



OLEKSIY DANILIN, Business Analyst

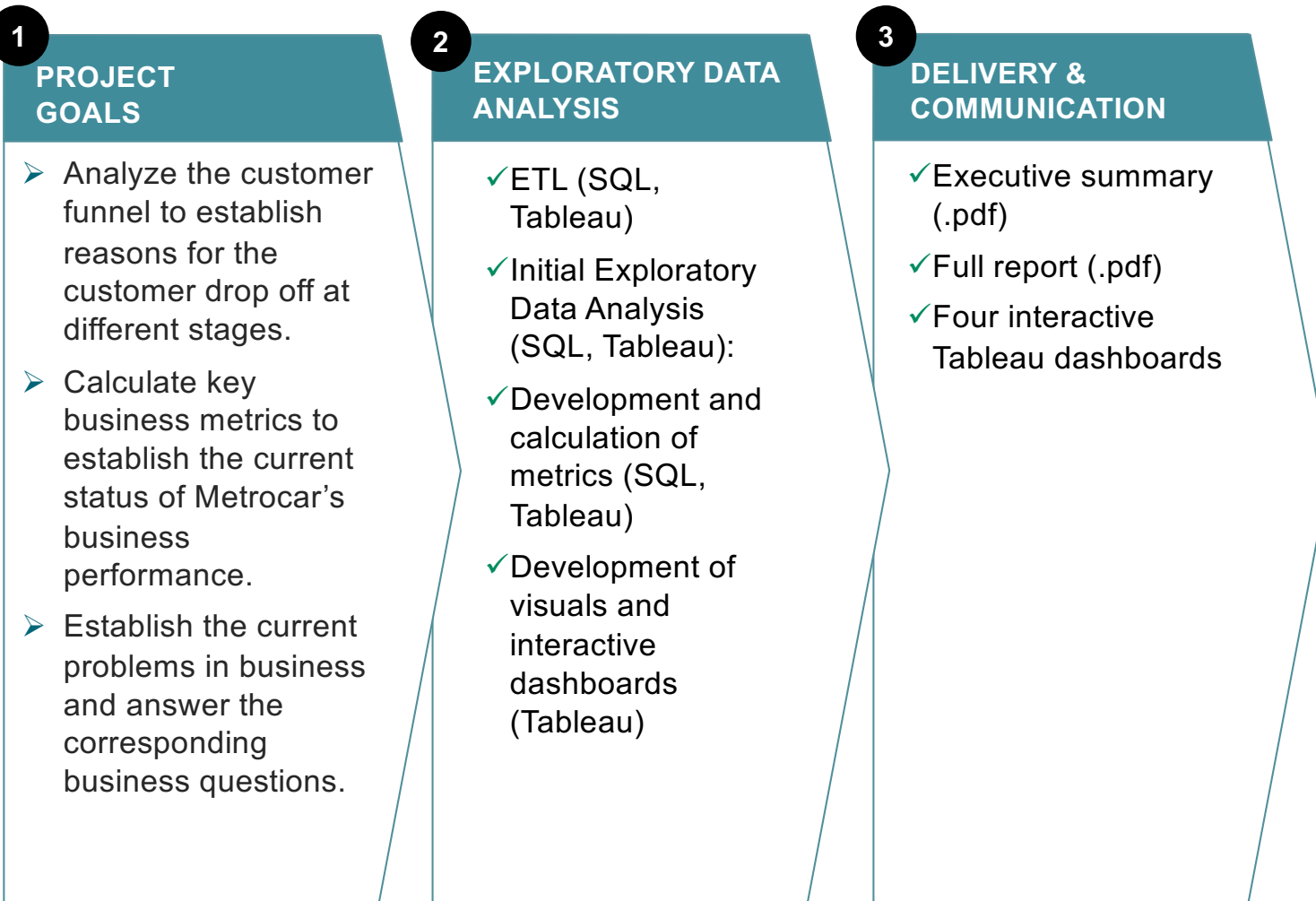


CUSTOMER FUNNEL ANALYSIS: What needs to be done to improve retention

May 2024

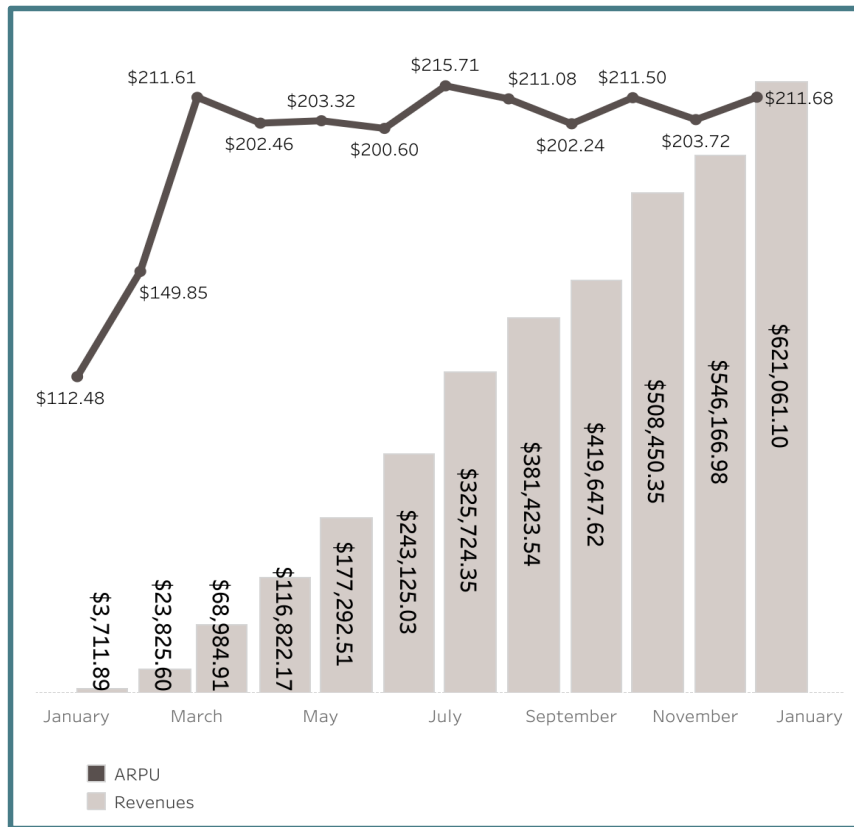
Prepared for:

