

DATASET ANALYSIS REPORT

Dataset: 2024_fb_ads_president_scored_anon.csv
Generated: 2025-06-29 20:13:57

DATASET OVERVIEW:

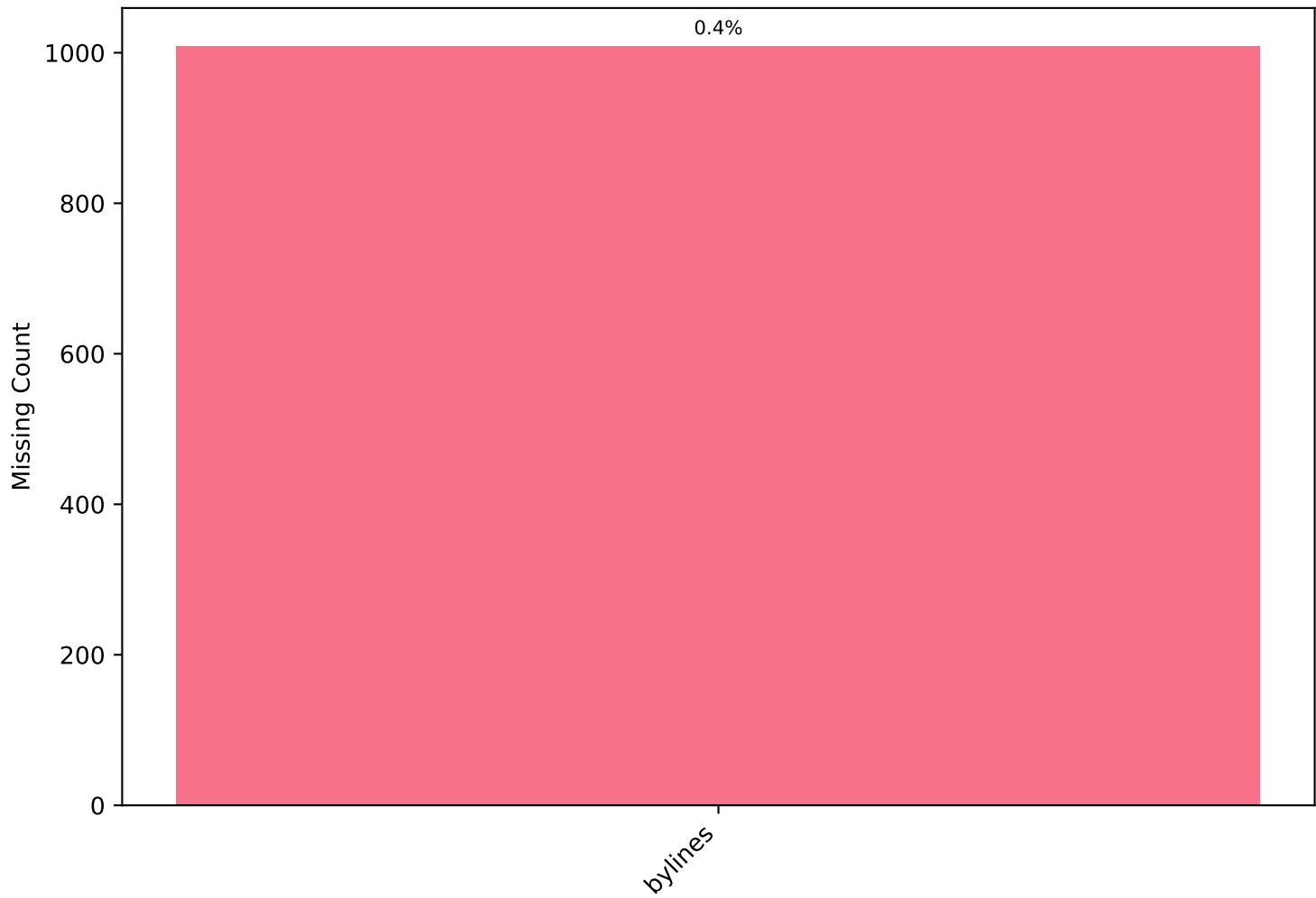
- Total Rows: 246,745
- Total Columns: 41
- Memory Usage: 627.73 MB

COLUMN TYPES:

