# Keeping Children Safe Online, A Dive into Social Media Post Analysis

Applied Machine Learning Days 2020
François Helg - 28.01.2020

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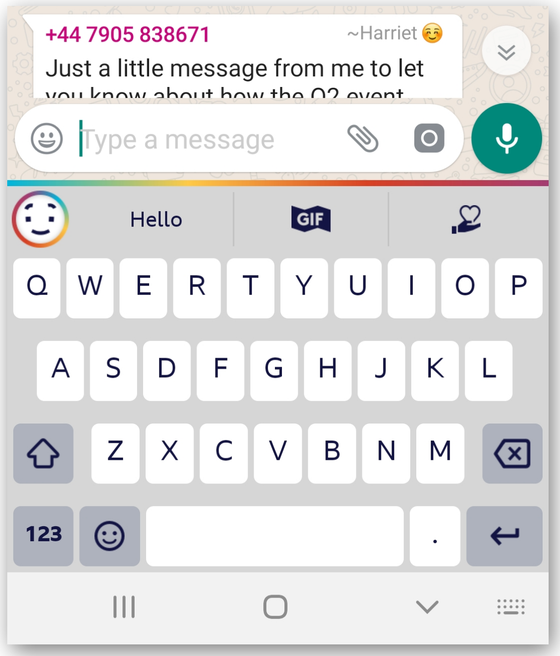
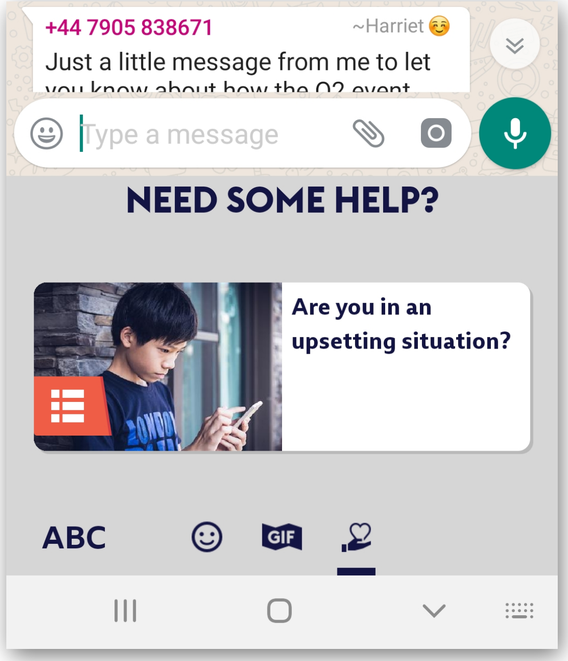
# The Use Case




Provide instant feed-back within a keyboard

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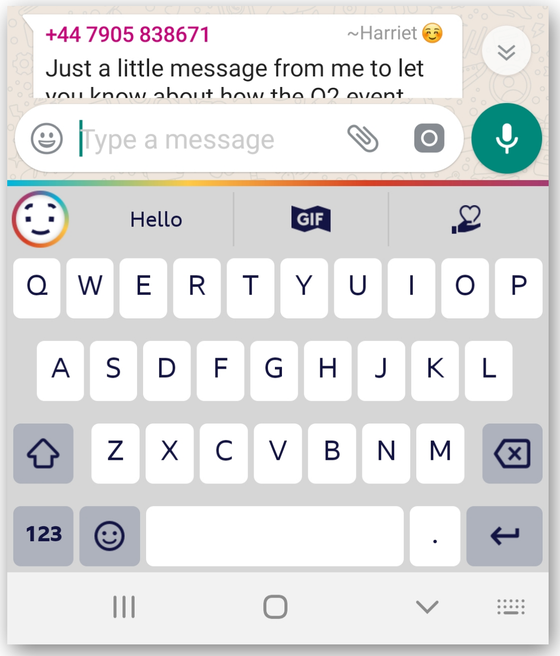
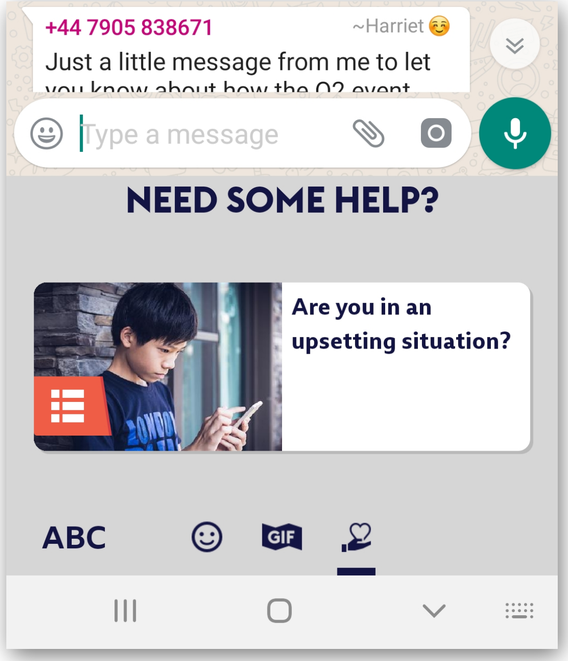
# The Use Case