 Masterschool



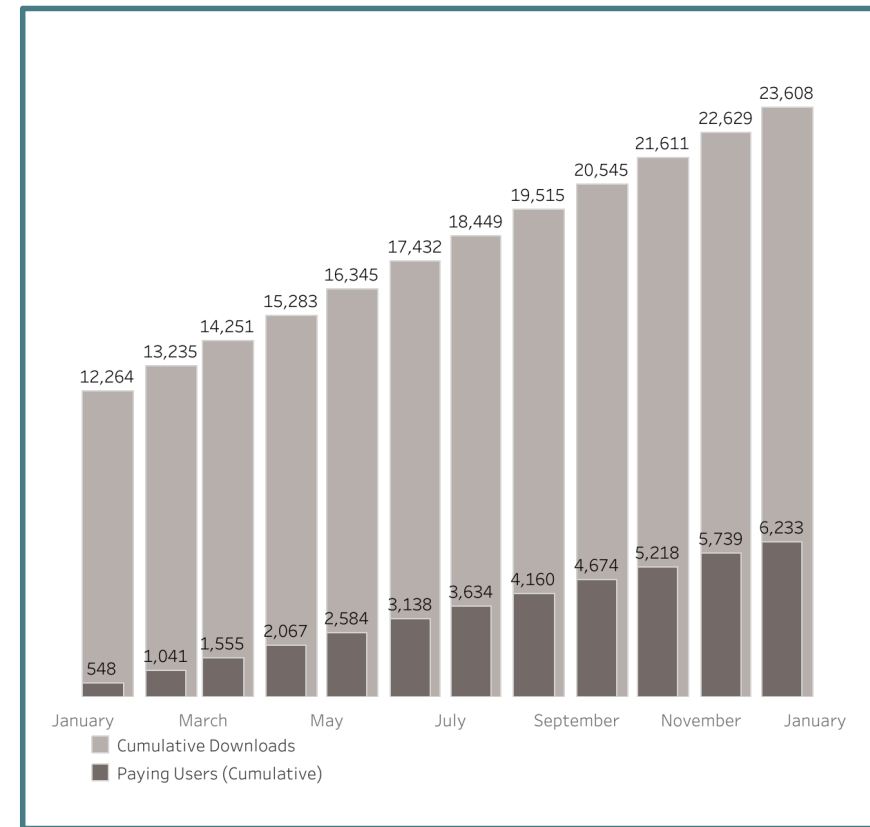
THE REVENUE GROWTH IS DRIVEN BY A SMALL FRACTION OF CONVERTED DLs: EVEN THOUGH THE KPIs ARE IMPRESSIVE, A SIGNIFICANT MONETIZATION POTENTIAL IS LOST

MONTHLY REVENUES AND ARPU (2021)

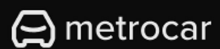


- **A successful revenue growth from month to month:** in 2021, the total revenue reached \$3,436 million.
- By Jan 2022, the monthly revenue increased by 142 times YoY.

MONTHLY DOWNLOADS AND PAID USERS (2021)

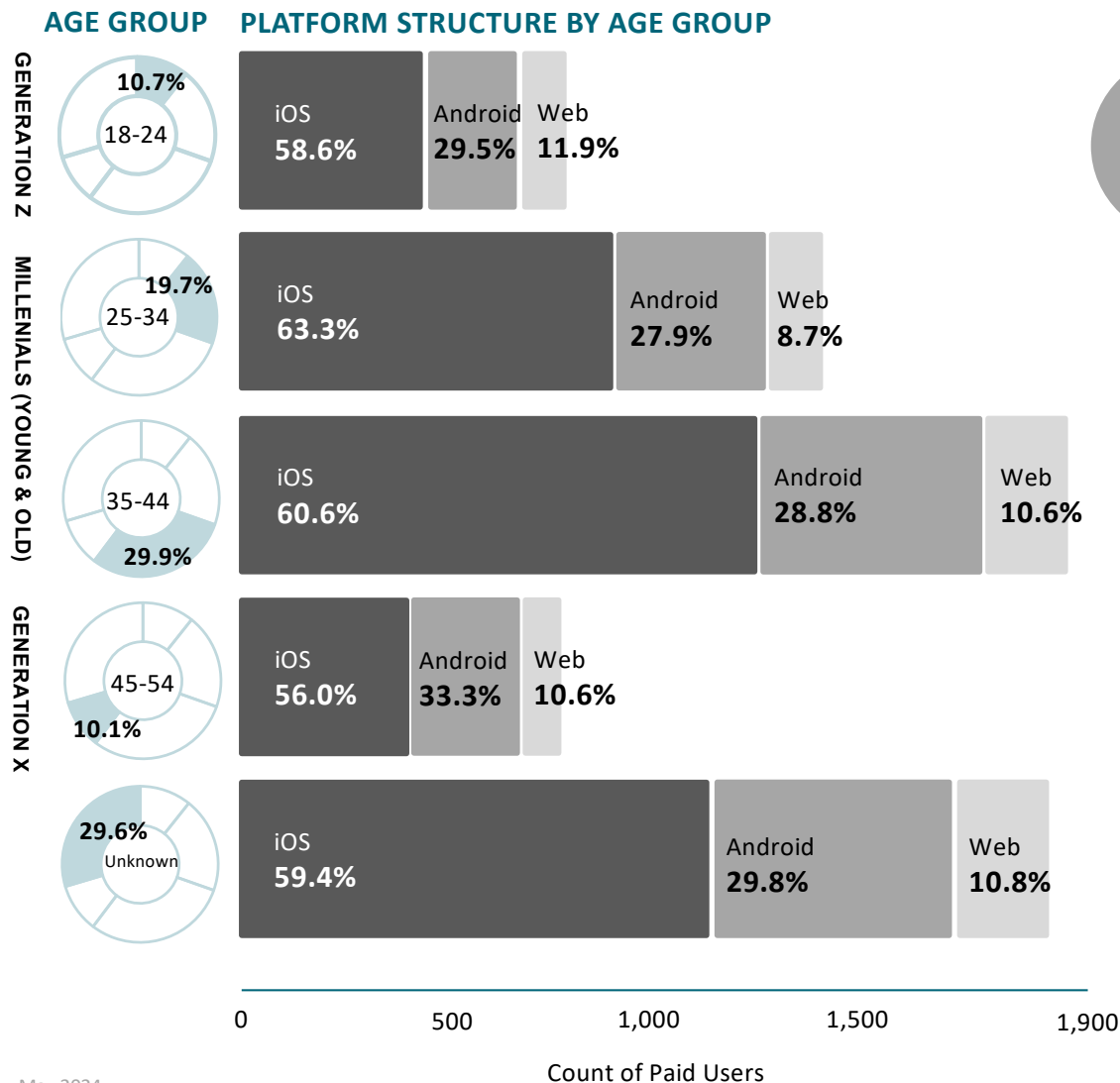


- **A significant growth in the number of paying users,** which increased from 4.4% of total DLs in Jan 2021 to 26.4% in Dec 2021.
- With monthly ARPU at approx. \$213, a small fraction of loyal paying customers drive monetization.

