



# REELFEEL

Your personal movies recommender

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# *Other Recommender Systems chase clicks...*

*What they think you want*



*“People who liked Inception also liked Tenet”*

*You liked car chases? Here’s 50 more*

*High positivity – good movie*

*What you actually get*

*A headache and two existential crises.*

*Same movie, different font*

*Recommends ‘The Emoji Movie’*





*...while ReelFeel chases catharsis*



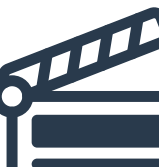

*How do  
you  
want to  
feel  
tonight?*

We ask *how* you want to feel, not just *who* you want to copy

We look at emotional nuance --> joy vs. adrenaline are not synonyms

We separate *emotion* from *evaluation* --> sad can be beautiful.

Empathetic, multi-modal, and just a little cinematic.





*We look for different perspectives*



**IMDb**

**IMDb**

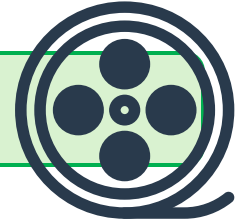
**You** **Tube**



*We look for different perspectives*

**IMDb**

User Reviews - 25 per movie



**IMDb**

Critics Reviews - 10 per movie



**You Tube**

Trailers - 25 per movie



# *What goes behind*

Uses RoBERTa (emo) and DistilBERT (sent)