Spot Hate + Toxicity + Emotion on Texts

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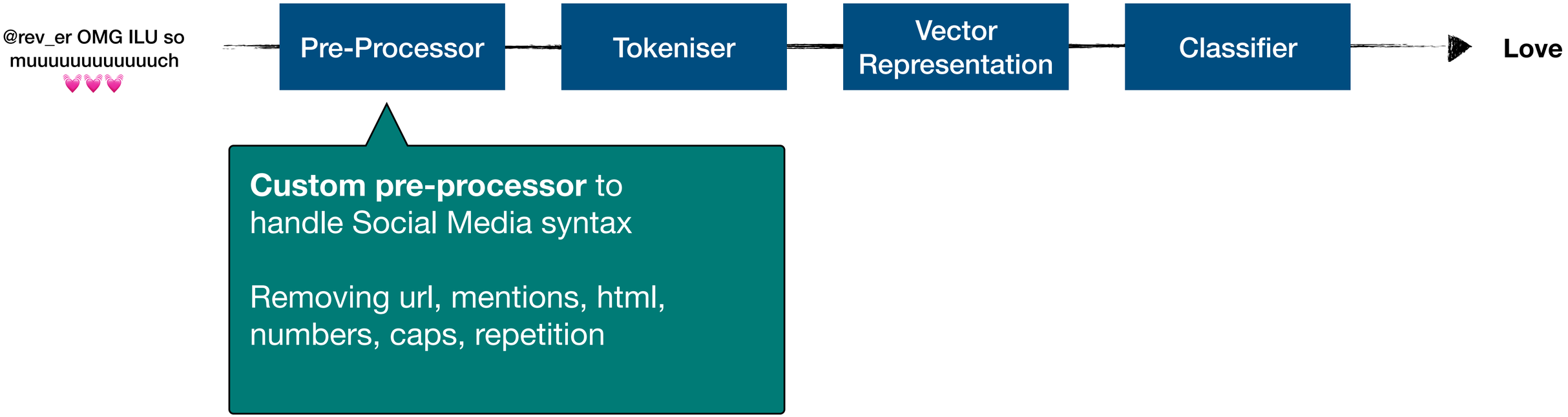
# The Challenge

