

Time in App Cohort Analysis

Agenda

- Overview
- Analysis
 - Time in App
 - Creation
 - Engagement
 - Retention
 - Following
 - Messaging
- Recap and Next Steps

Key Questions

- What is our core loop?
- What do our most engaged users do in the app?

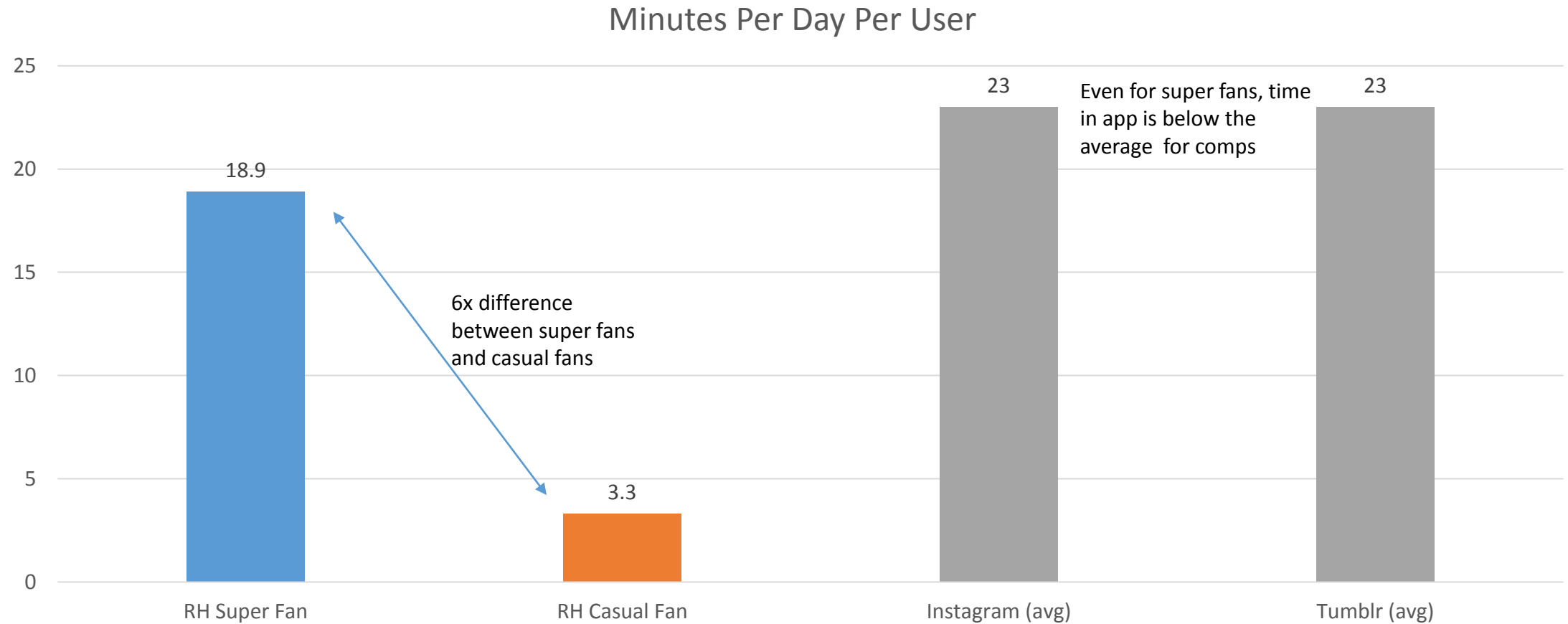
Methodology

- Segment user base by time in app percentile
 - Super fans: P99 time in app (top 1% of users)
 - Casual fans: P50 time in app (median users)
- Compare key metrics:
 - Time in app – sessions per day, session length
 - Retention – D1, D7, D14
 - Creation funnel - % creator, creations per creator
 - Engagement funnel (EB, comments, reposts) - % engagers, engagements per creator

