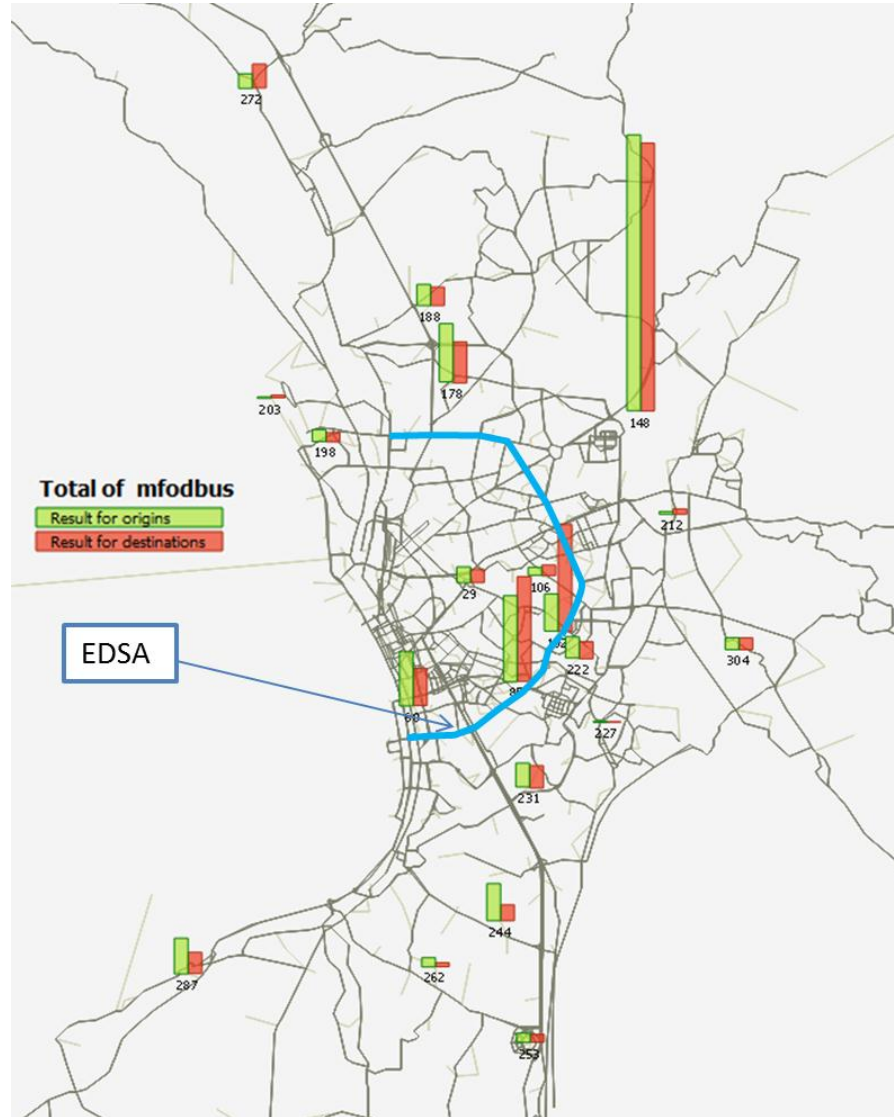
	Aircon (AC)	Non aircon (NAC)	All
No. of Samples	3514	2405	5919
Gender			
Male	1868	1430	3298
Female	1646	975	2621
Age Mean:	30.67	31.88	31.17
Stdev:	10.49	11.14	10.77
Income Mean:	11,516.68	9,289.61	10,611.42
Stdev:	10,728.20	7,960.77	9,760.16
Vehicle Ownership			
No private vehicle	2948	2133	5081
With private vehicle	566	272	831
Occupation			
Employed	2537	1742	4279
Not Employed (including students)	977	663	1640