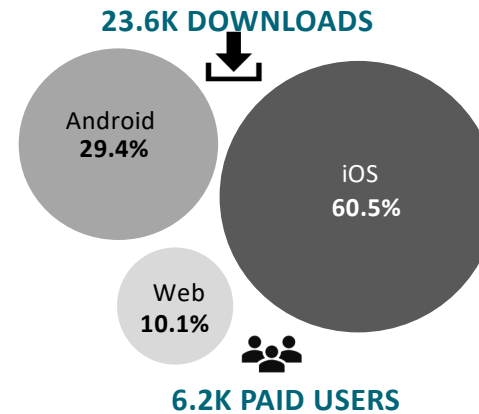


OLDER (35-44 YEARS) AND YOUNGER (25-34 YEARS) MILLENNIALS, WHO SHOW A STRONG PREFERENCE FOR APPLE DEVICES, ARE THE CORE USER DEMOGRAPHICS

PAID USERS : AGE vs. PLATFORM



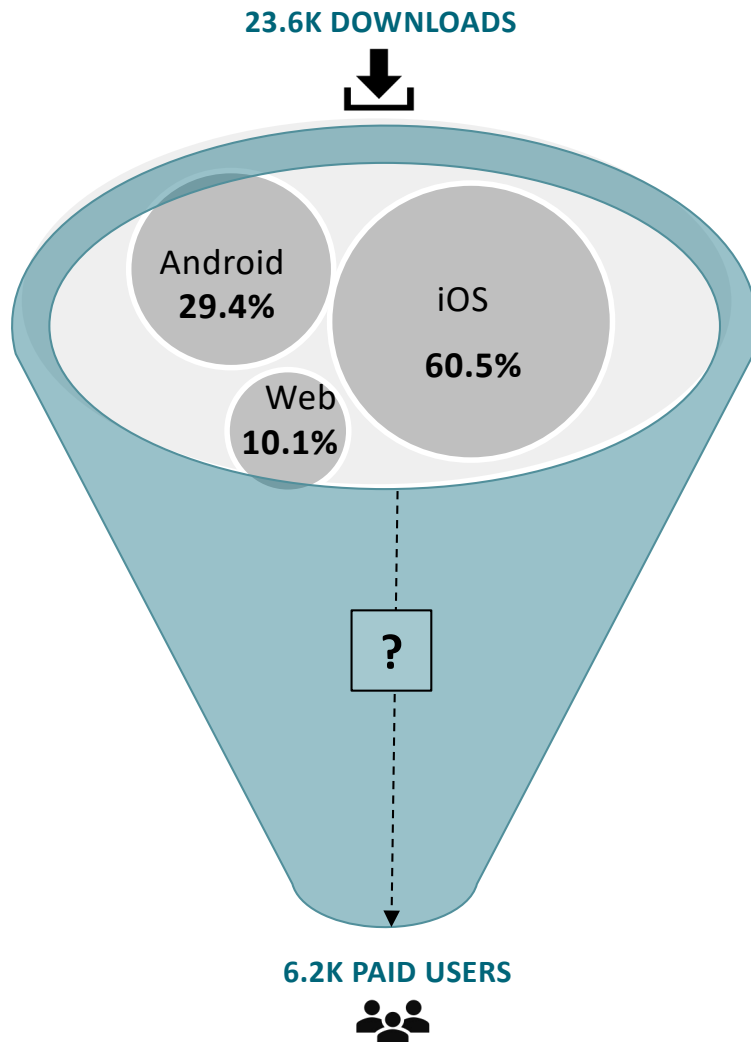
DLs & PAID USERS: STRUCTURE BY PLATFORM



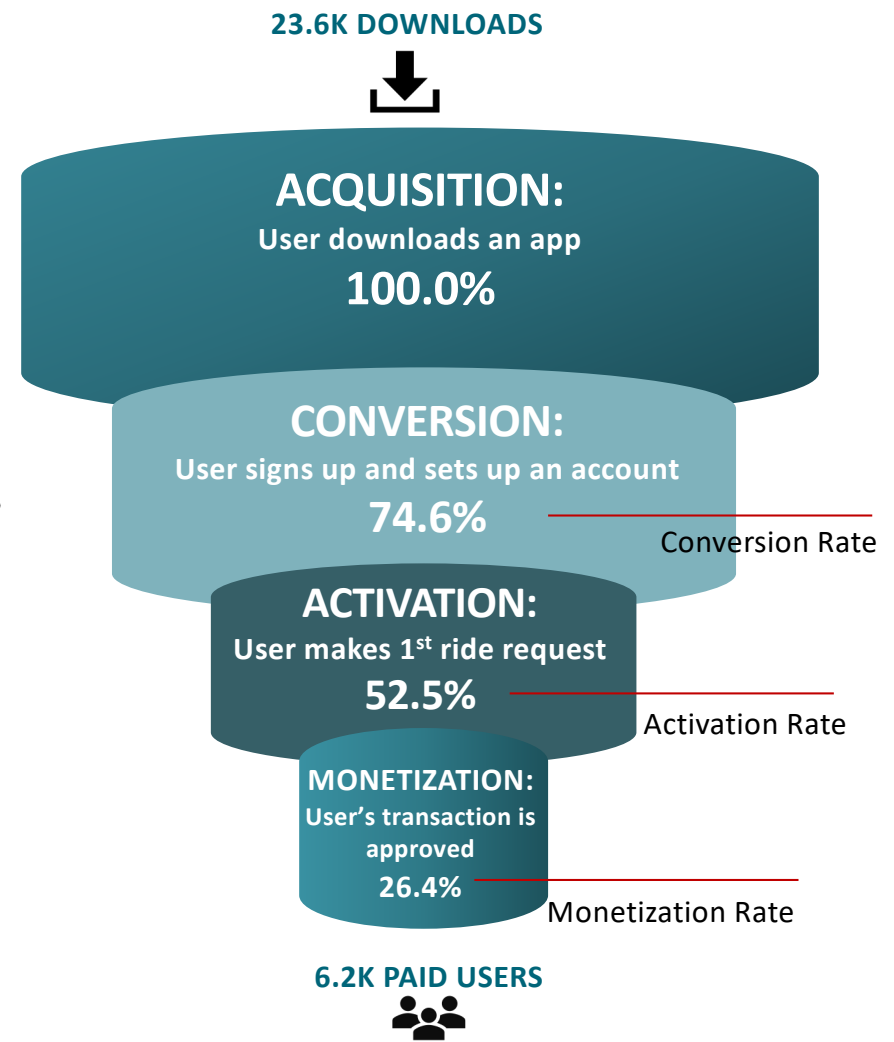
- Exploratory Data Analysis reveals no significant differences in customer distribution by platform across the funnel (from downloads to paid users)
- All age groups show strong preference for iOS devices, with the highest iOS shares among **the Millennials**.
- On the other hand, the highest share of Android users is among **the Generation X**.
- Interestingly, the Android share is relatively high among **Z Gen** users, too.