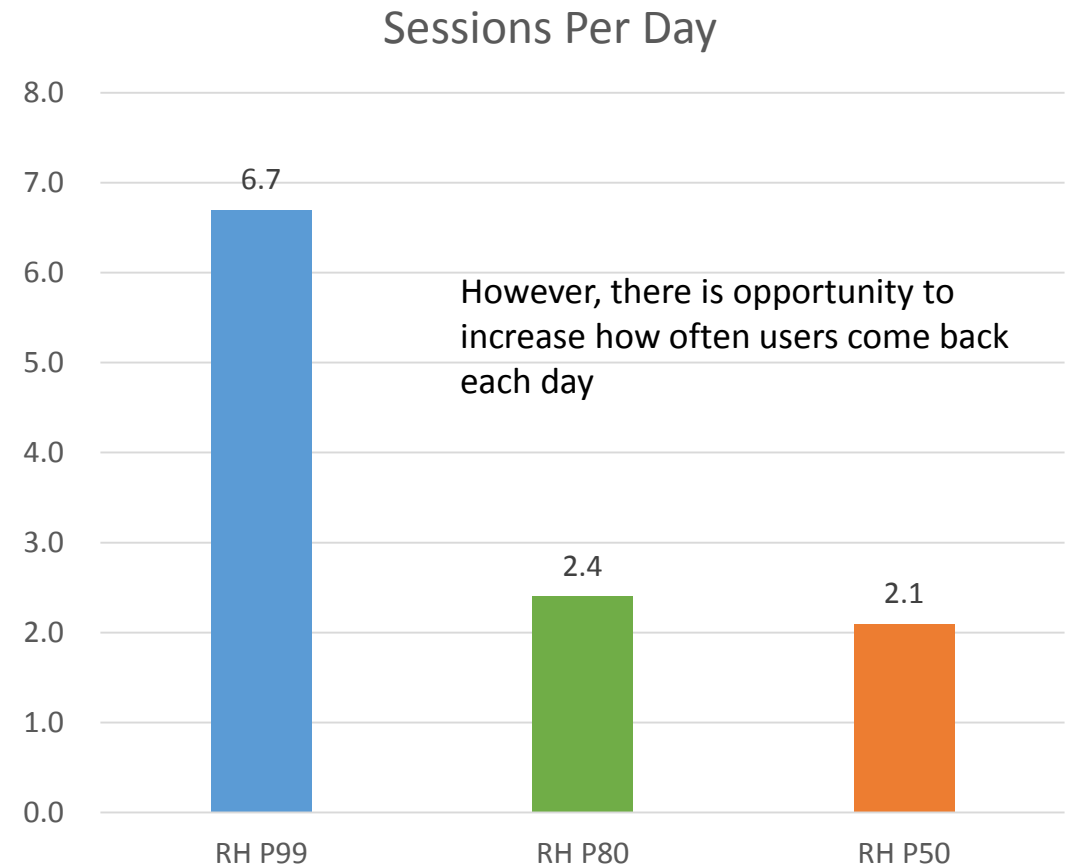
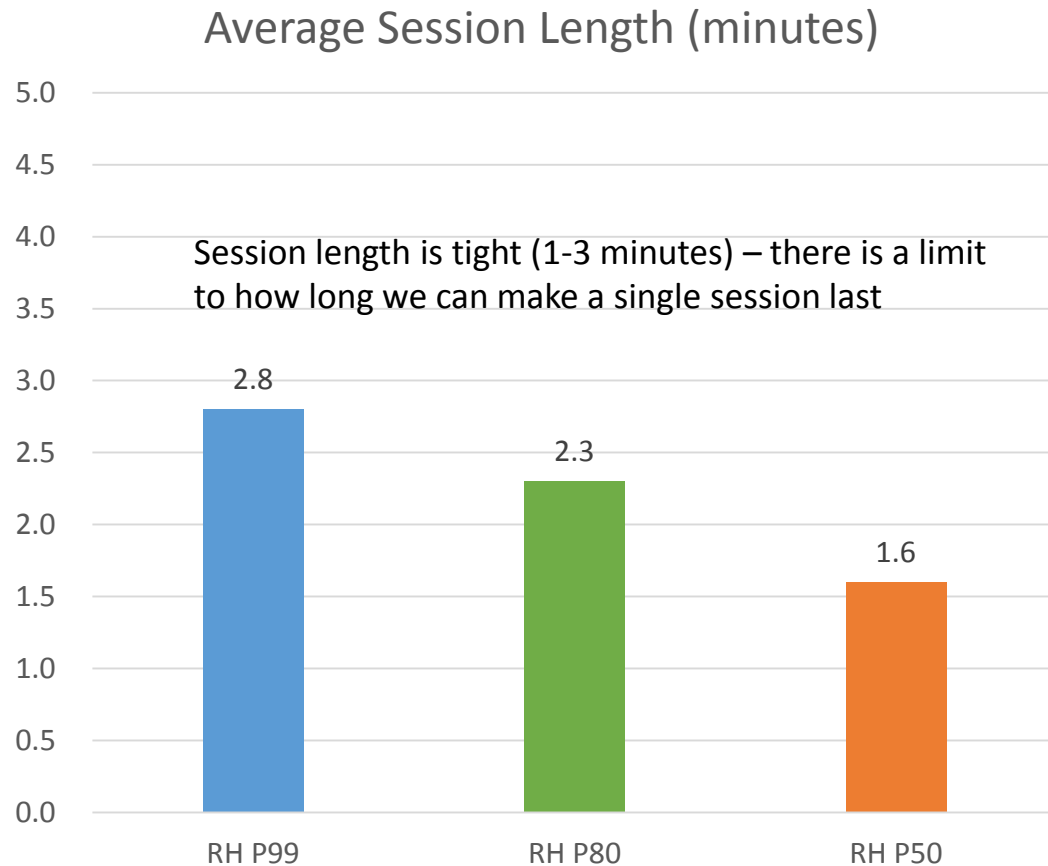
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There is large opportunity for improvement in time in app, even for super fans