- int64: 31 columns
- object: 10 columns

Missing Data Analysis

Missing Data by Column



Missing Data Summary

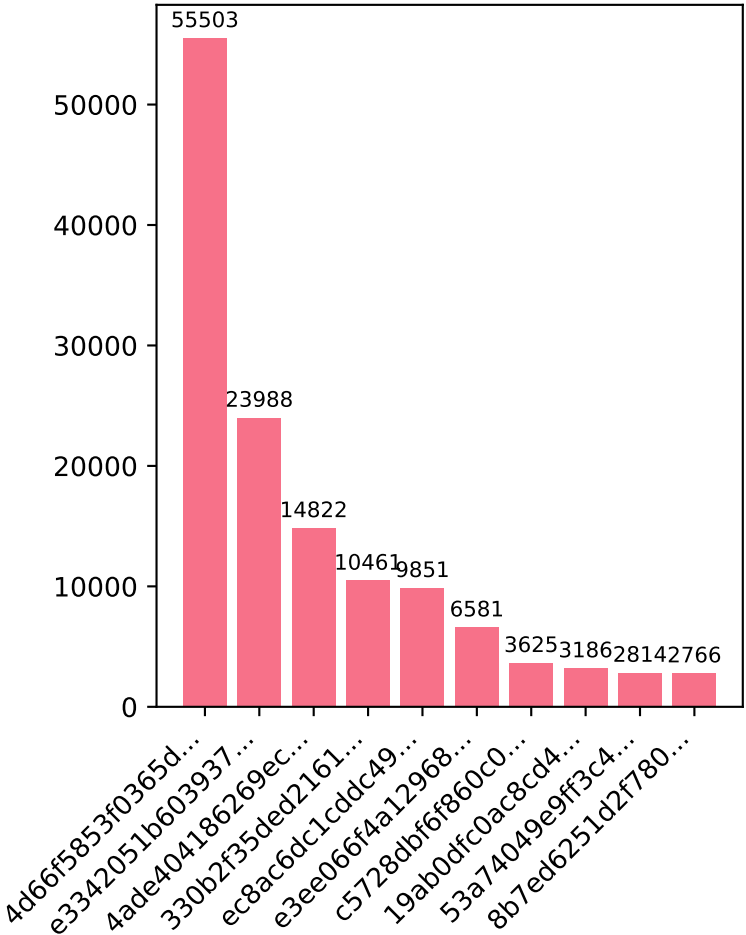
Column	Missing Count	Percentage
bylines	1,009	0.41%

Categorical Columns Analysis

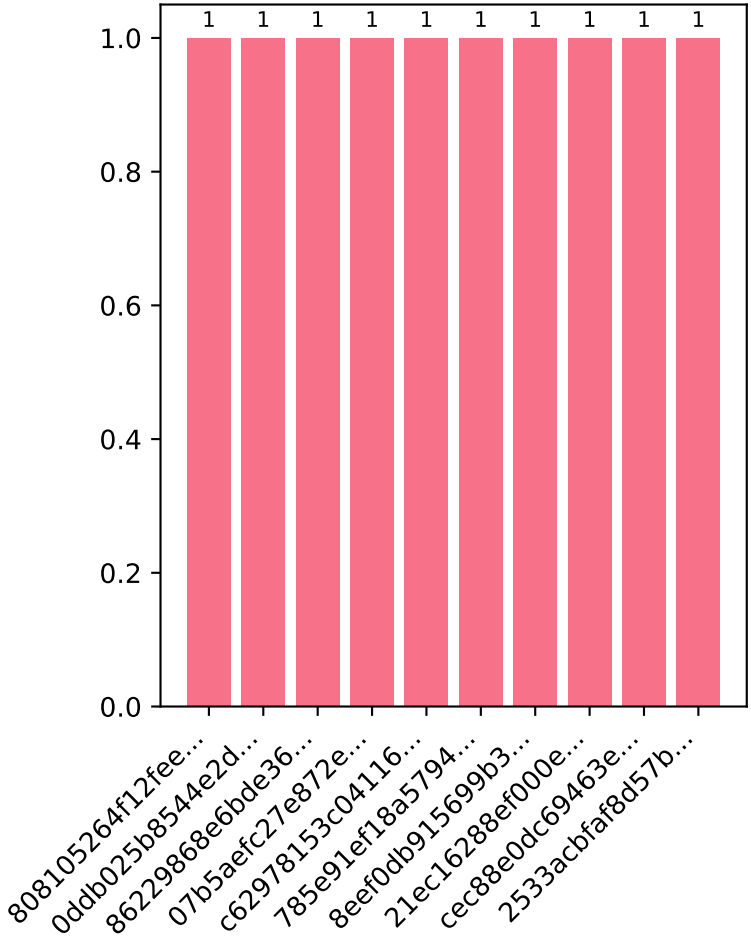
Summary Statistics

Column	Unique Count	Most Frequent	Count
page_id	4475	4d66f5853f0365dba0	55503
ad_id	2467458081	05264f12fee56	1
ad_creation_time	547	2024-10-27	8619
bylines	3790	HARRIS FOR PRESID	49788
currency	18	USD	246599
delivery_by_region	141122	{}	30989
demographic_distribution	215622	{}	30989
publisher_platform	9	['facebook', 'instag	214434
illuminating_score_mean	26338	e3b0c44298fc1c149a	5972
illuminating_mentions	278	[]	73205