	Aircon	Non aircon	All
No. of Samples	3514	2405	5919
Access			
Cost (Php) mean:	13.29	11.06	12.38
Stdev:	38.06	29.92	35
Time (min) mean:	21.03	20.81	20.94
Stdev:	38.25	29.62	35
Egress			
Cost(Php) mean:	8.13	7.20	7.75
Stdev:	33.23	21.07	28.92
Time(min) mean:	16.91	16.79	16.87
Stdev:	40.54	30.14	36.67
Bus			
Cost (Php) mean:	25.87	24.79	25.43
Stdev:	15.95	16.27	16.09
Time(min) mean:	55.64	58.23	56.70
Stdev:	39.35	42.59	40.73
Dist_travel(km) mean:	10.86	7.16	9.72
Stdev:	8.16	9.34	8.71
Total			
Cost (Php) mean:	47.29	43.05	45.57
Stdev:	54.37	41.59	49.61
Time (min) mean:	93.52	95.88	94.48
Stdev:	70.87	63.16	67.83

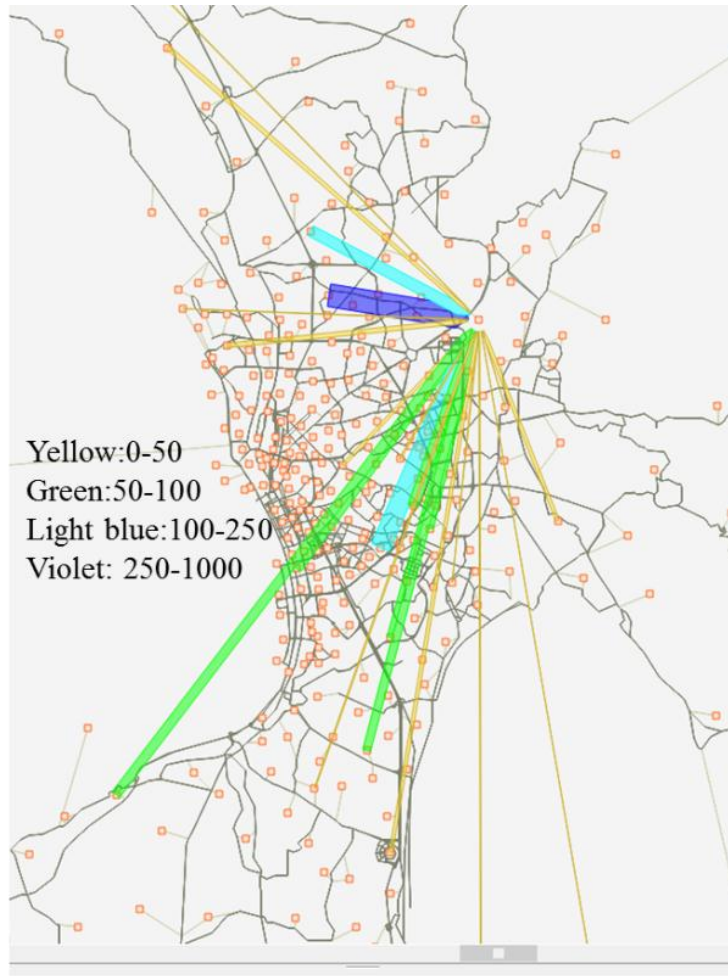