Sessions per day is the biggest driver of time in app for super fans

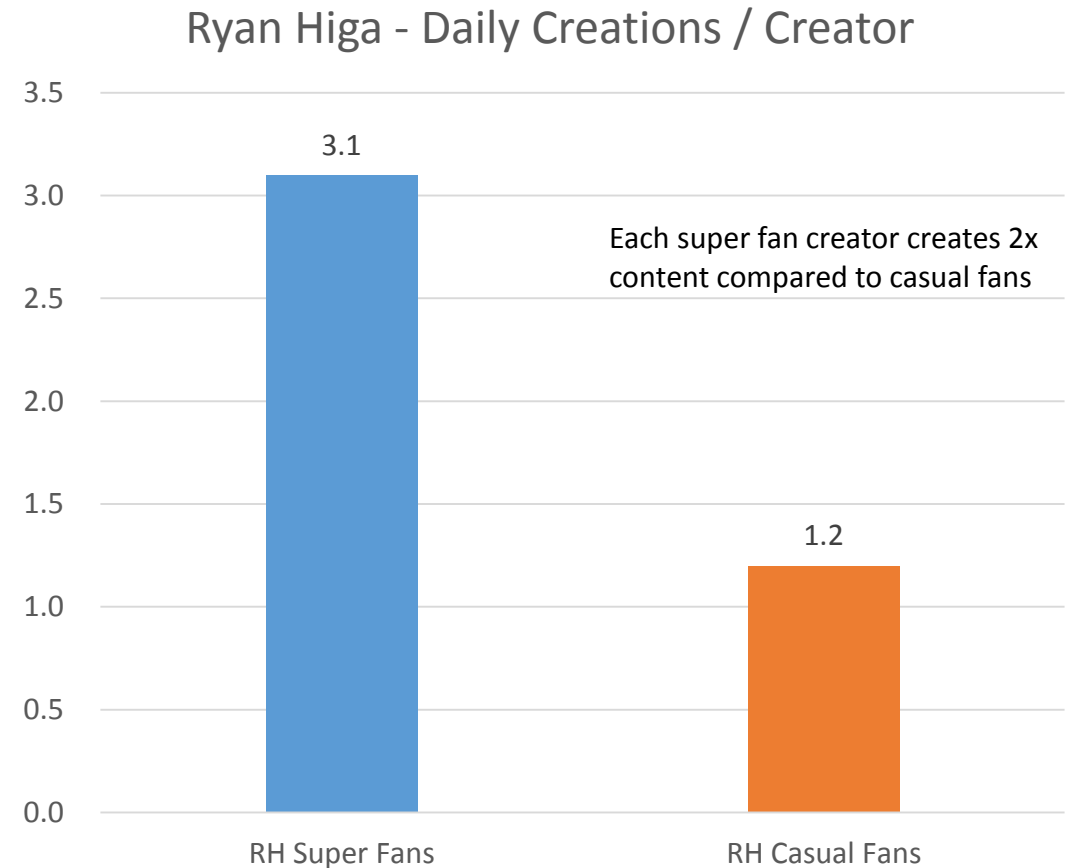
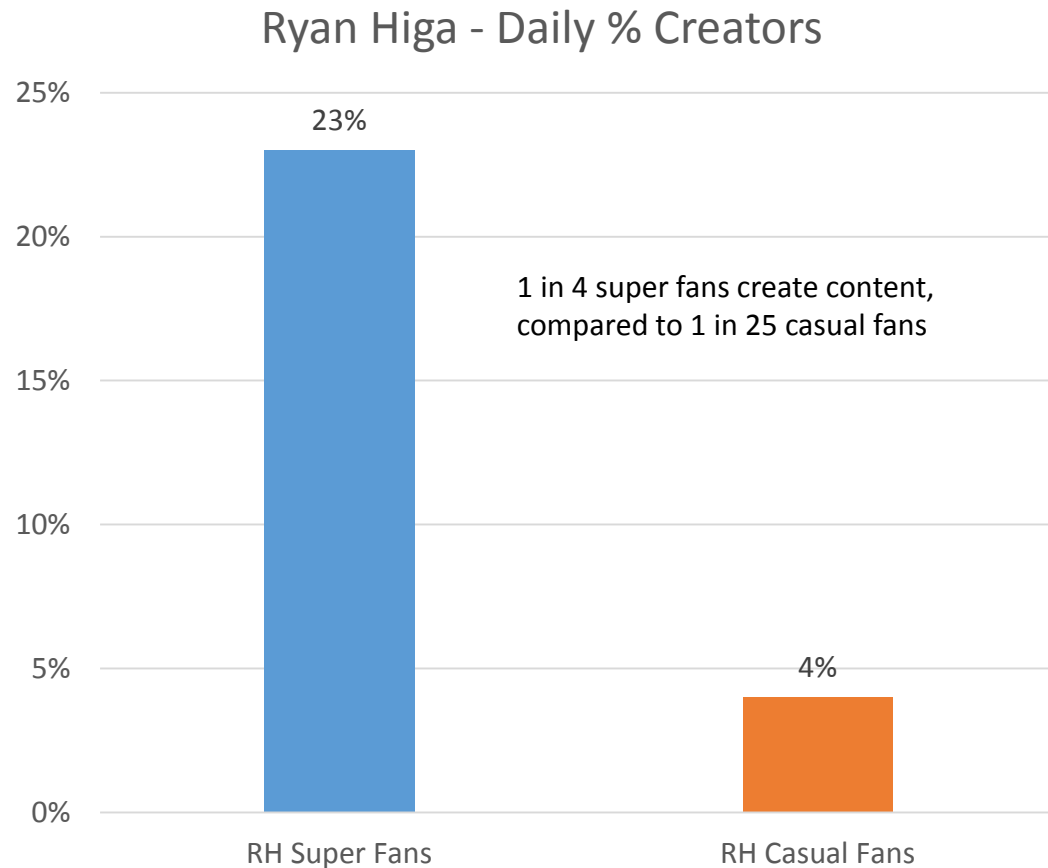