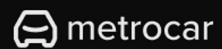
DEMYSTIFYING THE CUSTOMER FUNNEL BEGINS WITH DEFINING PRINCIPAL STAGES AND ASSOCIATED BENCHMARKS/INDICATORS TO IDENTIFY KEY PROBLEMS

DOWNLOADS STRUCTURE BY PLATFORM



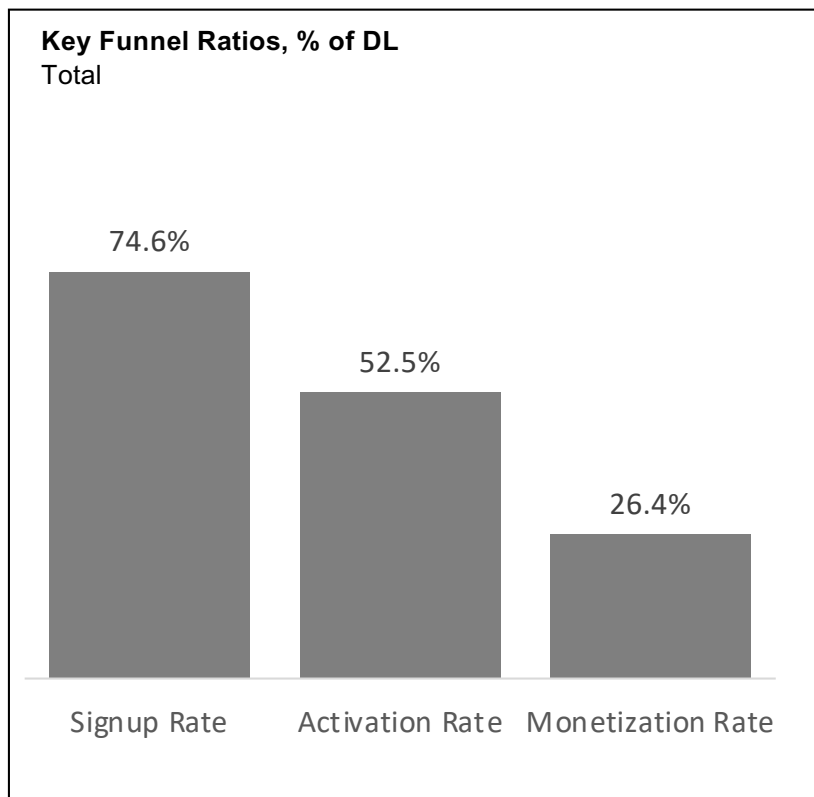
DOWNLOADS STRUCTURE BY PLATFORM



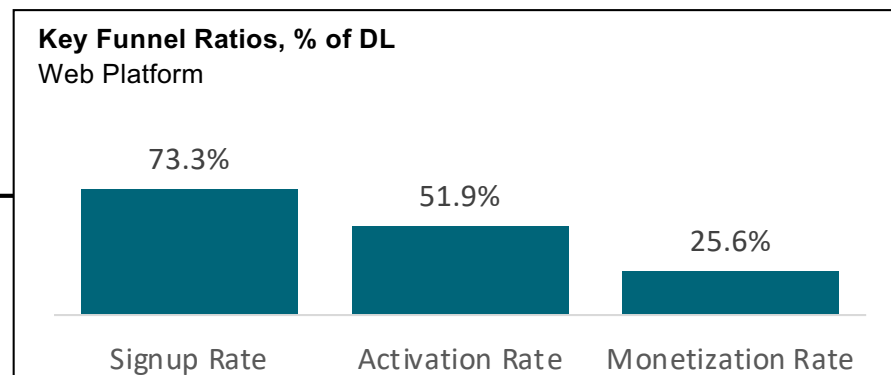
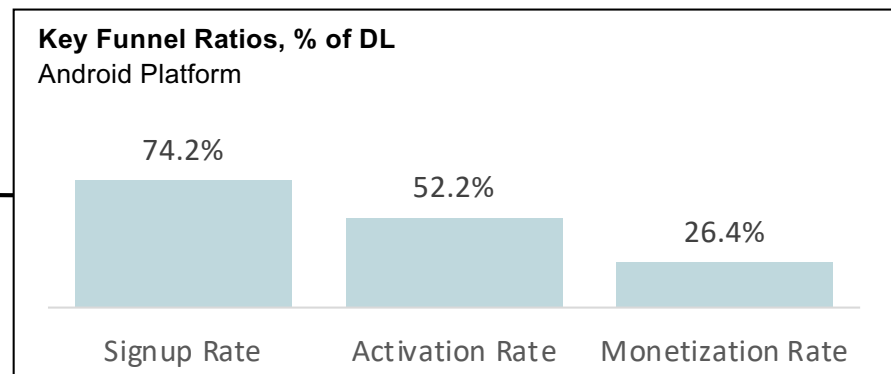
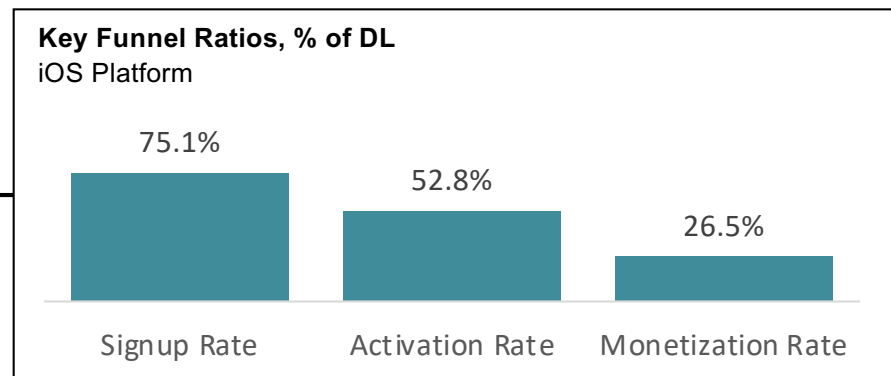


KEY CUSTOMER FUNNEL METRICS, INCL. SIGNUP, ACTIVATION, AND MONETIZATION RATES, SHOW RELATIVE CONSISTENCY ACROSS ALL THREE USER PLATFORMS

- The difference in the funnel ratios is minimal among the user platforms, although iOS users tend to perform better than others.