Travel Characteristics



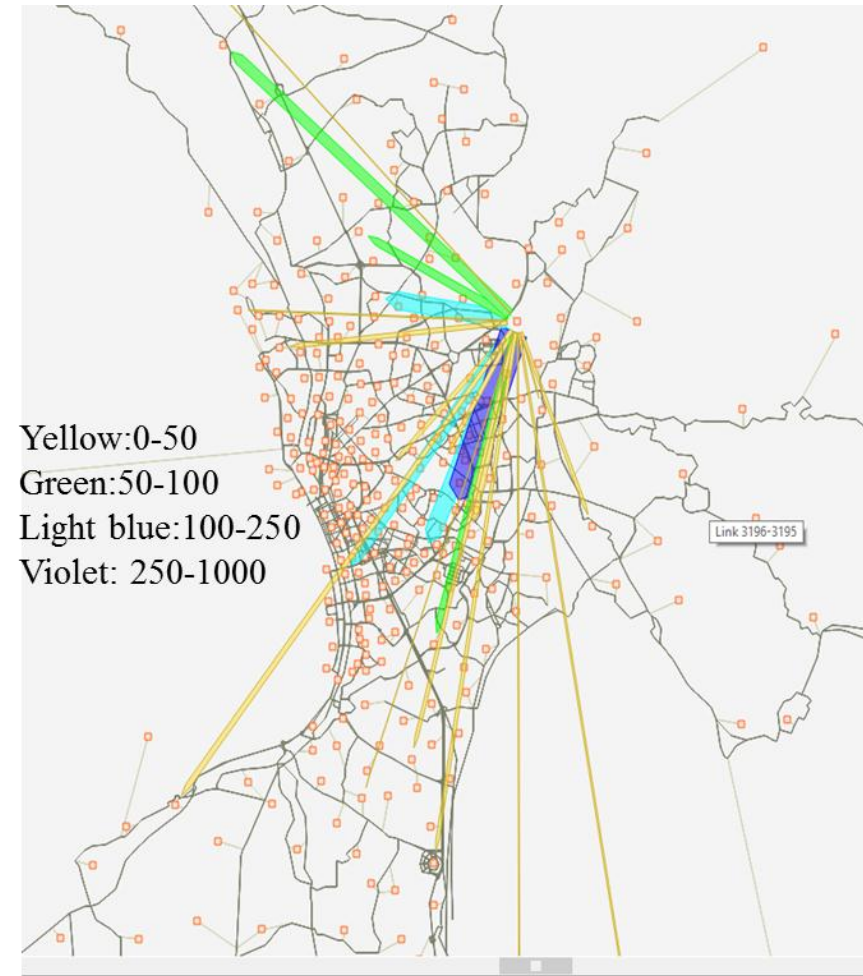
OD Matrix



Desire Lines

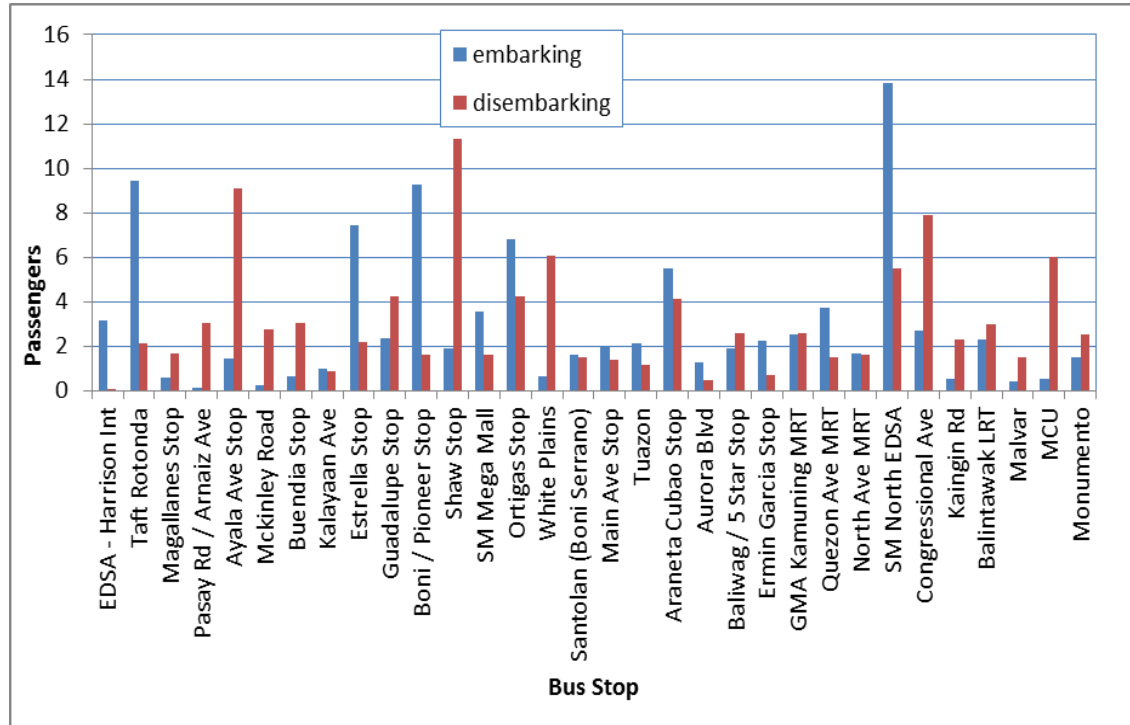


Desire going to
Quezon City

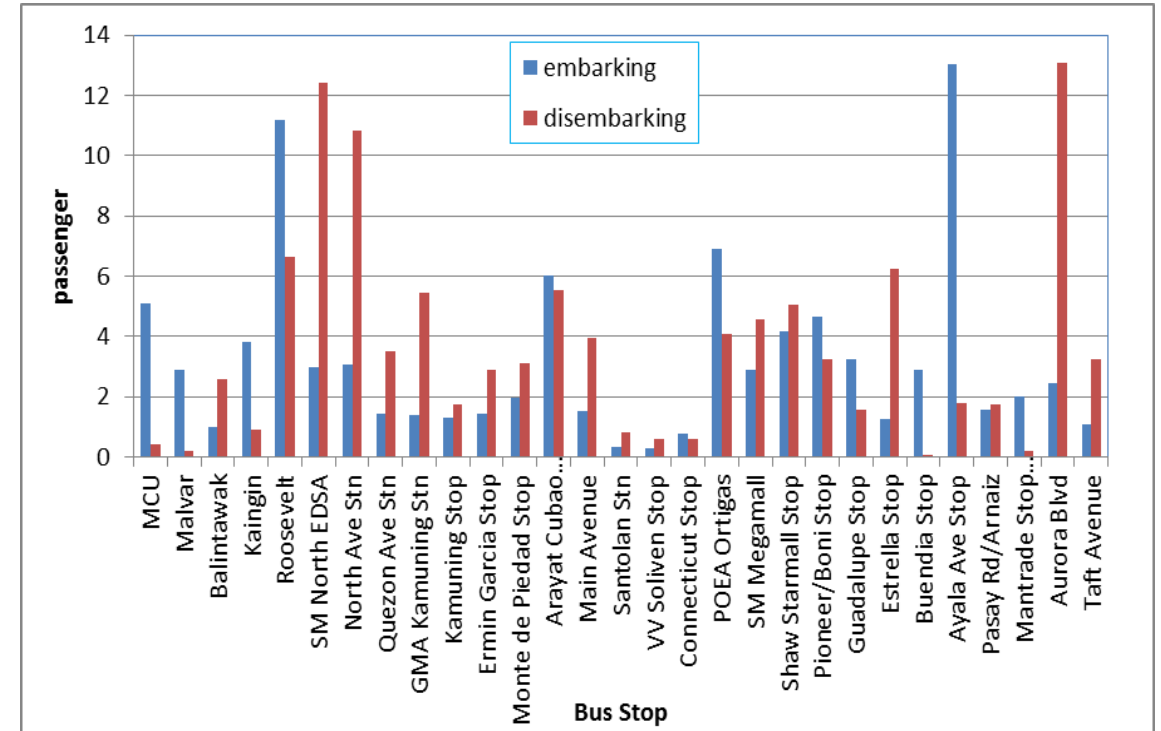


Desire coming from
Quezon City

Boarding and Alighting



Northbound



Southbound

Thank you for listening!