Multi-Label Emotion Classification in English Poetry using Song Lyrics and a Dual Attention Transfer Mechanism

James Urbati
@JamesUrbati

Follow

One of those days that rush "hour" lasts for 3 hours.

Bré
@BastardBadBones

Replying to @BuzzFeedNews

All I could do was cry knowing my family is on a different island than me and I couldn't be there with them in our last moments...hearing him talk about his children in the bath tub was heart breaking.
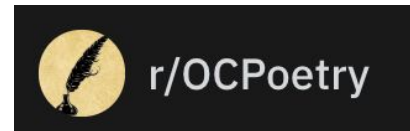
Emotion classification captures nuance present in text that is unaddressed by sentiment classification

Multi-Label Emotion Classification in **English Poetry using Song Lyrics** and a Dual Attention Transfer Mechanism

GENIUS

My tea's gone cold I'm wondering why / I got out of bed at all The morning rain clouds up my window / And I can't see at all / And even if I could it'd all be gray / But your picture on my wall / It reminds me that it's not so bad / …

☐ Positive ✔ Negative
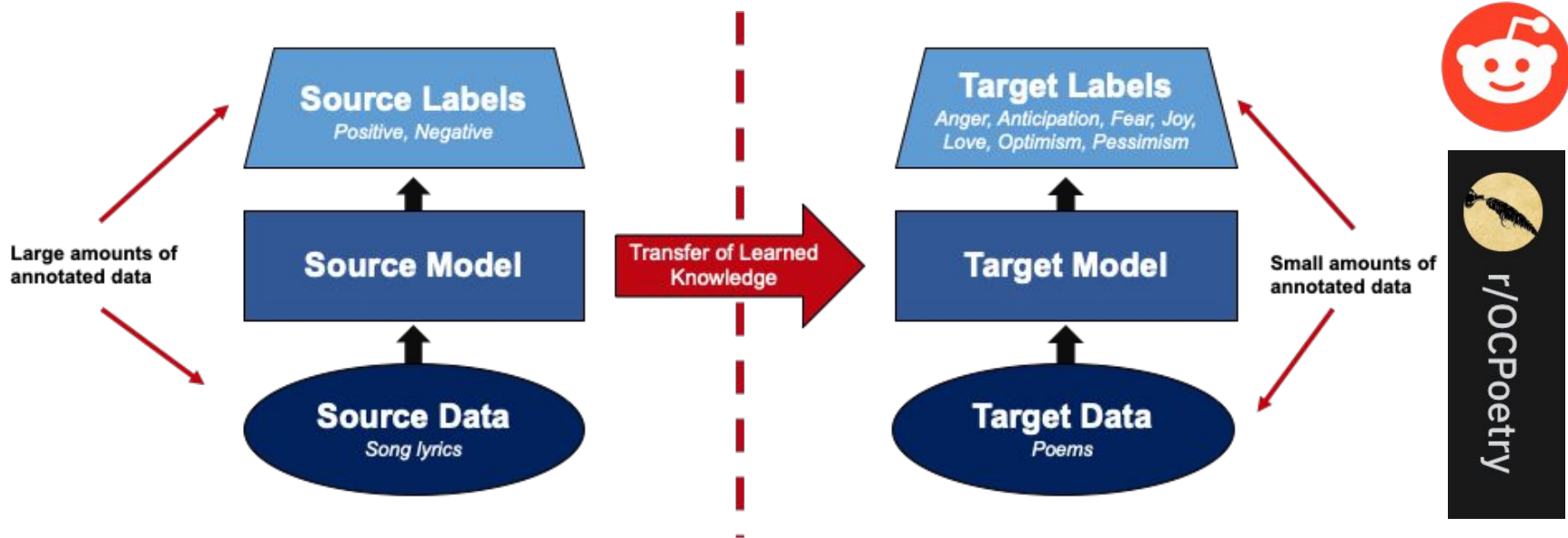
amazon mechanical turk   r/OCPoetry

It's about time she said / But that's not how she meant it / Its about the timing / When the galaxies outside our solar system align / To form a perfect map of where we've been / Or more perfectly where we could be / But I can only see so far / And you can only drift so close / So you orbit me like the stars / Always out of reach

Which TWO emotions does this poem invoke? (Please only select two.)

☐ Anticipation ☐ Anger ☐ Fear ☐ Optimism ☐ Joy ✔ Love ✔ Pessimism ☐ Sadness

Transfer learning repurposes a model trained on a separate task to enhance performance

Multi-Label Emotion Classification in English Poetry using Song Lyrics and a **Dual Attention Transfer Mechanism**

Baseline Accuracy: 40.4%

DATN Accuracy: 30.3%