Key takeaway: prioritize features that get casual fans to return more often over extending session times

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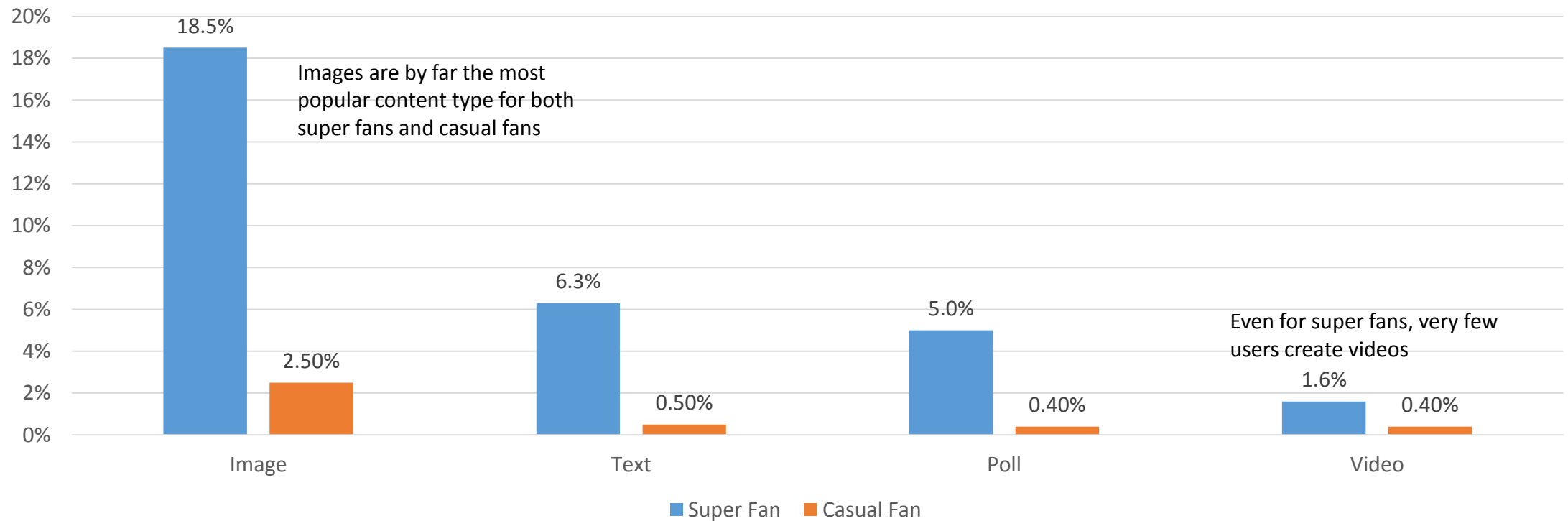
Super fans create much more than casual fans