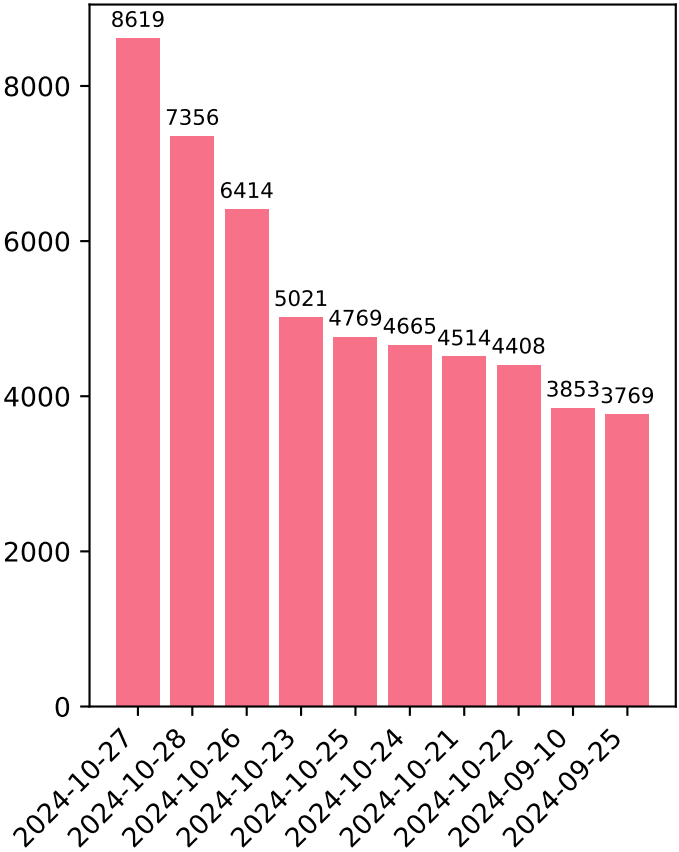
page_id - Top Values



ad_id - Top Values



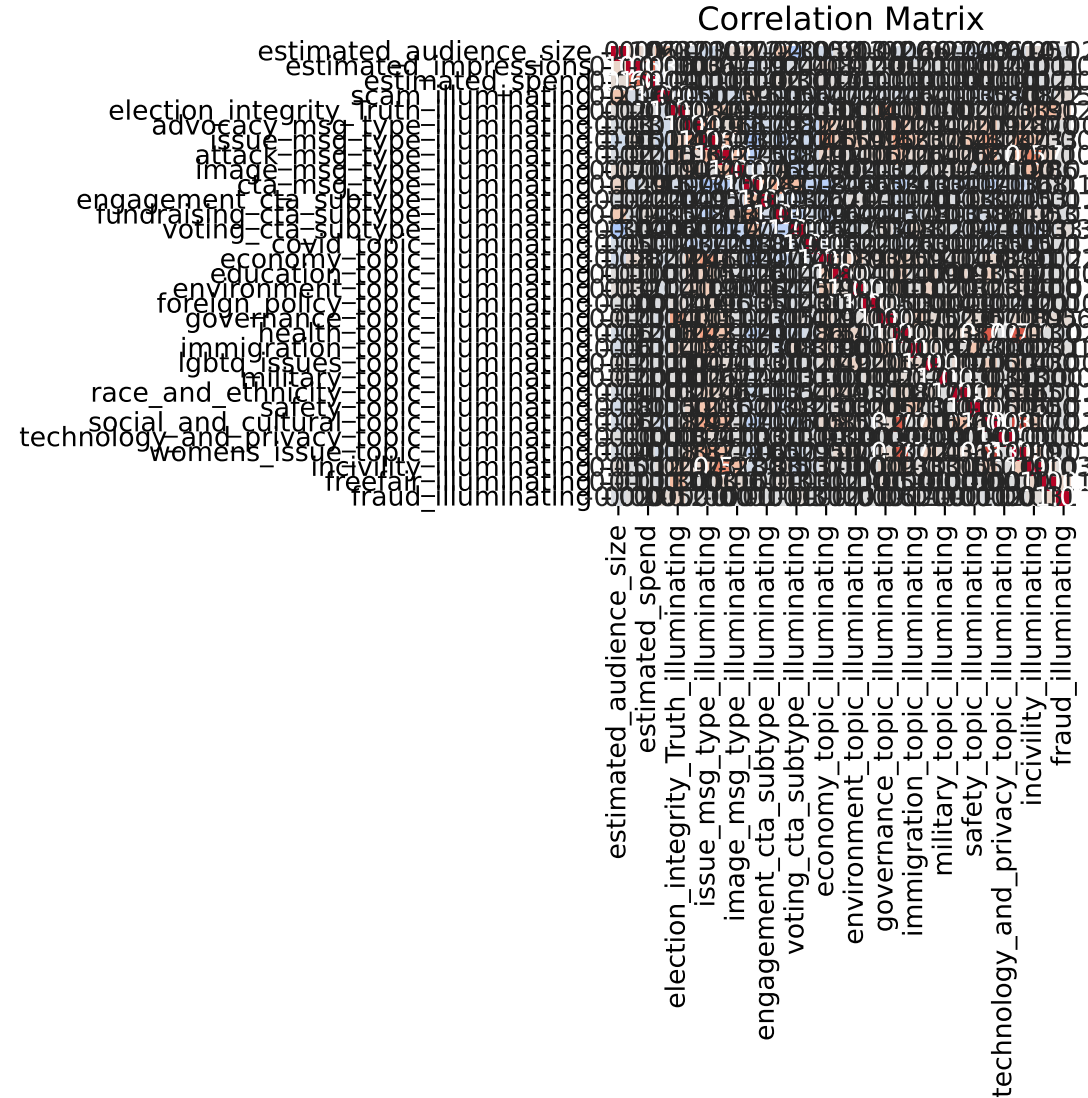
ad_creation_time - Top Values



Correlation Analysis

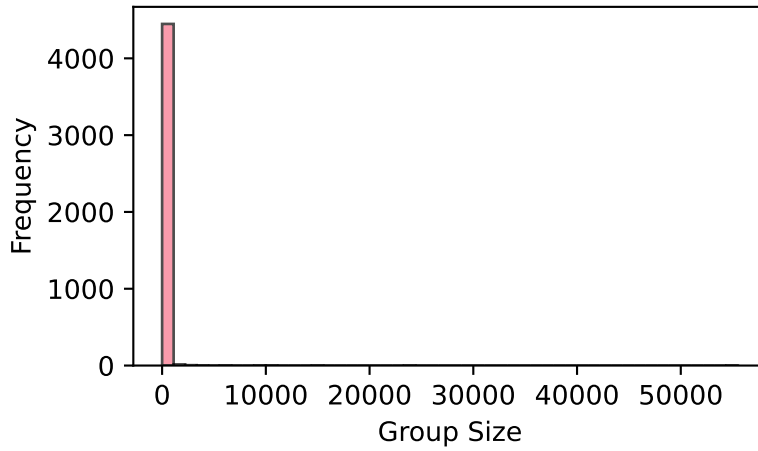
High Correlation Pairs ($|r| > 0.7$)

health_topic_illuminating ↔ social_and_cultural_topic_illuminating: 0.767
health_topic_illuminating ↔ womens_issue_topic_illuminating: 0.765
social_and_cultural_topic_illuminating ↔ womens_issue_topic_illuminating: 0.830



