# **Sentiment Insights on Mental Health**

TotalRecords

**5**M

PositiveSentiment

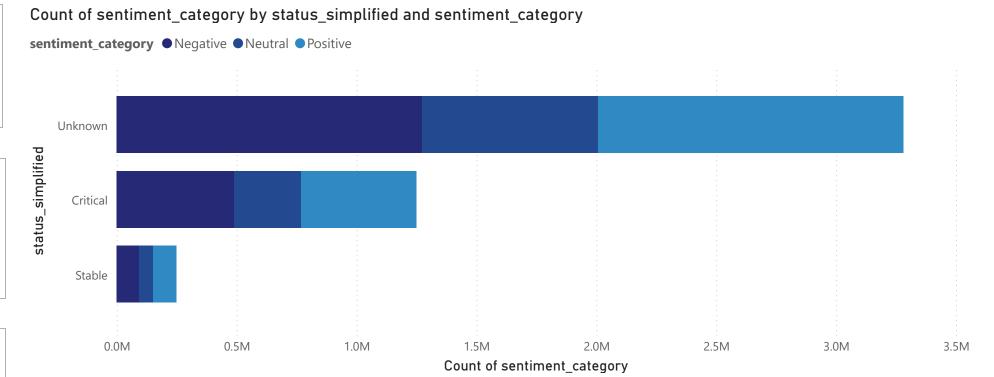
0.39

NegativeSentiment

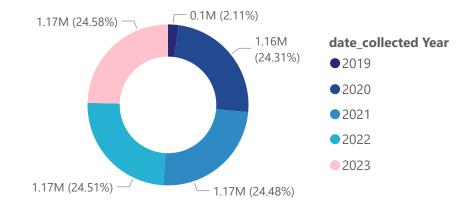
0.39

NeutralSentiment

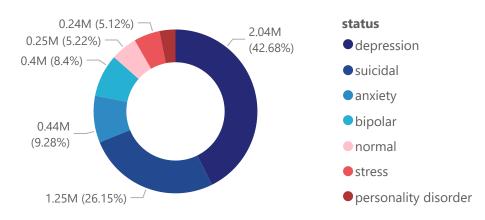
0.22







#### Count of SentimentScore by status



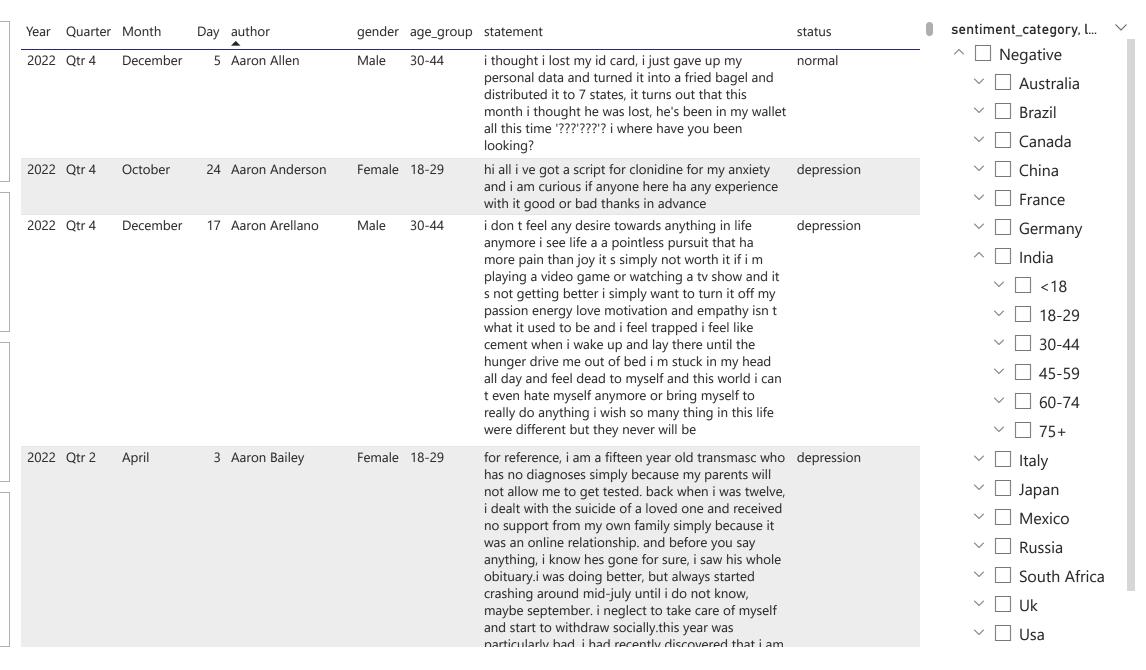
### **Overview of Mental Health Sentiment Data**