Key takeaway: explore ways to increase creation conversion for casual fans

Images dominate creations

Ryan Higa - % Creators by Content Type

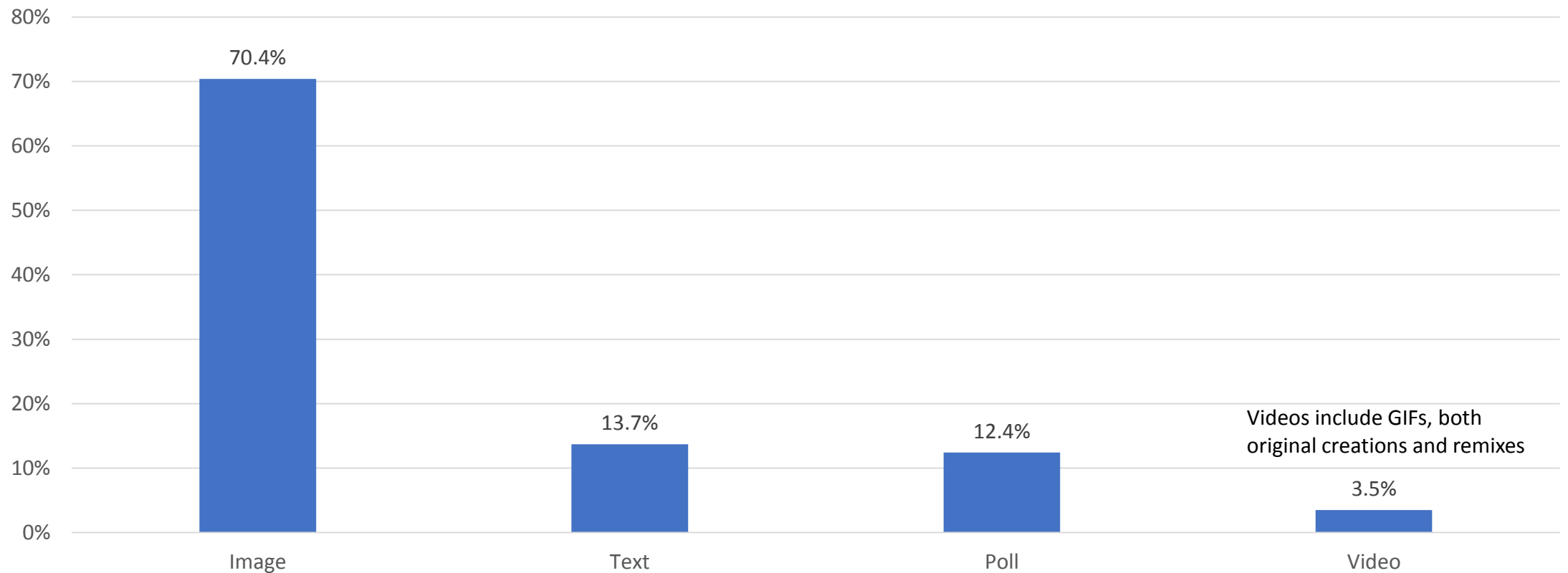


Key takeaways:

- Prioritize converting casual users into image creators (e.g., in creation tutorial)
- Deprioritize or drop video / GIF creation

