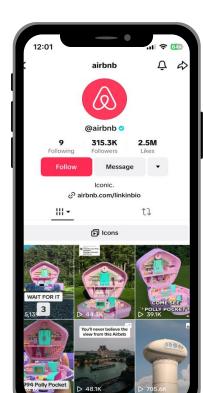




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October 2024



Introduction

Social media platforms are critical in shaping brand perception and user behavior (Kaplan & Haenlein, 2010).

TikTok's Role

Unique Platform: TikTok, with its short-form videos especially among Gen-Z (Kadekova & Holiencinova, 2018; Ortiz et al., 2023).).

Leading in Short-Form Video:

TikTok is known for its unique algorithm and capacity to engage a vast audience, making it a global counterpart to China's Douyin and one of the world's most rapidly expanding platforms for short-form video content (Kaye et al., 2021).

Influencer Marketing

Engagement Drivers: Identifying key influencers who drive the most engagement is crucial for refining digital marketing strategies (Wang & Huang, 2023).

Strategic Insights: Understanding TikTok's influence can help Airbnb adapt its marketing strategies in the evolving digital landscape.

Users growth

55 M. 2018



Tik Tok



(Statistics, 2024).

Introduction

Platform	Year of First Publication	Followers	Posts	
X	2008	880,600	44,300	
YouTube	2010	638,000	531	
Facebook	2012	16,155,768	Not available	
Instagram	2013	5,400,000	3553	
TikTok	2022	256,900	84	



AIM: to understand the image of the Airbnb brand on TikTok through the sentiments, emotions, and topics discussed in both Airbnb's official profile

Overview of Airbnb's Social Media Profiles (November 13,2023).

and user-generated content and the respective comments in each

Methodology

Data Collection:

•Period: Posts and comments from 2022-2023.

•Download Date: November 11, 2023.

·Language: English.