**TF-IDF** head+tail selection to keep the punchy parts for **longer reviews**

Weightage as per the **user preference**

Employ Hugging Face pre-trained Transformer model for emotion detection

Get **7-emotion distribution** for each comment and a **sentiment score**

Fuse multi-source vectors per movie followed by **L2-norm**

Query → **cosine similarity** → rank top-k

Get Recommendations

Add the user feedback for future recommendations



# "AHA" moments

## Critic vs Audience

**Strong emotional agreement**  
(0.85 cosine similarity)

**No systematic harshness**  
(Sentiment gap centers around 0)

**Explosions unite; complexity divides**  
(Action/Adventure -> Strong alignment  
Drama/Bio -> Low alignment)

## Hype vs Reality

**Strong emotional agreement**  
(0.81 cosine similarity)

**Similar Sentiment**  
(Both trailer and movie sentiments center around the same positive value)

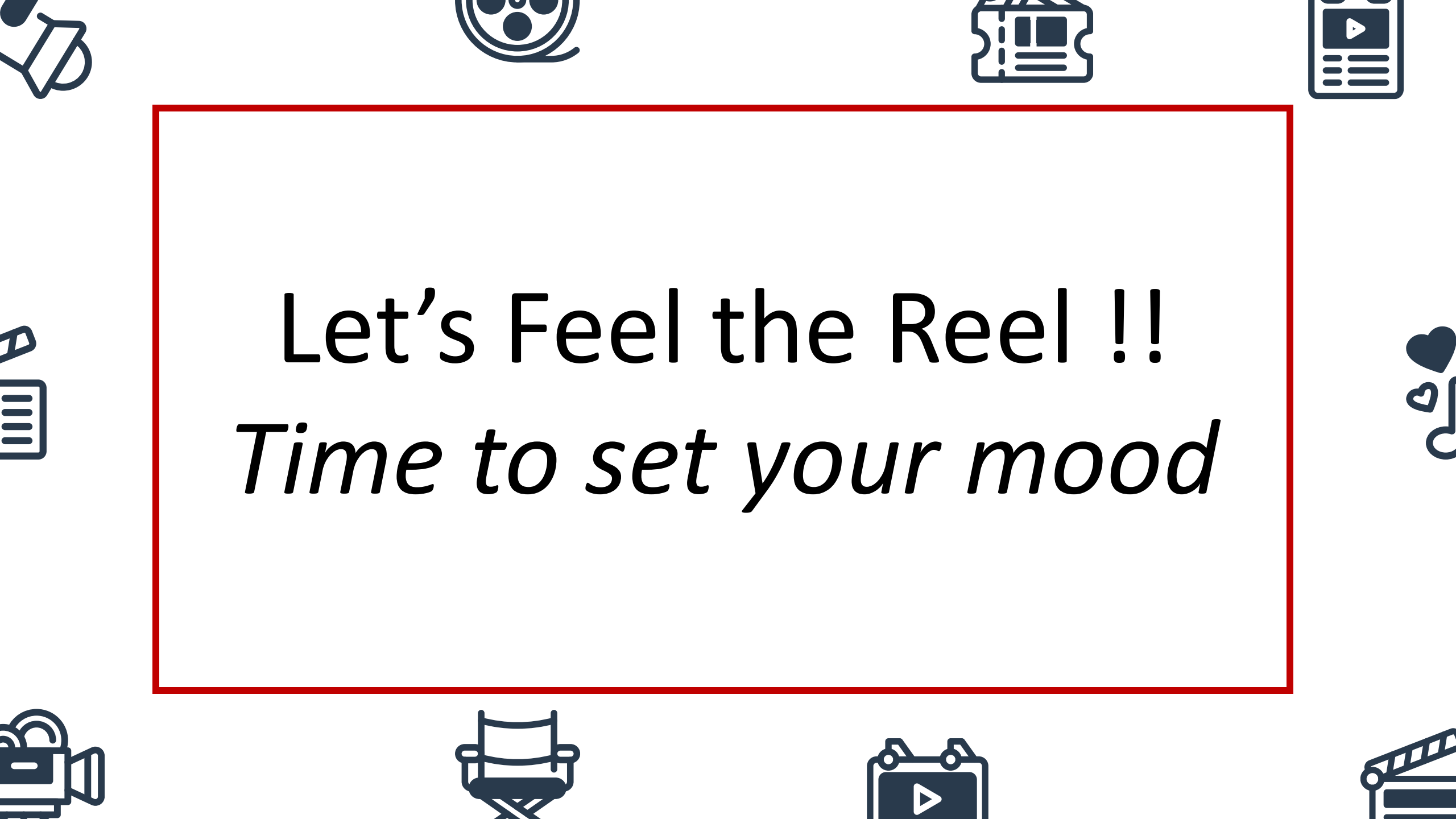
**Adrenaline is Predictable; Dread is Unexpected**  
(Action/Adventure -> Strongest alignment  
Mystery/Horror-> Lowest alignment)

## What drives Rating?

**Emotion decoupling**  
Emotional richness or tone don't directly drive ratings. Contextual or **emotionally resonant narratives** can override tonal expectations

**Emotional diversity vs ratings**  
Users reward coherence over sheer complexity

**Entropy**  
Audiences experience richer and more diverse emotions than critics

The background of the slide is decorated with various film-related icons in a dark blue color. These include a megaphone in the top-left, a film reel in the top-center, a movie ticket in the top-right, a smartphone with a play button in the top-right corner, a clipboard with a pencil in the middle-left, a heart with a musical note in the middle-right, a movie camera in the bottom-left, a director's chair in the bottom-center, a clapperboard in the bottom-right, and a clapperboard in the bottom-right corner.

Let's Feel the Reel !!  
*Time to set your mood*



# EMOTION-BASED MOVIE RECOMMENDER

Because your therapist said you need to "feel your feelings" 🧠💡+

## Context Mode

Choose a mood preset

Custom

## Emotion Mix



🔍 Found 10 movies that totally get you (probably better than your friends do)!

#1 • THREE BILLBOARDS OUTSIDE EBBING, MISSOURI

96.0% Match

Sources: USER + CRITIC + YT

Available on:

Hulu HBO Max

Price Tier: Subscription/Rent

Overall Sentiment: 😊 0.30

★ IMDb Rating: 8.2/10

Key Emotions:

😊 Neutral

😞 Sadness

Dominant: 😊 Neutral

Feedback:

👍

👎

📊 Detailed Emotion Breakdown by Source

User Reviews Critic Reviews YouTube Reactions

✅ L2 Norm: 1.000 (normalized for cosine similarity)

Emotion Values:



USER Profile



## Perspective Weights

Critics

0.30

Audience

0.50

YouTube

0.20

## Streaming Platforms

Show only movies available on:

- ☐ Netflix ☐ Amazon Prime
- ☐ Hulu ☐ Disney+
- ☐ HBO Max ☐ Apple TV+
- ☐ Paramount+