For super fans, images dominates creations

Ryan Higa Super Fans – Distribution of Content Created by Content Type

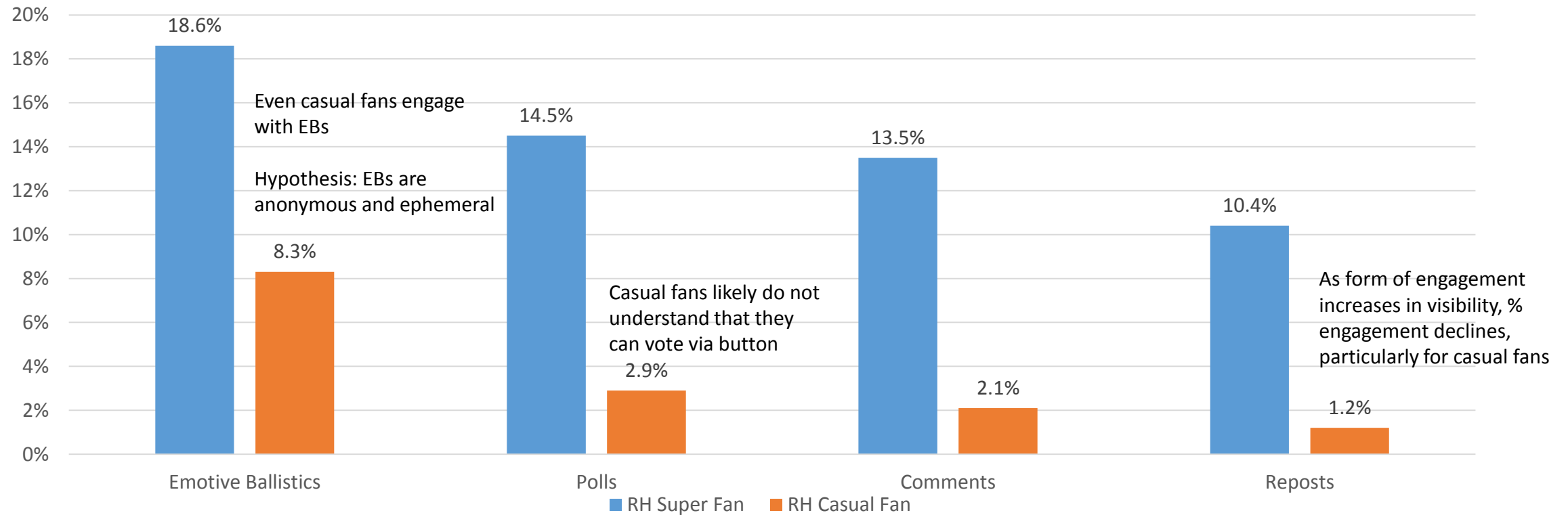


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Super fans are much more likely to actively engage with content than casual fans

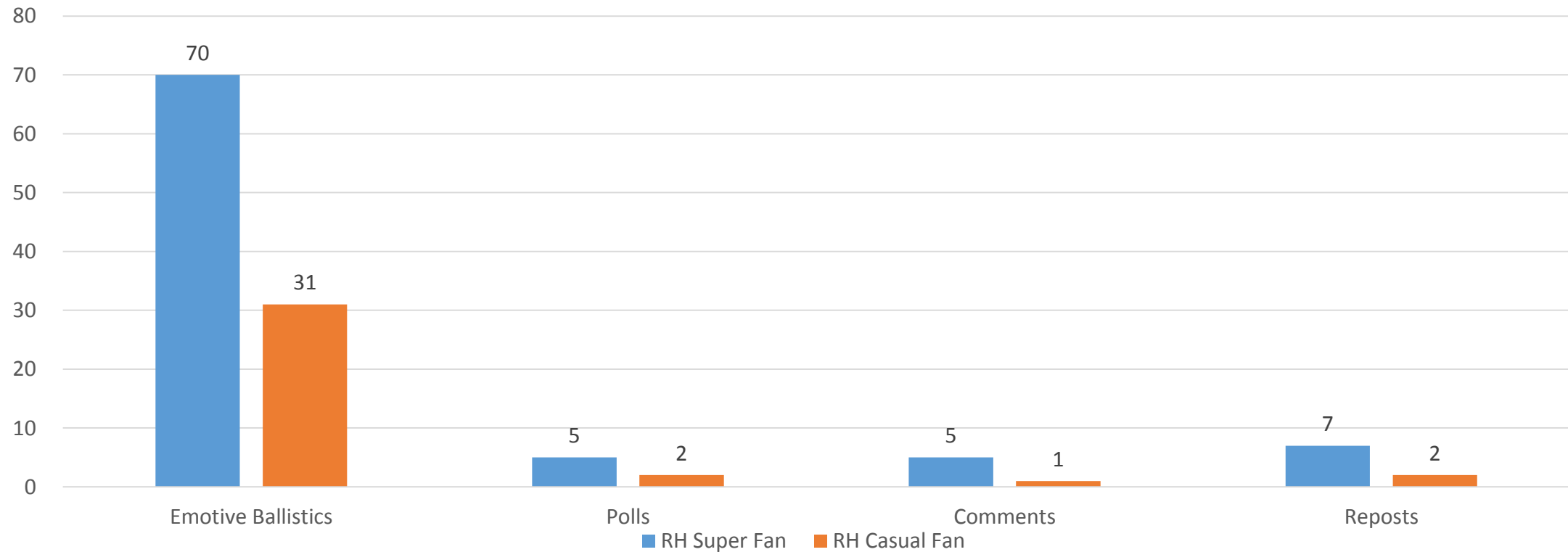
Daily % Engagers by Engagement Type



Key takeaway: explore ways to increase comment and repost conversion for casual fans

