

## DIVY Data Snapshot

*Based on data from partial year (6/27/2013 - 12/31/2013)
Total Stations
Total

Trips
759,788

$$
300
$$

Subscribers
403,036 (100\%)
7,624 (2\%) Number of Round Trips ${ }^{\mathbf{1}}$
7,498 (2\%) Number of Overtime Trips
12 min.
Clinton St \&
Washington Blvd (\#10)
Clinton St \&
Washington Blvd (\#10)
Clinton St \& Washington
Blvd (\#10) to Michigan Ave \& Lake St (\#43)

Total Days 188


## Non Subscribers

356,752 (100\%)

34,201 (10\%)
88,763 (25\%)
30 min .
Streeter Dr \&
Illinois St (\#22)
Streeter Dr \&
Illinois St (\#22)
Lake Shore Dr \& Monroe St (\#300) to Streeter Dr \& Illinois St (\#22)

## INDEX

* Subscriber Demographics ..... Page 2
Non-Subscriber Overtime Page 3
Day and Time Usage ..... Page 4
Weather Impact. Page 5
* Trip Factors Page 6
Geolocation Highlights ..... Page 7


## DIVY <br> Subscriber Demographics

*Based on data from partial year (6/27/2013-12/31/2013) and assumed each subscriber is unique


Age Group Trips

| <18 | 85 |  |
| :---: | :---: | :---: |
| 18 to 20 | 861 |  |
| 21 to 25 | 11,836 | 厓共 |
| 26 to 30 | 26,529 | * |
| 31 to 35 | 15,528 | \% |
| 36 to 40 | 9,417 | \% |
| 41 to 45 | 6,285 | \% |
| 46 to 50 | 5,484 | * |
| 51 to 55 | 4,661 | \% |
| 56 to 60 | 2,677 | 15 |
| $61+$ | 1,085 |  |

— Highlights

- $79 \%$ of subscriber trips are taken by dudes
- $26 \%$ of subscriber trips are taken by people in the 26 to 30 age group

- Linking in Census demographics data, the 25 to 35 age group has the highest trip rate per person at 0.35 trips per Chicago city resident and the rate falls to 0.10 for the 55 to 60 age group (still quite high!) ${ }^{2}$
- Over 1,000 trips were made by people over 70!


## Non-Subscriber Overtime

*Based on data from partial year (6/27/2013 - 12/31/2013)

## WOE ARE THE FEES!

24-Hour Pass Overtime Fees ${ }^{1}$

| $0-30$ minutes of each trip | INCLUDED |
| :--- | ---: |
| $30-60$ minutes | $\$ 2.00$ |
| $60-90$ minutes | $\$ 6.00$ |
| Each additional 30 minutes | $+\$ 8.00$ |

Non-Subscriber Trip Count by Duration


Unfortunately, with the data provided, there is no way to tell how many trips are taken by each customer. But as an estimate, let's assume each non-subscriber trip was bought with a separate 24 -hour pass.

Then, a maximum of $\mathbf{\$ 7} \mathbf{~ p e r ~ t r i p ~} \mathbf{x} \mathbf{3 5 6 , 7 5 2}$ trips = $\mathbf{\$ 2 . 5}$ million is generated from non-subscribers purchasing 24 -hour passes without accounting for overtime fees.

Under the current overtime fee structure, $\$ 831 \mathrm{~K}$ would have been charged on nonsubscribers for overtime only... that's at least $33 \%$ of additional revenue!

## "WHAT IF" SCENARIOS

What if... \$1 were added to one of the overtime fee breakouts?