TotalRecords 5M

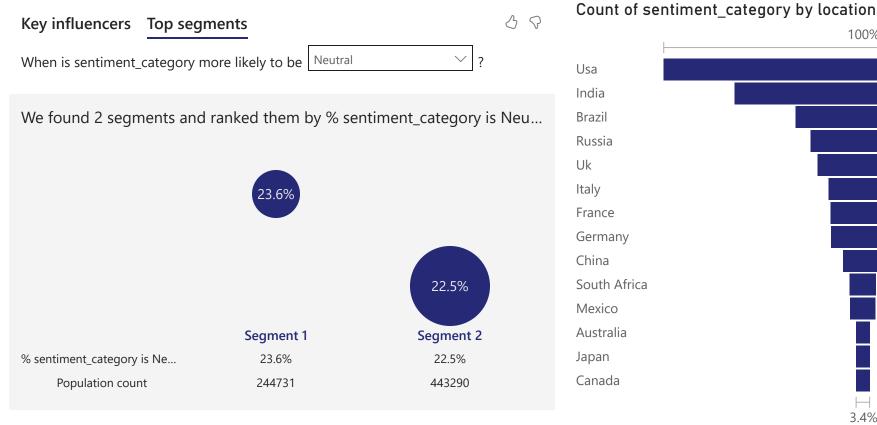
Count of...

Count of age

Count of...



## **Why Sentiment Analysis Matters**



100% 0.93M 0.49M 0.38M 0.33M 0.25M 0.23M 0.23M 0.14M 0.10M 0.09M 0.05M 0.05M 0.05M 3.4%

Mental health issues are becoming increasingly prevalent worldwide, affecting people of all ages, genders, and backgrounds. Despite growing awareness, the emotional and psychological experiences of individuals are often difficult to measure and understand at scale.

Traditional mental health research relies heavily on surveys and interviews, but these methods lack real-time insights and emotional nuance. Sentiment analysis of mental health statements allows us to identify emotional patterns, detect early warning signs, and develop more effective support strategies.

☑ **Identify Emotional Trends:** Detect how different demographics experience mental health issues.

Highlight High-Risk Cases: Spot negative sentiment spikes that could signal need for intervention.

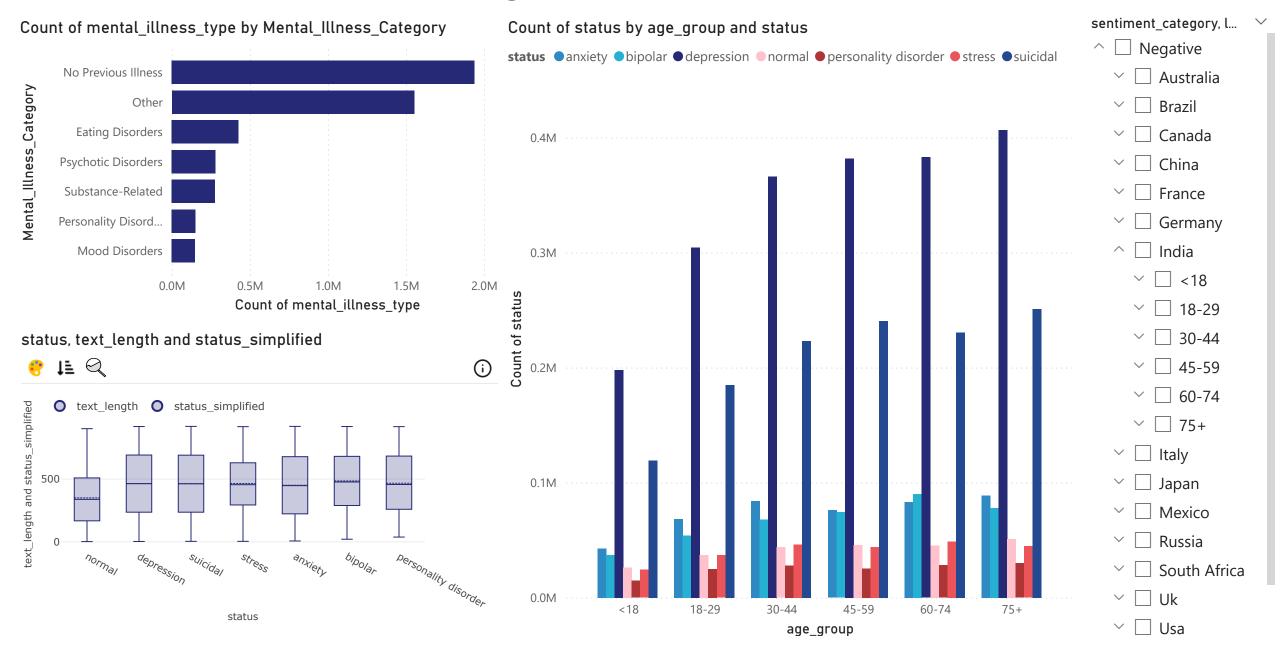
✓ Track Emotional Shifts Over Time: Measure how sentiment evolves in response to external factors.

