

Why is emoji prediction difficult?

TAR project

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This song is lit!

This song is lit! 🔥

This song is lit! 🔥

And to all, a Merry Christmas!

This song is lit! 🔥

And to all, a Merry Christmas! 🎄

This song is lit! 🔥

And to all, a Merry Christmas! 🎄

I need new friends...

This song is lit! 🔥

And to all, a Merry Christmas! 🎄

I need new friends... 😞

This song is lit! 🔥

And to all, a Merry Christmas! 🎄

I need new friends... 😞😭

This song is lit! 🔥

And to all, a Merry Christmas! 🎄

I need new friends... 😞😭

I'm so happy to have you

This song is lit! 🔥

And to all, a Merry Christmas! 🎄

I need new friends... 😞😭

I'm so happy to have you ❤️💖💙💜😍

- 10 million tweets collected
- only tweets with single emoji kept
- final data: 200 000 tweets ($20 \times 10\,000$)
- train: 120 000, validation: 40 000, test: 40 000 (all balanced)
- tweet text \mapsto emoji