- Change 30-60 minutes $\$ 2$ fee to $\$ 3 . .$. total overtime fees $=\$ 920 \mathrm{~K}$
- Change 60-90 minutes $\$ 6$ fee to $\$ 7 . .$. total overtime fees $=\$ 857 \mathrm{~K}$
- Change Each additional $30 \mathrm{~min} .+\$ 8$ fee to $+\$ 9 \ldots$ total overtime fees $=\$ 894 \mathrm{~K}$

[^0]
## Day and Time Usage

## *Based on data from partial year (6/27/2013 - 12/31/2013)

## All Customers

- Heaviest traffic occurs during mornings and evenings on weekdays and daytime on weekends
- Mondays and Fridays receive slightly more traffic than other weekdays


Mon

Tue
Wed
Thu

Fri

Sat
Sun


## Subscribers

- ... are probably commuters
- They ride into work a little more often on Tuesdays and leave a little earlier on Fridays


Mon

Tue

Wed
Thu
Fri
Sat
Sun

## Non-Subscribers <br> Non-Subscribers

- ... probably ride for pleasure (maybe tourists?)
- They generally ride between the hours of 11 am and 6 pm with 3 pm having the highest traffic

Mon

Tue
Wed
Thu

Fri

Sat

Sun
i



Weather Impact
*Based on data from partial year (6/27/2013 - 12/31/2013)


All Customers - \# of Trips/Day


*Based on data from partial year (6/27/2013 - 12/31/2013)

Regression analysis was used to better understand the influence of weather and dates on the \# of trips made by subscribers and nonsubscribers.

Factors considered:

- Avg. temperature
- Holiday - Y/N
- Precipitation - $\mathrm{Y} / \mathrm{N}$
- Weekend - Y/N
- Amt. of precipitation



## Subscriber Model Highlights



- Significant factors include: weekend indicator, holiday indicator, and avg. temperature
- Holding all other factors constant, the \# of trips would...
- decrease by 50\% during the weekend
- decrease by $60 \%$ during a holiday
- increase by $0.6 \%$ for every 1 degree increase


## Non-Subscriber Model Highlights



- Significant factors include: holiday indicator, avg. temperature, and precipitation indicator
- Holding all other factors constant, the \# of trips would...
- decrease by 41\% during a holiday
- increase by $6.2 \%$ for every 1 degree increase
- decrease by $18 \%$ during a rainy/snowy day


## DIVY Geolocation Highlights

*Based on data from partial year (6/27/2013 - 12/31/2013)
Pareto Chart: Trip Frequency by From Station



Most Used Station

## (INCOMING)

Traffic is heavily concentrated in the top stations

## DIVY Geolocation Highlights

*Based on data from partial year (6/27/2013 - 12/31/2013)

## Wabash Ave

Halsted Stillinois St
Daley Center Plaza mermantan war mana Chicago Ave Erie St Adams St Kingsbury St Lake St LaSalle St rines Madison StCalnal_StFranklin St





Doarpolt Rd Wells St Armitage Ave


Washington St Milwaukee Ave

## Non-Subscribers

- Michigan
- Lake Shore
- Illinois


Halsted St Erie St
Washington $\mathrm{St}_{\text {Miwaukee Ave }}$
Chicago Ave seogyicics
Roosevelt Rd Franklin St southport Ave
Ohio St Randolph St kinzie St Pearson St
Museum Campus Dwison st Damen Ave trimand
Illinois St North Ave

Oak St Millennium Park Wabash Ave Canal st Congress Pkwy

McClurg Ct Grackson Blvd Grand Ave
Madison St Diversey Pkwy Clinton St

*Based on data from partial year (6/27/2013 - 12/31/2013)


Trip Frequency by Station Location Clusters
Incoming Stations

| Loop East | Loop West | Northeast | Northwest | South | West |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 101,361 | 52,634 | 18,083 | 3,071 | 19,696 | 15,180 |
| 56,206 | 76,072 | 13,997 | 5,133 | 9,336 | 34,427 |
| 16,201 | 11,597 | 47,028 | 19,310 | 1,235 | 7,178 |
| 2,967 | 4,148 | 18,646 | 32,227 | 484 | 9,031 |
| 20,088 | 8,208 | 1,444 | 469 | 27,897 | 5,282 |
| 15,765 | 33,175 | 7,414 | 8,954 | 5,361 | 50,483 |

Distribution of Trips from Loop West


Distribution of Trips from Loop East



[^0]:    ${ }^{1}$ Confirmed with Divvy hotline that the $+\$ 8$ is not pro-rated... just wanted to mention that they have awesome waiting music
    ${ }^{2}$ Divvy might be capping the total duration to 24 hours
    ${ }^{3}$ Is it possible that customers aren't aware of or don't understand the overtime fees?