✓ Enhance Support Accessibility: Pinpoint underserved regions or demographics needing more support.

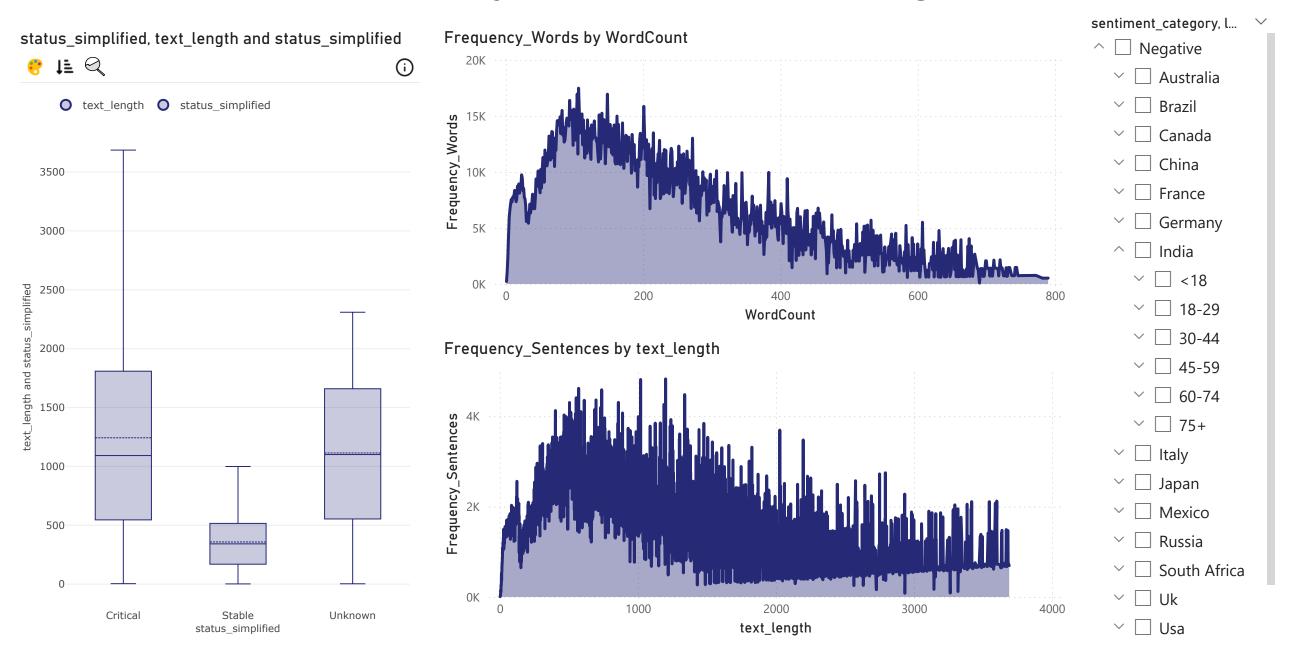
	sentiment_category, l	~
_	^   Negative	
	Australia	
	∨ ☐ Brazil	
	∨ ☐ Canada	
	∨ ☐ China	
	∨ ☐ France	
	∨ ☐ Germany	
	^ 🗌 India	
	∨ □ <18	
	∨ □ 18-29	
	∨ □ 30-44	
	∨ □ Italy	
	∨ ☐ Japan	
а	∨  ☐ Mexico	
	∨ ☐ Russia	
	∨ ☐ South Africa	
	∨ □ Uk	

Usa

## **Sentiment Intelligence: Patterns Across Dimensions**



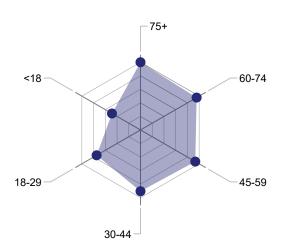
# **Text Anatomy: Structural and Lexical Insights**