- Due to these small differences, similar retention strategies could be applied across all the three platforms.



EXPLORATORY DATA ANALYSIS REVEALS KEY ISSUES ACROSS THE FOUR STAGES OF THE CUSTOMER FUNNEL

PROBLEM'S STATUS

— MODERATE

— CRITICAL

KEY PROBLEMS ALONG FUNNEL STAGES

ACQUISITION

1. **Underrepresentation of Android users:** 32% of mobile downloads (excl. web installations) against 40-45% on average in the US market (various estimates for 2021).

CONVERSION

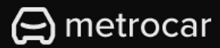
2. **Relatively low Conversion Rate:** 75% of downloads converted to signup accounts.
3. **Relatively long Time from Download to Signup** (24 hours on average).

ACTIVATION

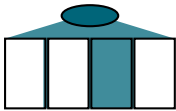
4. **Long Activation Time:** It takes 6 days on average between a sign-up and the 1st ride request.
5. **Low Activation Rate:** Only 53% of downloads and 70% of signed-up users request rides.
6. **Low Completion Rate:** Only 58% of requested rides are completed.
7. **Low Acceptance Rate:** Only 64% of requested rides are accepted by drivers.
8. **High Cancellation Rate:** 42% of requested rides are cancelled by either drivers or users.

MONETIZATION

9. **Low Monetization Rate:** Only 26% of downloads have become paying users
10. **Loss due Declined Transactions:** 5% of declined transactions resulted in a loss of USD 179.1K in 2021 (Collectability Ratio stands at 95% of total transactions).



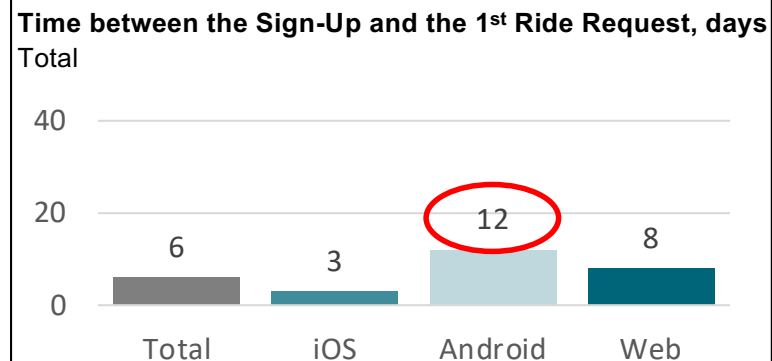
THE “DORMANT” PERIOD BETWEEN SIGN-UP AND THE 1ST RIDE REQUEST IS NOTABLY LONGER AMONG ANDROID USERS, ESPECIALLY WITHIN THE GEN X DEMOGRAPHIC



ACTIVATION

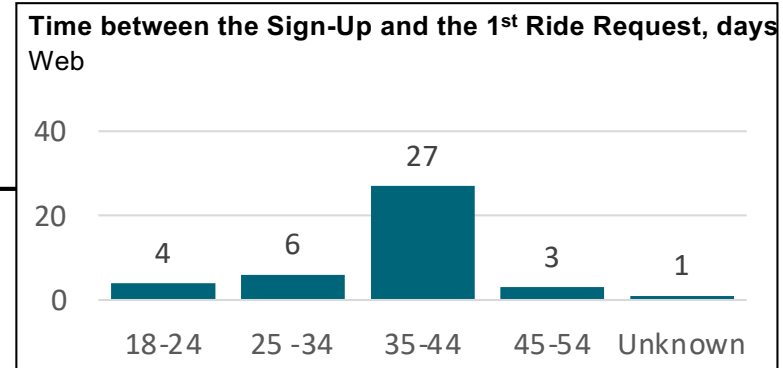
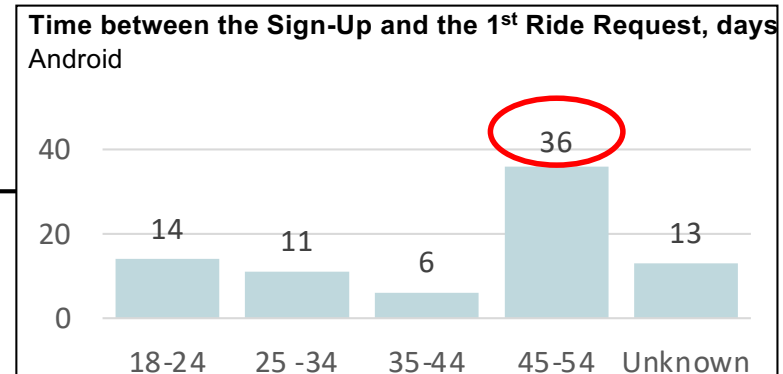
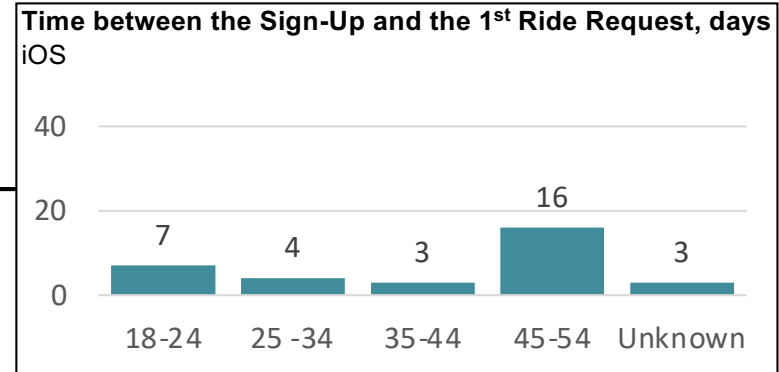
PLATFORM DIMENSION

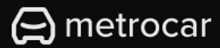
- On average, iOS users onboard more quickly than Android or web-based users, suggesting potential user experience friction in the Android app and web browser interface.
- To reduce the inactive period among web-based users, they should be encouraged/facilitated to transition to mobile apps.



