Non-profit Organization 'A' Social Media Audience Analysis

RESEARCH & ANALYSIS TASKS: DEMOGRAPHICS OF AUDIENCE

Facebook



Instagram



RESEARCH & ANALYSIS TASKS: DEMOGRAPHICS OF AUDIENCE

Current Meta Business Limitations

Meta Business Suite provides only basic demographic insights:

- Total follower count
- Age distribution
- Gender breakdown
- Top cities and top countries

POTENTIAL SOLUTION

- Strategic Platform Diversification: To capture comprehensive audience intelligence, we recommend expanding our digital presence:
 - Professional Network Expansion:
 - Linkedin for the audience who would be align and interested in Ecoservant's professional mission
 - Engagement-Focused Platform:
 - X or Threads for more engagement and discussion of Ecoservant's activities
- Survey Implementation: We can gather critical audience insights including:
 - Professional Demographics
 - i. Occupation categories (corporate professionals, students, environmental sector workers)
 - ii. Industry affiliations
 - Professional interests and expertise level
 - Acquisition Analytics
 - i. Traffic source attribution (Social platforms, search engines, email marketing, event attendance

DATA DESCRIPTION

Dataset Overview

- Facebook dataset: 32 dataset analyzed over 90-day period (May 13, 2025 August 10, 2025)
- Instagram dataset: 36 dataset analyzed over 90-day period (May 16, 2025 August 13, 2025)

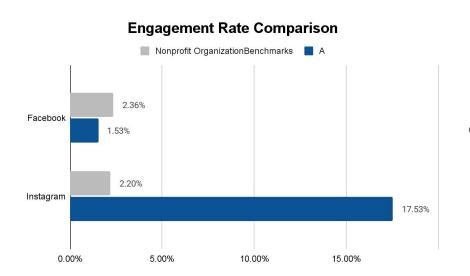
Data Variables

- Carousel: Multi-media posts (2-10 items) that users swipe through horizontally to view different content.
- **Engagement Rate**: Measures how actively your audience interacts with your content, calculated as the percentage of people who liked, commented, or shared your post out of the total number who saw it (reach).
 - Facebook: (Reaction + Comments + Shares) / Reach
 - o Instagram: (Likes + Comments + Shares + Saves) / Reach
- Links: Posts with external URLs to websites or content outside Facebook, showing link previews.
- Photos: Static image posts including single photos, albums, or carousels with multiple images.
- Reach: The total number of unique users who saw the content at least once during the specified time period.
- Reels: Short vertical videos (15-90 seconds) with music, effects, and creative editing.
- **Text**: Text-only posts without media attachments like status updates or announcements.
- Videos: Standard video content including longer-form, landscape/square format, and live videos.
- **Views:** The total number of times content was displayed on users' screens, including multiple views by the same user.

RESEARCH & ANALYSIS TASKS: NONPROFIT ORGANIZATION ENGAGEMENT RATE BENCHMARKS

Platform	Average Engagement Rate	Peak Performance	Source
Facebook	2.36% (2 posts/week)	3.0% (Albums)	Social media benchmarks: 2025 data + tips Hootsuite 2025
Instagram	2.2%	5.5% (Carousels)	Social media benchmarks: 2025 data + tips Social Insider/Hootsuite
TikTok	1.3%	-	Hootsuite 2025
LinkedIn	0.1-0.8%	2.5% (by reach)	Social Insider
X/Twitter	1.67% (3 posts/week)	2.4% (Replies)	Social media benchmarks: 2025 data + tips Hootsuite 2025

SOCIAL MEDIA ENGAGEMENT PERFORMANCE ANALYSIS



Facebook Performance:

- Mean engagement rate: 1.53%
- Performance assessment: Aligns closely with established nonprofit organization industry benchmarks, indicating standard performance levels with opportunities for optimization

Instagram Performance:

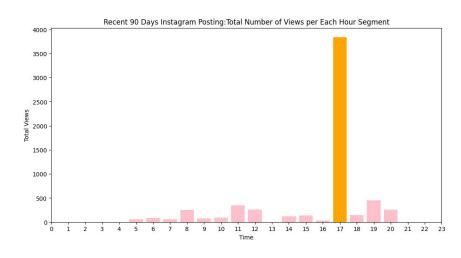
- Mean engagement rate: 17.53%
- Performing assessment: Demonstrates exceptional engagement levels, significantly exceeding industry standards. It should be noted that this analysis is based on a 90-day observation period, which may require extended data collection to validate long-term performance trends and ensure statistical accuracy of these metrics.

WHAT MAKES THESE NUMBER SO HIGH?

What types of post gets most views?