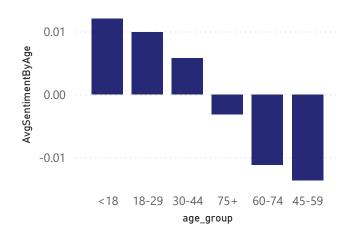
# **Demographic Sentiment Dynamics**

# Count of sentiment\_category by age\_group

Axis Count of sentiment\_category

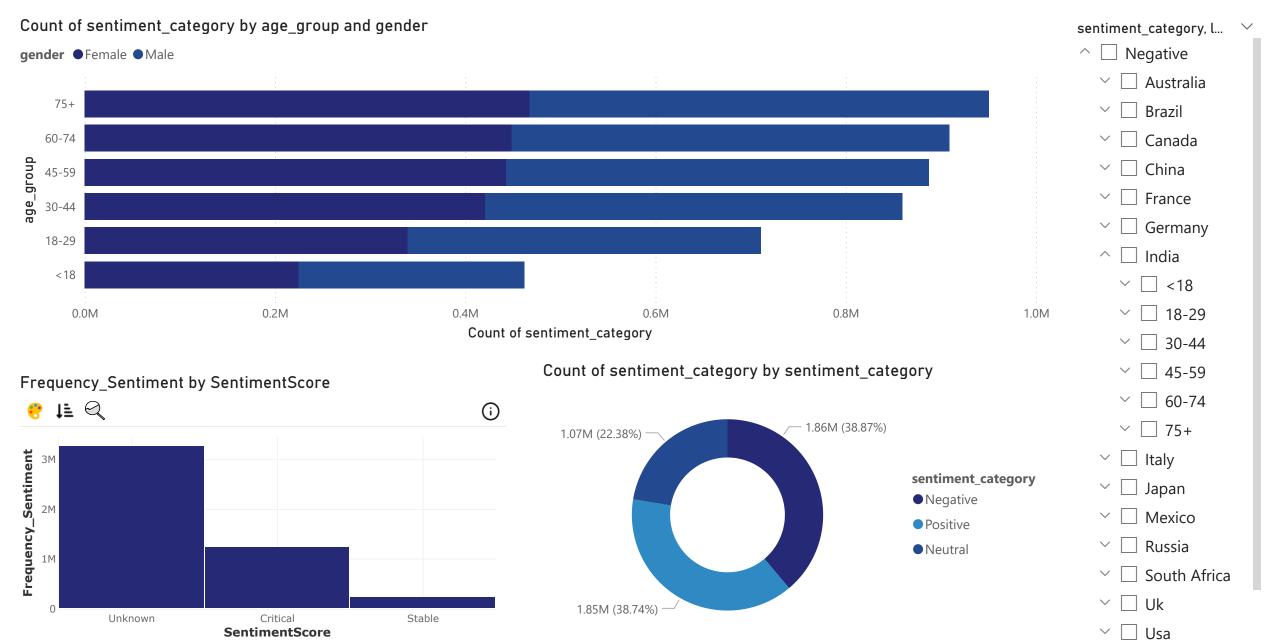


#### AvgSentimentByAge by age\_group



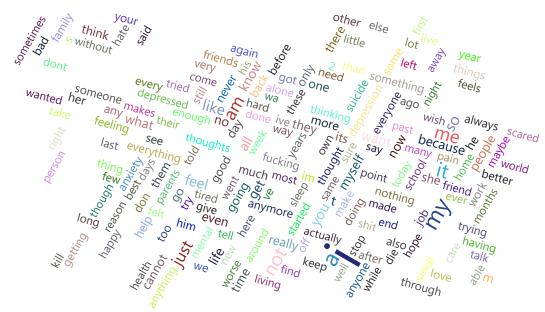


### **Correlation Matrix: Sentiment Drivers & Interactions**

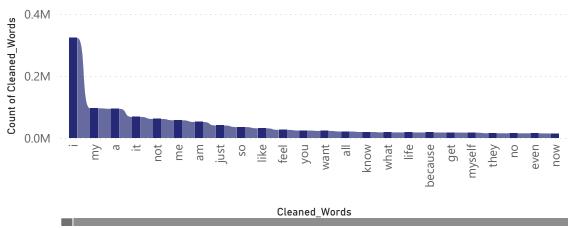


# **Linguistic Insights: NLP-Driven Sentiment Signals**

#### Count of Cleaned\_Words by Cleaned\_Words



#### Count of Cleaned\_Words by Cleaned\_Words

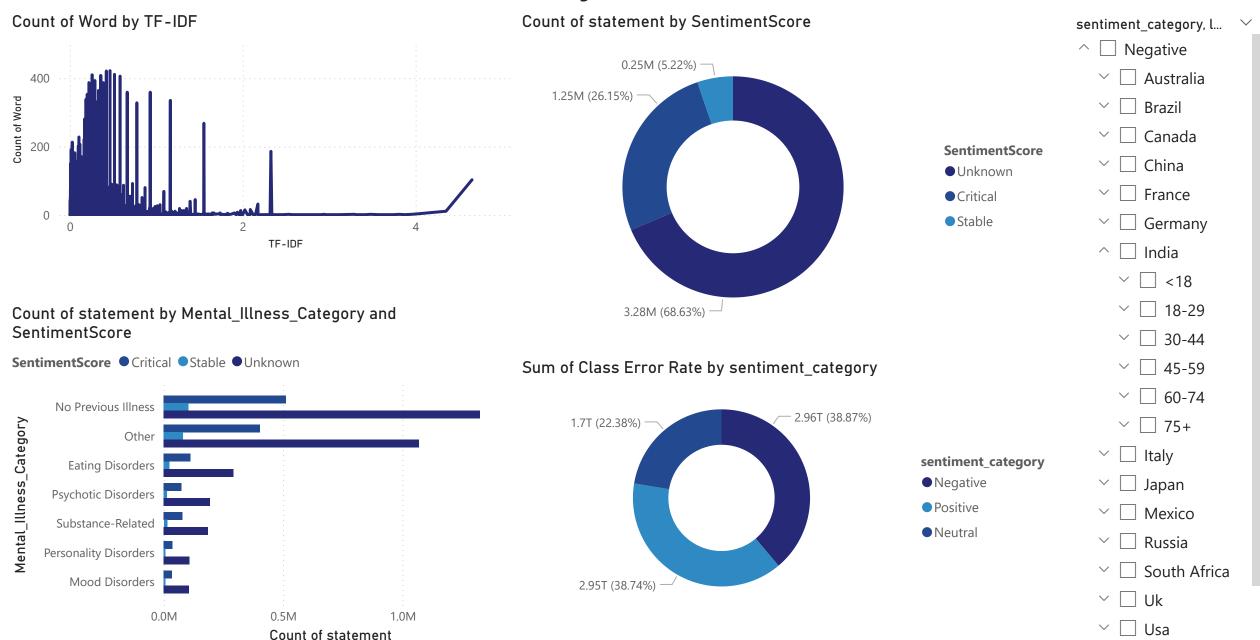


Word	Sum of TF	Sum of IDF	Sum of TF-IDF
ZZZZZZZZZ	0.14	4.65	0.66
ZZZZZZ	0.15	8.70	0.64
ZZZZ	0.13	8.70	0.58
zzzquil/benadryl	0.01	4.65	0.03
zzzquil	0.01	4.65	20.0
ZZZ	0.13	4.65	0.58
zyrtek	0.00	4.65	0.01