DEMOGRAPHIC DIMENSION

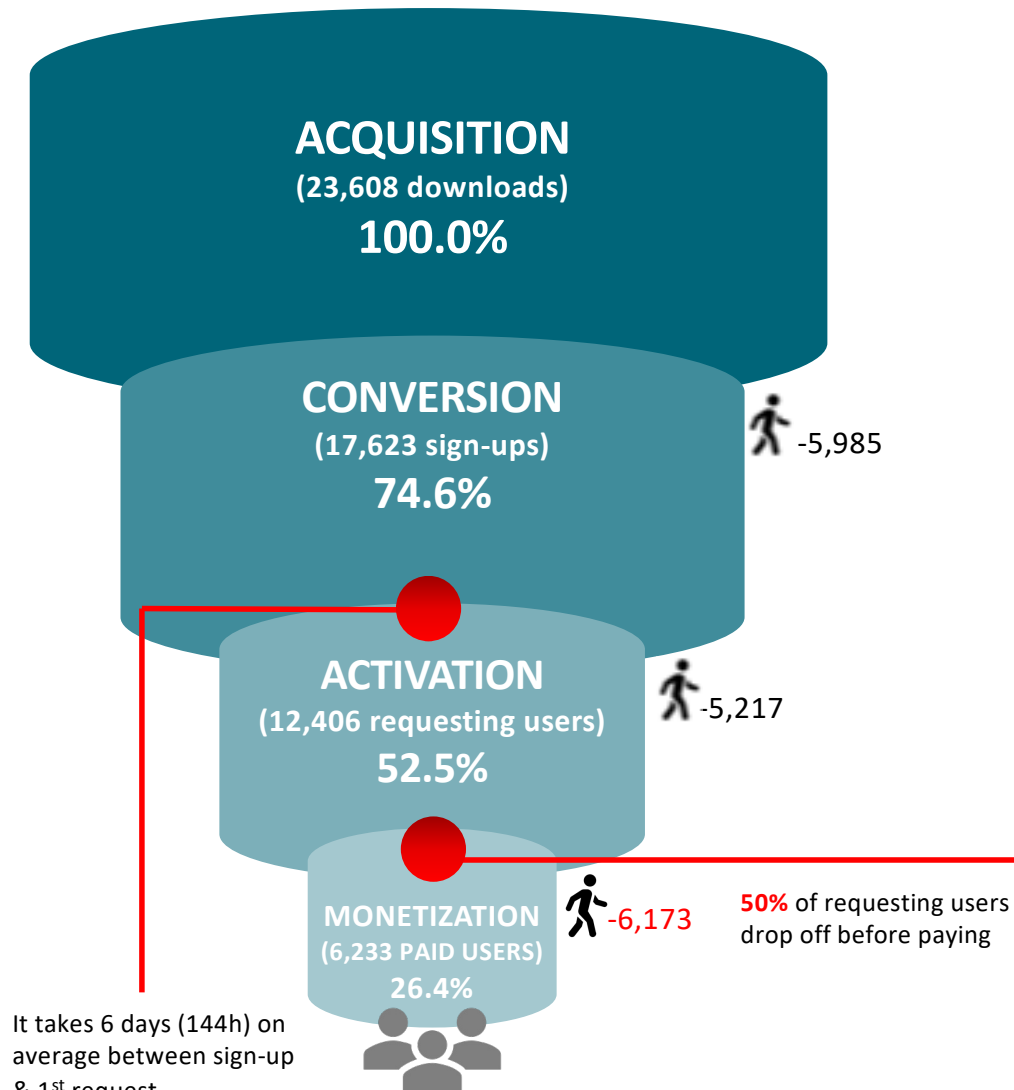
- Gen X users (ages 45-54) have the longest inactive periods among both Android and iOS users, indicating that this demographic may benefit from additional onboarding assistance.
- In the web segment, the patterns of inactivity across demographic groups differ from those observed among mobile users and require further investigation.



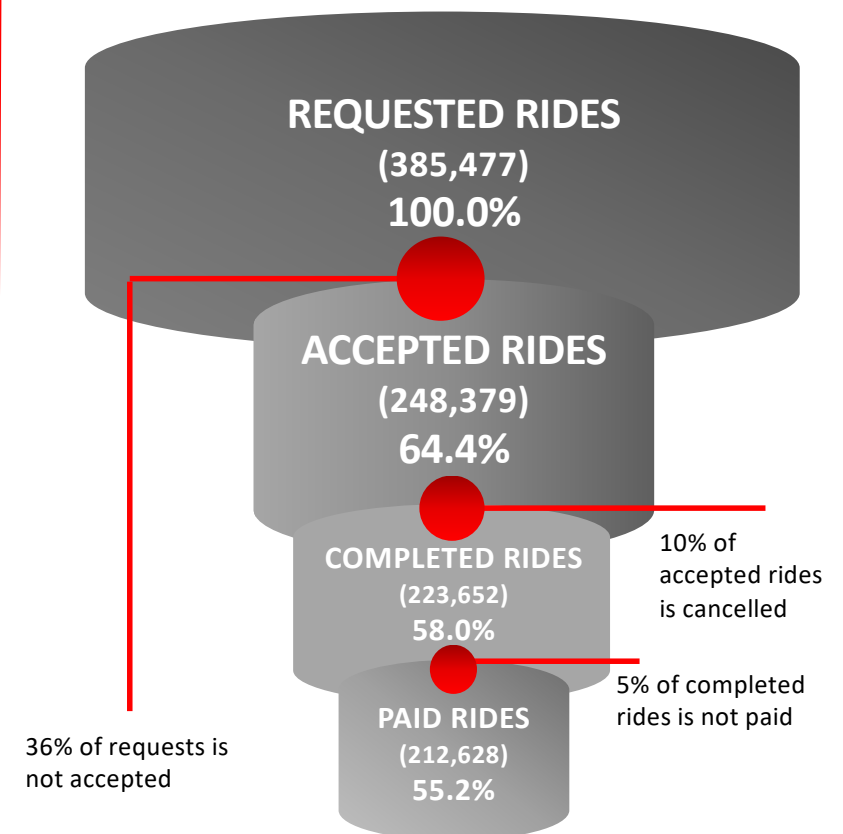


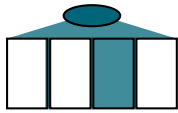
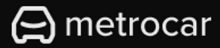
ACTIVATION IS THE MOST CHALLENGING FUNNEL STAGE, WHERE MULTIPLE UX ISSUES CAUSING ONLY 58% OF THE REQUESTED RIDES TO BE COMPLETED AND 55% TO BE PAID