Super fans are much more likely to actively engage with content than casual fans

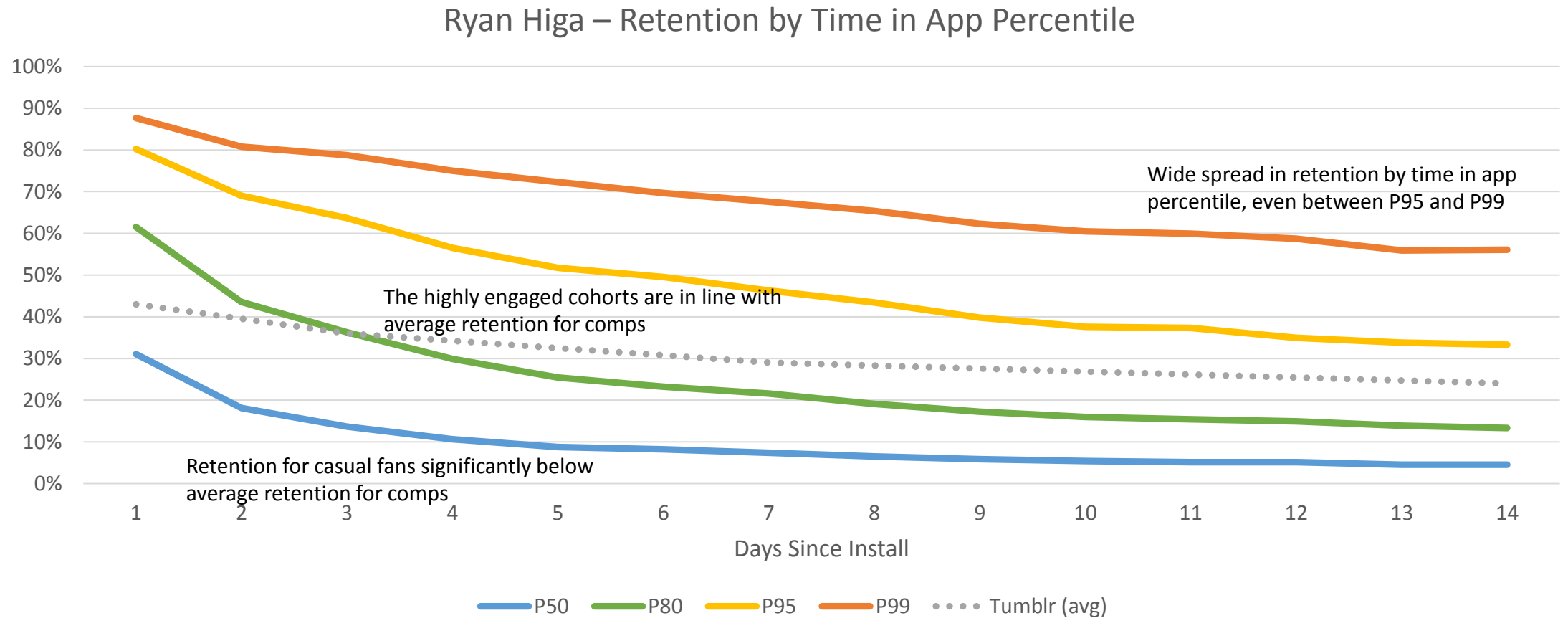
Daily Engagements Per Engagers by Engagement Type



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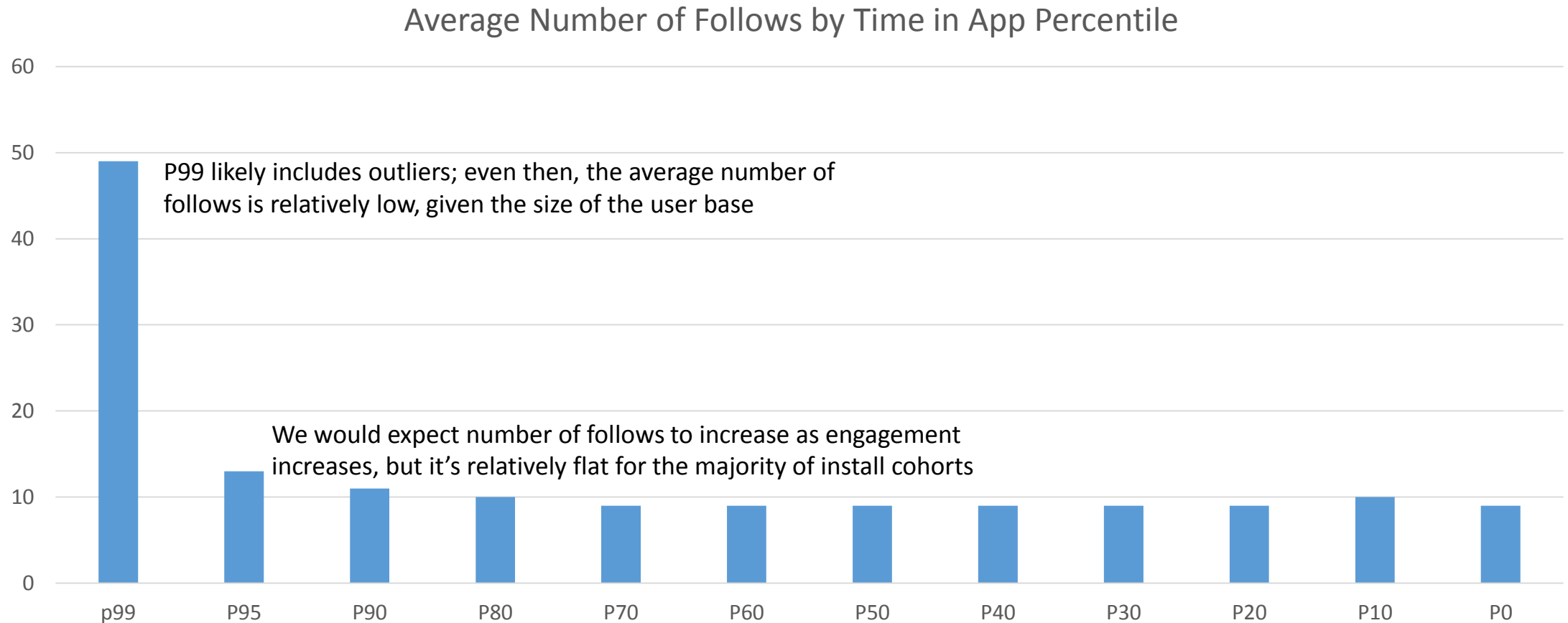
Opportunity for improvement in retention