zyrtec	0.05	12.53	0.21
zyprexa	0.01	4.65	0.03
to			
zyprexa	0.00	4.65	0.01
maybe			
zyprexa	0.83	144.98	2.67
zyda	0.03	4.65	0.13
zy	0.04	4.65	0.17
ZXZ	0.03	4.65	0.14
zxljdctvdp	0.02	4.65	30.0
zx10	0.00	4.65	0.01
zwei	0.09	9.31	0.40
zwebel	0.09	4.65	0.42
zwak	0.00	4.65	0.01
zvm5u6tx	0.02	4.65	0.11
zvkczsxmjx	0.02	4.65	0.11
zurich	0.14	4.65	0.66
Total	1,10,423. 04	51,39,649.4	83,353.19

sentiment_category, l 🗡					
^  Negative					
∨ ☐ Australia					
∨ ☐ Brazil					
∨ ☐ Canada					
∨ ☐ China					
→ □ France					
✓ ☐ Germany					
^ 🗌 India					
∨ □ <18					
∨ □ 18-29					
∨ □ 30-44					
√ □ 75+					
∨ □ Italy					
∨ ☐ Japan					
∨ □ Mexico					
∨ ☐ Russia					
∨ ☐ South Africa					

∨ ☐ Usa

## **Sentiment Polarity and Feature Influence**



## **Actions and Strategic Recommendations**