@rev_er OMG ILU so muuuuuuuuuuuuuch 💓💓💓

How to analyse that! 😐🤯🤔

# Customised language resources for social media content

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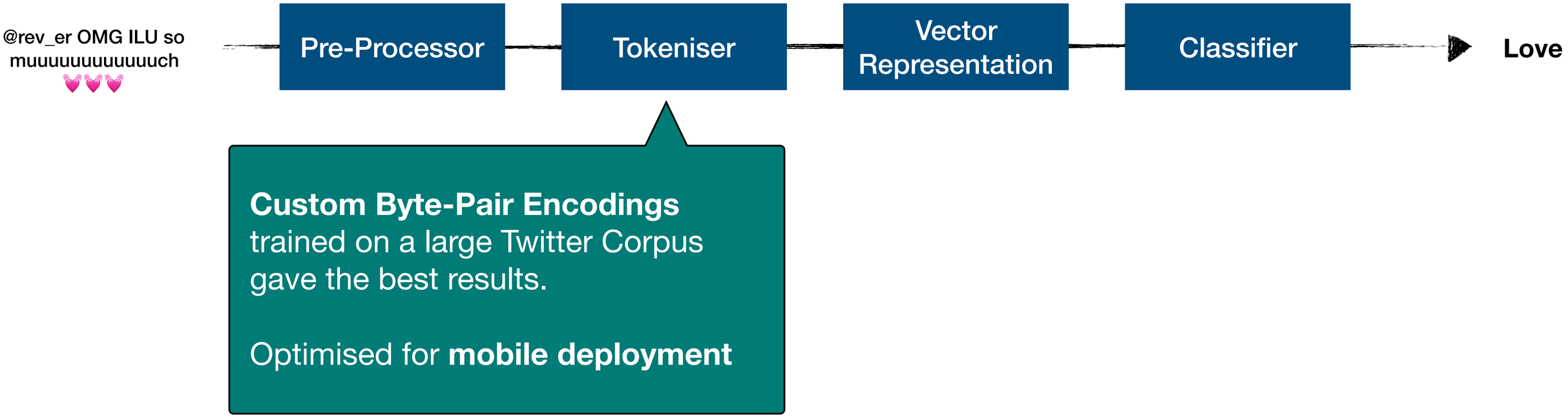
# Customised language resources for social media content

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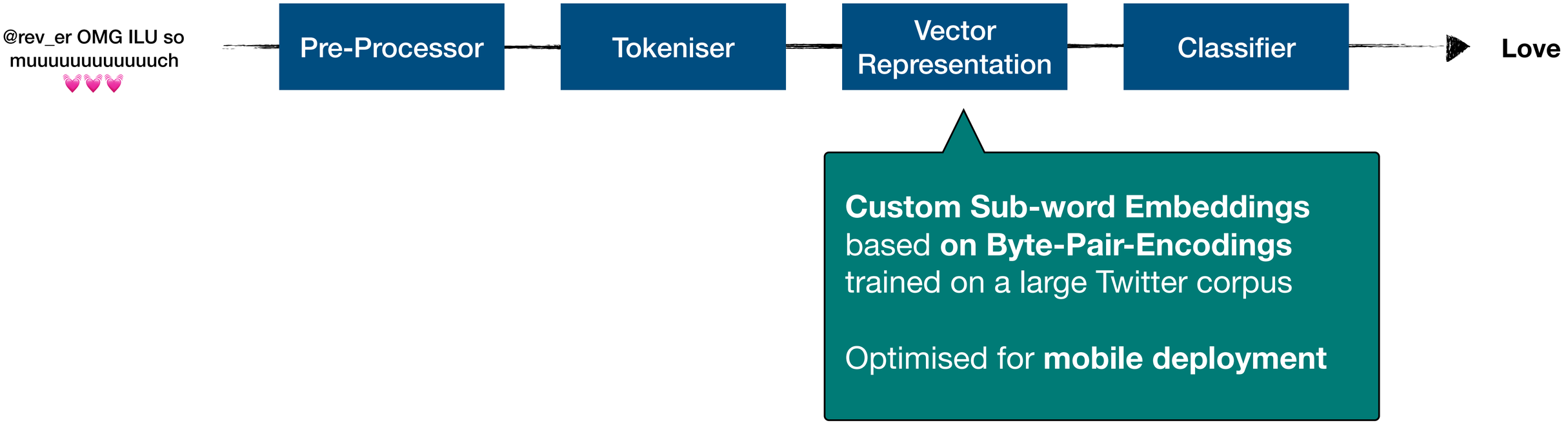


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# Customised language resources for social media content