Text of the post and text of the comments

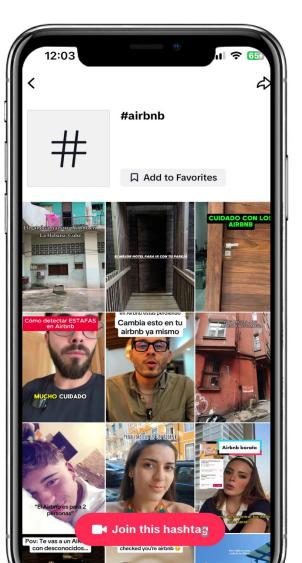


Audio of human voice

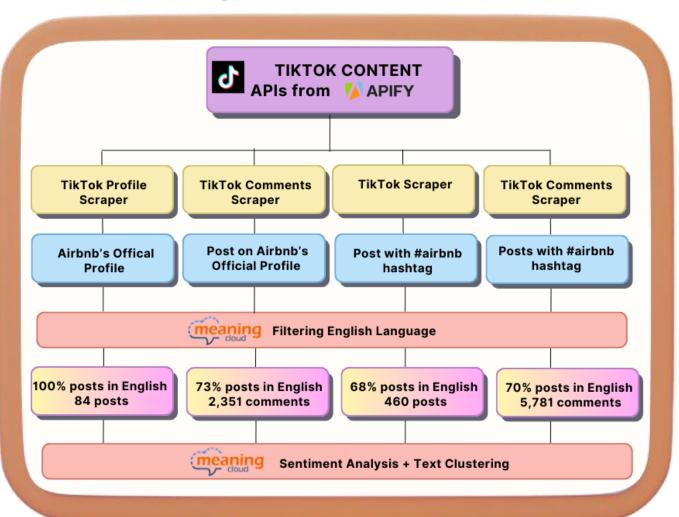
Official Profile

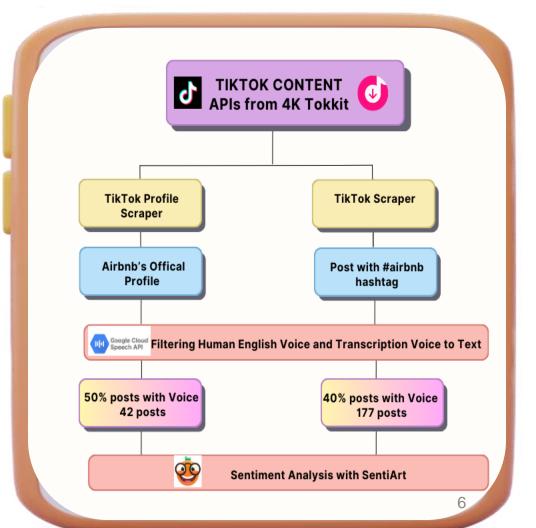


UGC #airbnb



Methodology





Methodology

What is Emotional Analysis?

With this model, you can classify emotions in English text data. The model was trained on 6 diverse datasets and predicts Ekman's 6 basic emotions, plus a neutral class:

1-anger 🐸

2-disgust 9

3-fear 😨

4-joy 😜

5-neutral 9

6-sadness 💗

7-surprise 🙂



















Surprised

Paul Ekman's Theory of Emotion

Results

Category	Text from Airbnb Official Posts (84)	Text from #Airbnb posts(460)
Art & Entertainment	4	21
Business	-	12
Real Estate	-	16
Sports	5	8
Travel	47	349

Top 5 Text Clustering of TikTok Content using MeaningCloud

TEXT CLASSIFICATION OF TIKTOK CONTENT

Text from Airbnb Official Post (Travel + Art & Entertainment + Sports)

Text from #Airbnb posts (Travel + Art & Entertainment + Business + Real State)



Results

Dependent Variable	iable Influencer Type		Mean	Stand.Desv.	F-Value	p-Value	
Engagement	Nano influencer (I–10k) Micro influencer (10k-100k) Macro influencer (100k-1M) Mega influencer (+1M)		160.68 36.45 25.54 39.37	134.05 25,49 16.12 28.59	77.72	<0.001	

Analysis of Variance - Engagement Through Type of Influencer

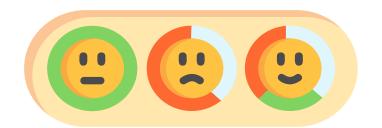
influencers achieve much higher average engagement Nano compared to the other types of influencers. In the quantitative analysis of influencers, we have assessed success in terms of the interaction of the posts with the users.



Results

		Text from Airbnb Official Post		Comments in Airbnb Official Post		Text from #Airbnb post		Comments in #Airbnb Þost	
	Polarity	2022	2023	2022	2023	2022	2023	2022	2023
	N & N+	6	2	236	323	30	30	237	555
•	(%)	(12%)	(6%)	(17%)	(32%)	(15%)	(11%)	(16%)	(13%)
	NEU & NONÉ	26	Ì 14	449	389	77	92	737	2295
	(%)	(53%)	(40%)	(33%)	(39%)	(39%)	(35%)	(49%)	(54%)
	P & P+	17	19	439	279	89	142	535	1422
	(%)	(35%)	(54%)	(32%)	(28%)	(45%)	(54%)	(35%)	(33%)
	Total	49	35	1360	991	196	264	1509	4272

Polarity in Text Publications and Comments From 2022 to 2023, Analyzed Using MeaningCloud



Some comments –@TAGGING

e-WOM

Results

		TikTok Voice fro Po	m Airbnb (ost	Official	TikTok Voice fro	om #Airbn	b Post
Classifier	Method	Mean (SD)	Min	Max	Mean (SD)	Min	Max
SentiArt (emotion)	Sentiment	0.61 (0.45)	0.02	1.77	0.31 (1.01)	-0.72	1.19
,	Anger	-0.13(-1.22)	-0.45	0.26	-0.18 (-1.29)	-0.92	0.82
	Fear	0.39 (0.86)	-0.37	1.20	0.46 (0.88)	-0.68	1.92
	Disgust	-0.05(-3.51)	-0.38	0.38	0.06(-3.67)	-0.80	0.78
	Happiness	0.58 (0.43)	0.07	1.28	0.47 (0.59)	-0.41	1.17
	Sadness	0.31 (0.71)	-0.77	1.06	0.14 (1.74)	-0.47	1.17
	Surprise	0.45 (0.54)	-0.002	1.01	0.48 (0.65)	-0.68	1.50