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Hypothesis: Following is not a key driver for engagement and retention

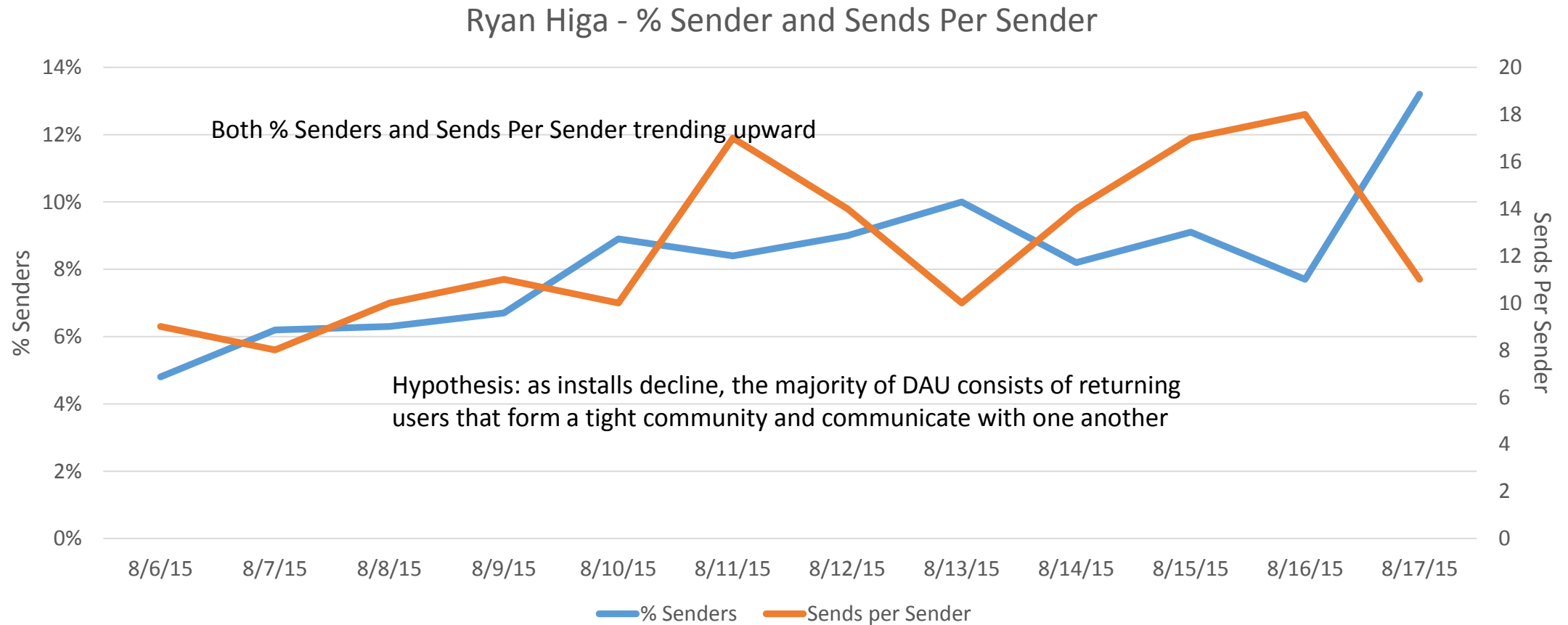


Key takeaway: can we replace following with better curation of community content?

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Daily engagement with messaging increases over time



Key takeaway: continue to invest in messaging and chat as a core feature for community

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Recap

- Time in app primarily driven by sessions per day
- Super fans create images but not videos
- Highest form of engagement for casual fans is Emotive Ballistics
- Questionable how important following is to engagement / retention
- Engagement with messaging increases over time

Next steps

Drill further session activity to understand core loop:

- Old: Analyze session activity for small set of users (P99 vs. P50 time in app)
 - Results likely correlate with existing cohort analysis
 - Results heavily weighted towards activity early in the user's life
- New: Analyze activity trends for n-day returner (1, 7, 14, 30)
 - Understand how user behavior evolves over time for users that return n-days after install
 - What do users do in the app that gets them to come back in the long term?