USER FUNNEL



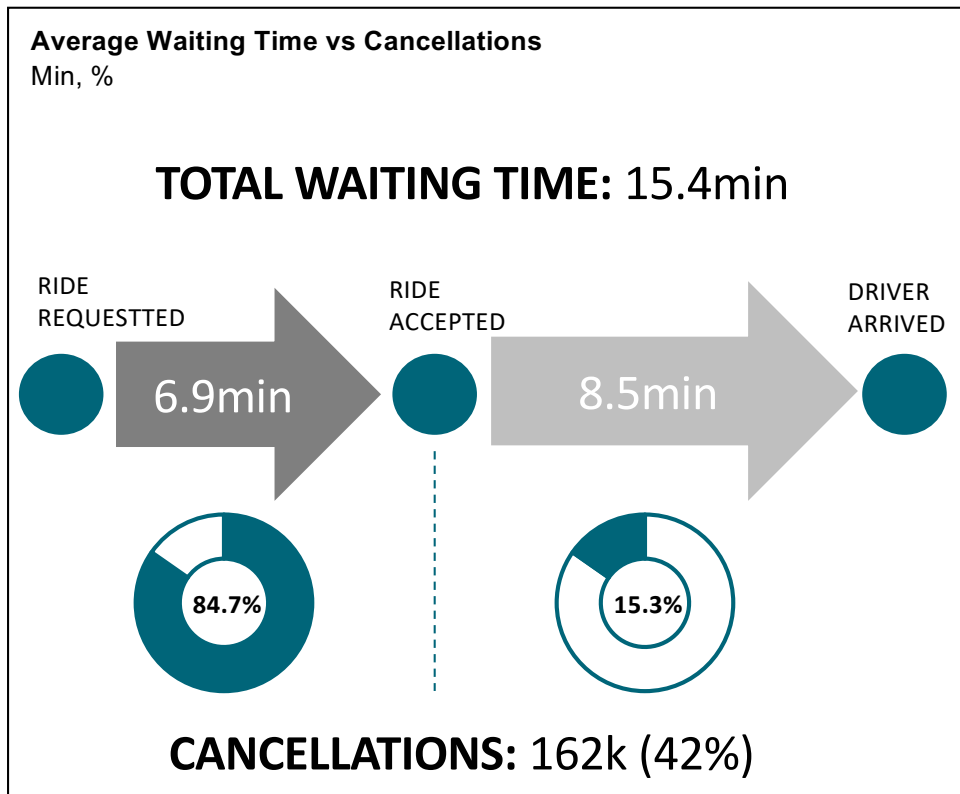
USER EXPERIENCE JORNEY (FROM ACTIVATION TO MONETIZATION)



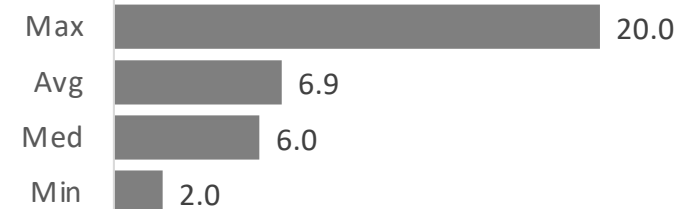


ACTIVATION

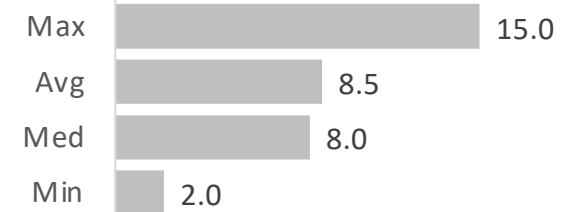
CANCELLATION IS THE PRIMARY UX ISSUE AT THE ACTIVATION STAGE: APPROX 42% OF ALL REQUESTED RIDES ARE CANCELLED, WITH 85% OF THESE CANCELLATIONS OCCURRING BEFORE THE DRIVER APPROVES THE REQUEST



Time between 1st ride and acceptance
Min



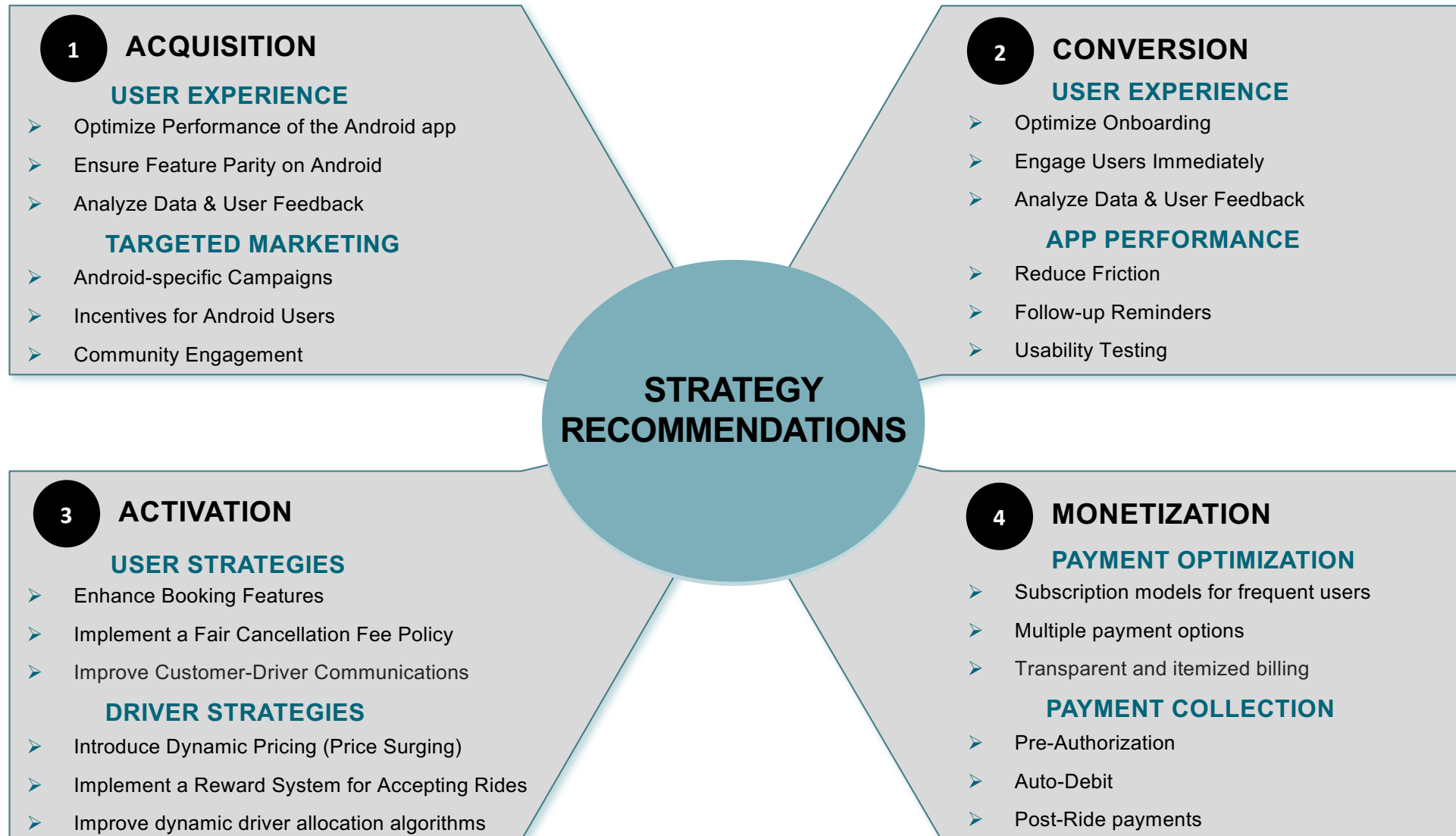
Time from acceptance to driver's arrival
Min