Sentiment Analysis Results With SentiArt Using Orange Data Mining

The tool uses vector space models together with theory-guided, empirically validated label lists to compute the valence of each word in a text by locating its position in a 2D emotion potential space spanned by the words of the vector space model (Jacobs, 2019).

90% agreement

Conclusions

Brand vs. User Perception:

The study demostrated that the diferentes topics depend on the profile, real state and business in the UGC #airbnb User-Generated Content (UGC): UGC on TikTok generates more engagement especially from nano-influencers due to their perceived authenticity.

Positive Sentiment: Airbnb's content on TikTok is largely viewed positively, with "happiness" being the predominant emotion across both user and brand content.

Implications:

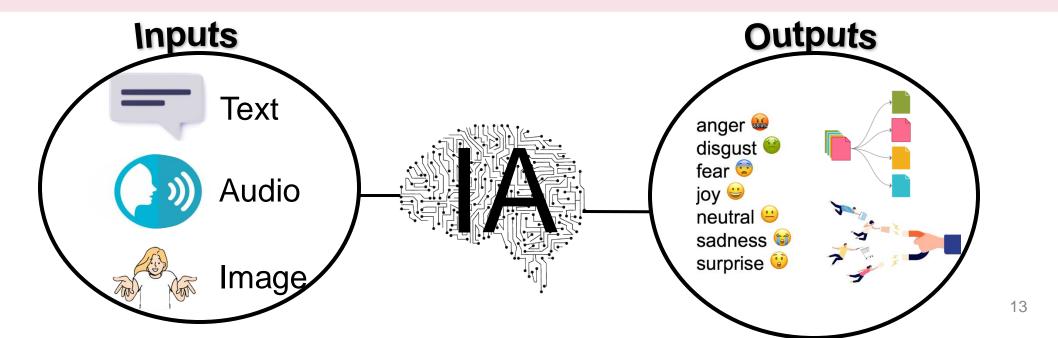
- Strategic Importance of UGC
- TikTok as a Key Platform
- Innovative Methodology



Al-Driven Social Media Listening about Airbnb Limitations Future work

- -Data base: Focus on a single company
- -Emphasis on the holiday segment
- -Language
- -Geographical Scope
- -Exploratory Study
- -Generation Z Bias

- -Expansion to other brands: civitatis, klook
- -Inclusion of other types of accommodation
- -Multilingual analysis: Chinese
- -Development of real-time tools for detecting a crises on social media(AI) to analyses different content: video, audio, image (negative reviews)



Funding

This thesis has been subsidized by:

- Spanish Ministry of Science and Innovation within the **RevTour project** [Ref: PID2022-138564OA-I00] "Uso de las reseñas en línea para la inteligencia turística y el establecimiento de estándares de evaluación transparentes y confiables" (Use of online reviews for tourism intelligence and for the establishment of transparent and reliable evaluation standards).
- Spanish Ministry of Industry, Trade and Tourism, funded by the European Union –
 Next Generation EU, within the GASTROTUR project [Ref: TUR-RETOS2022017] "Revalorización de los destinos a través de los aspectos semióticos de la
 imagen gastronómica y del contenido generado por los turistas" (Revaluation of
 destinations through the semiotic aspects of the gastronomic image and the
 content generated by tourists).
- Institute of Social and Territorial Development within the **ResTur project** for the 2023CRINDESTABC call.





Many Thanks

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October 2024