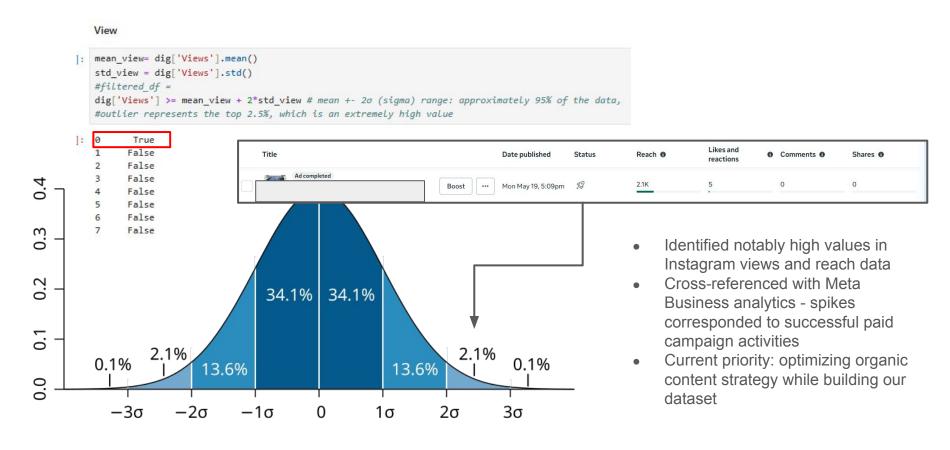
Recent 90 Days Instagram Posting: Average Number of Views per Post Type 600 500 200 100 IG carousel IG image IG reel

When is the best time to upload the media

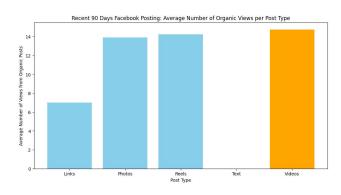


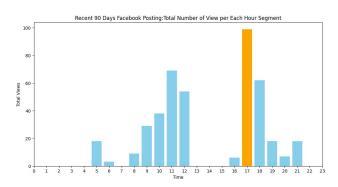
- Certain content categories and time periods demonstrated disproportionately high views and reach metrics compared to baseline performance, indicating potential outliers that warrant further investigation
- Applied the 2-sigma rule to identify outliers representing the top 2.5% of values in the distribution to filter out those campaign performing far above our normal range

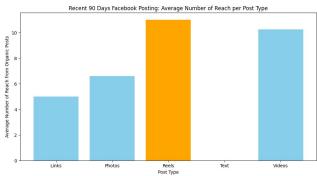
SEPARATING PAID VS. ORGANIC PERFORMANCE

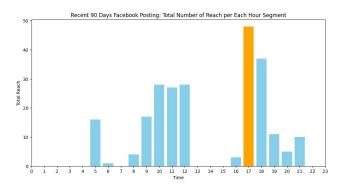


FACEBOOK USER BEHAVIOR ANALYSIS



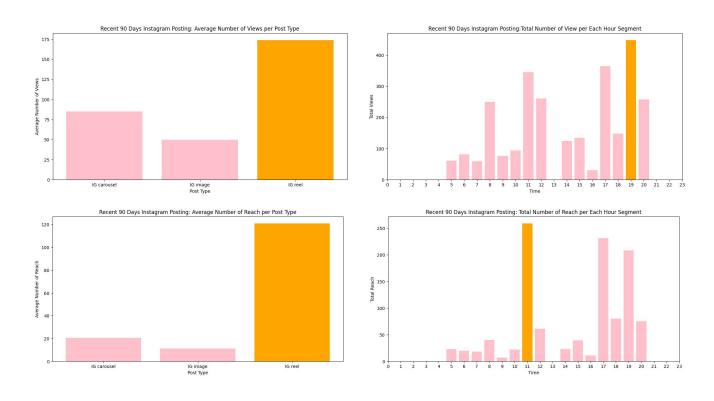






- Video, reels, and photos generate similar view counts, but reels and videos achieve significantly higher reach, indicating stronger distribution potential
- Peak engagement
 occurs during 5pm 6pm, followed by 11am
 - 12pm, presenting
 optimal posting
 windows for maximum
 visibility
- Recommendation:
 Prioritize video and reel content, and conduct A/B testing across peak time periods to optimize content-audience alignment

INSTAGRAM USER BEHAVIOR ANALYSIS



- For Instagram as well, Instagram reels consistently deliver the highest views and reach across all content types
- Peak reach occurs at 11am, followed by 5pm and 7pm, while peak viewing happens at 7pm, then 11am and 5pm - revealing three consistent time windes (11am, 5pm, 7pm) for strategic audience targeting, though with different engagement patterns.
- Recommendation:
 Prioritize Instagram
 reels while expanding data collection and implementing time-specific A/B testing to optimize content-timing combinations for maximum audience engagement