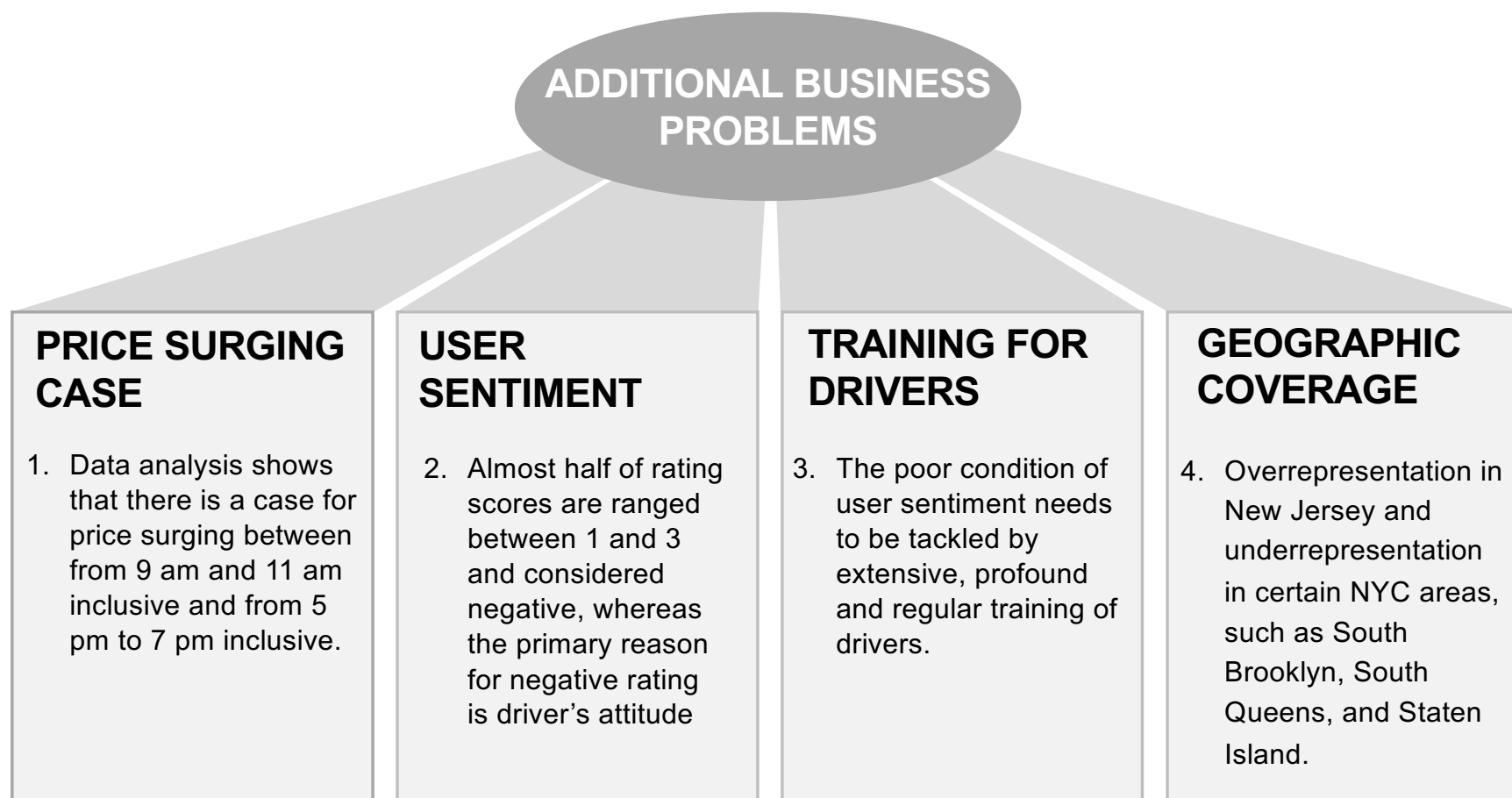
- The data do not specify whether drivers or customers are responsible for cancellations, but most occur before the ride request is accepted

- On average, waiting times are within reasonable ranges at both stages and cannot be considered a sufficient reason for cancellation

A BLEND OF UX IMPROVEMENTS, TARGETED MARKETING STRATEGIES, AND BOTH CUSTOMER-CENTRIC AND DRIVER-CENTRIC APPROACHES CAN HELP REDUCE USER DROP OFF AT EACH FUNNEL STAGE



BEYOND CUSTOMER FUNNEL ISSUES: EDA UNCOVERS OTHER SIGNIFICANT BUSINESS PERFORMANCE CHALLENGES



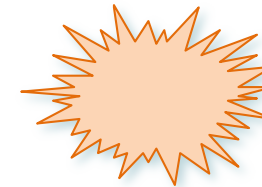
FOR MORE INFORMATION, PLEASE REFER TO THE EXTENDED REPORT

QUESTIONS?



COMMENTS?

IDEAS?



PROPOSALS?



Please contact: **OLEKSIY DANILIN**

E-Mail: oleksiy.danilin@gmail.com

CLICK HERE:



Four Interactive Tableau Dashboards to further slice and dice the User Cohort Data

<https://public.tableau.com/app/profile/oleksiy.danilin/viz/MetrocarDashboards/ANIMATEDPICKUPLOCATIONMAPMONTHLY>

CLICK HERE:



All the project's deliverables, incl. report, and SQL code

<https://github.com/oleksiy-danilin/Metrocar>