Analysis by Page ID

Group Size Distribution



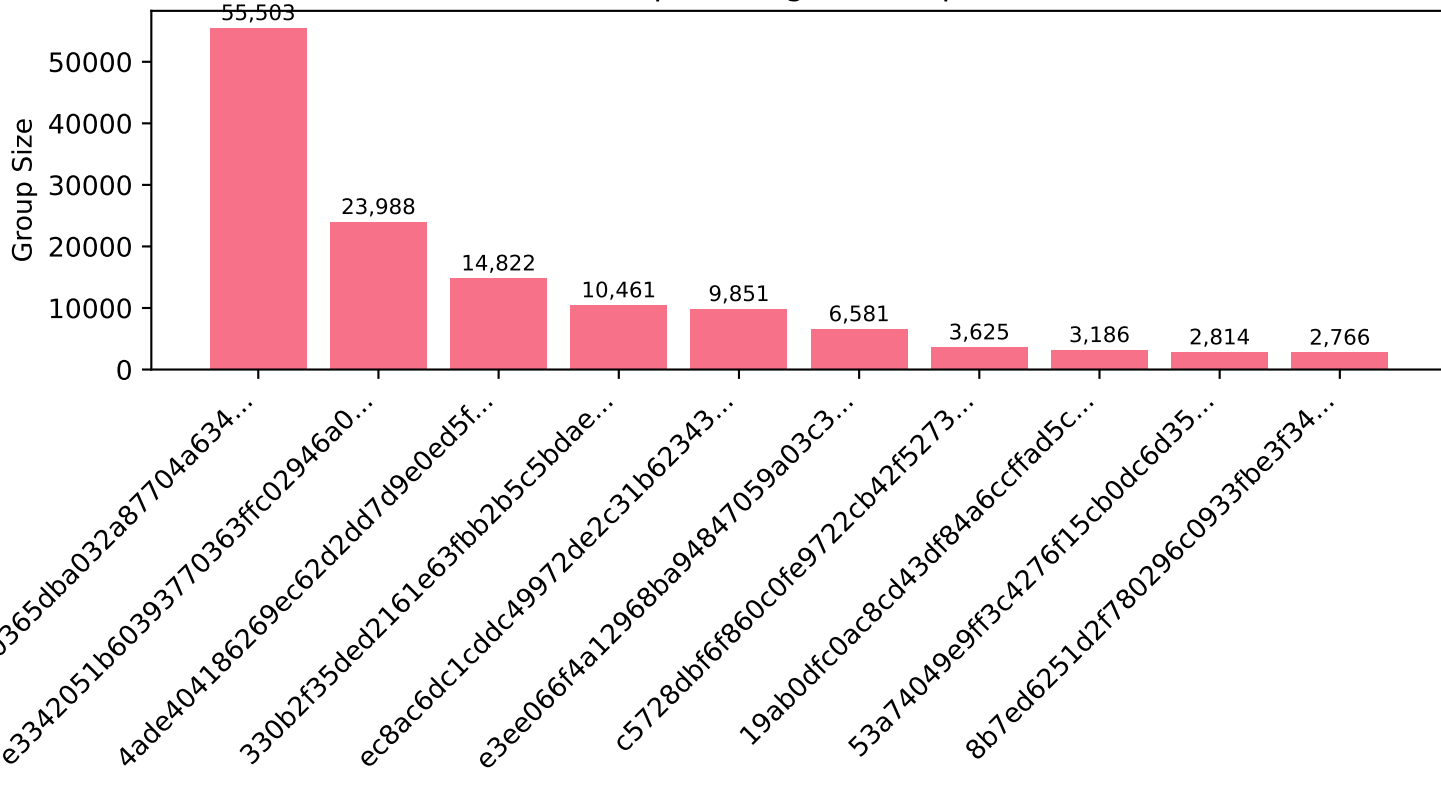
Group Size Statistics

Total Groups: 4,475

Group Size Statistics:

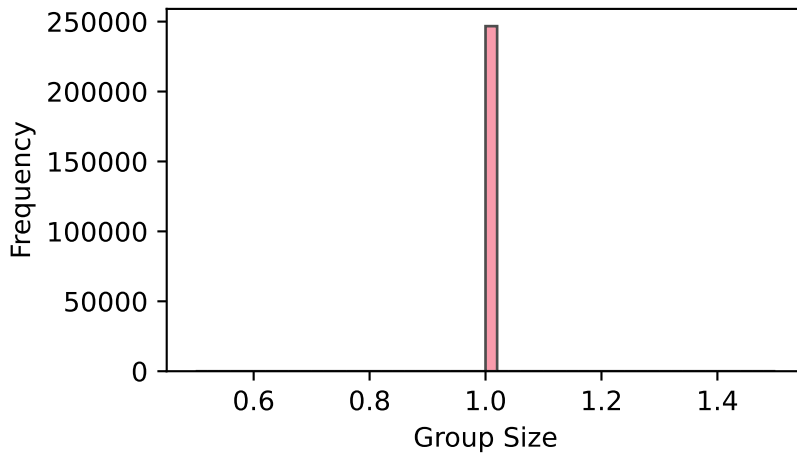
- Mean: 55.1
- Median: 3.0
- Min: 1
- Max: 55,503
- Std Dev: 971.9

Top 10 Largest Groups



Analysis by Page ID + Ad ID

Group Size Distribution



Group Size Statistics

Total Groups: 246,745

Group Size Statistics:

- Mean: 1.0
- Median: 1.0
- Min: 1
- Max: 1
- Std Dev: 0.0

Top 10 Largest Groups