**Ensembling of DPCNN** models gave the best results (*and were compatible with TF Lite*)

**Distant Supervision** strategy for data acquisition

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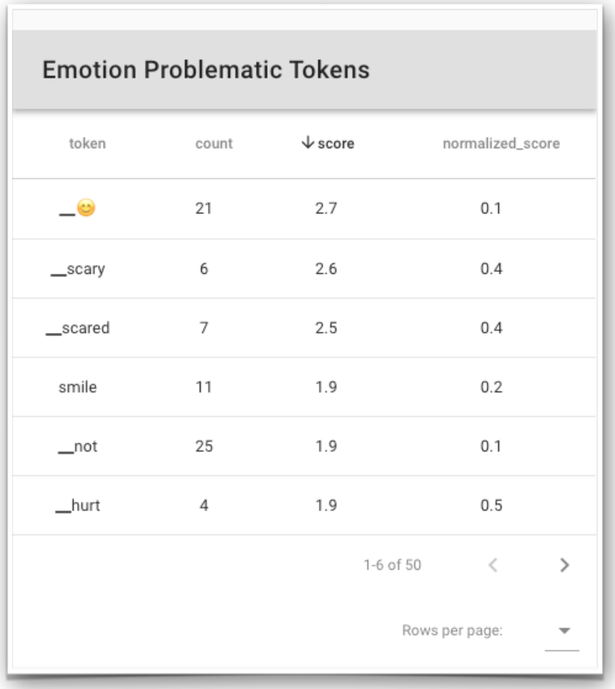
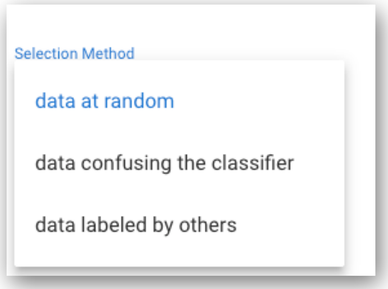
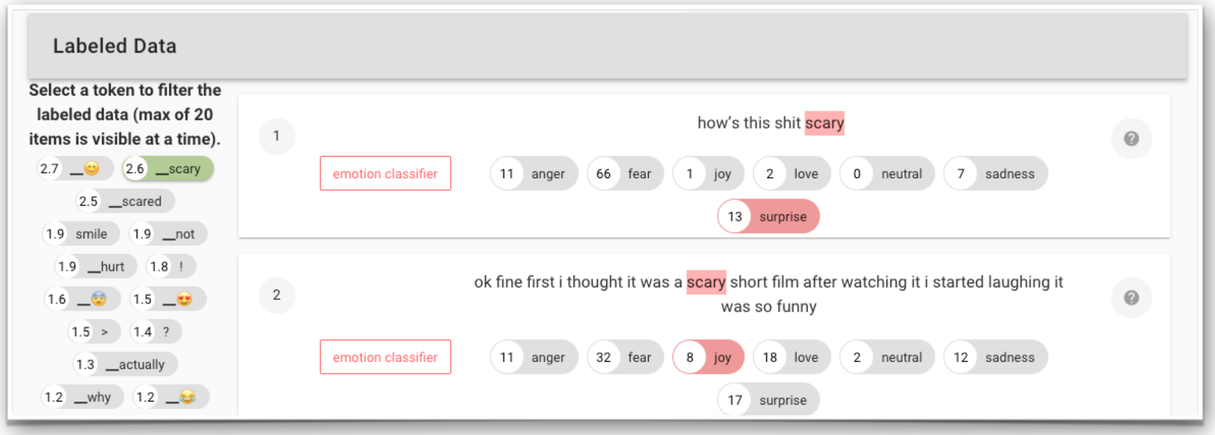
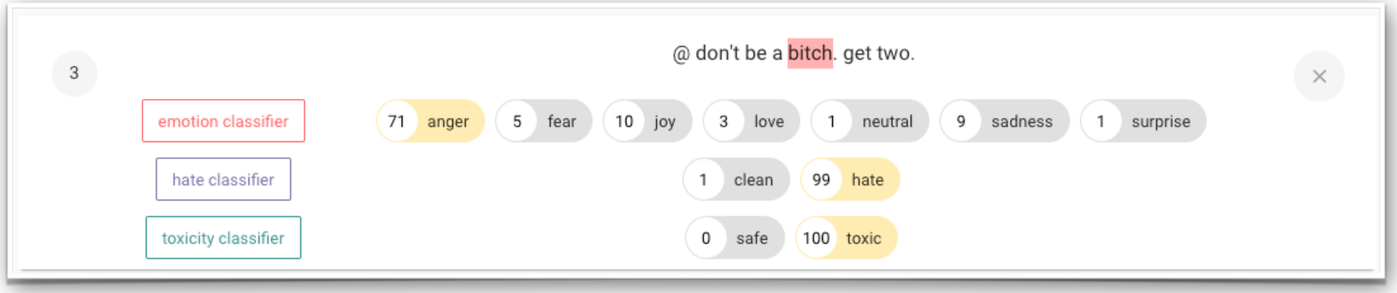
# AI-Driven Data Labeling

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# Interested to learn more ?


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