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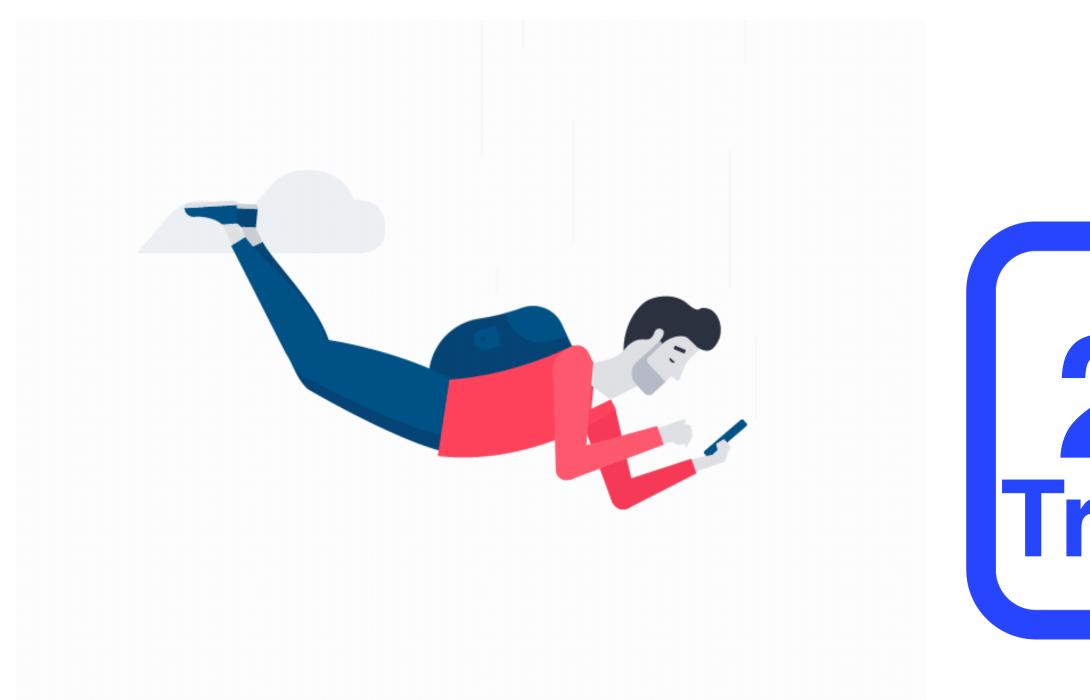
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"Emoji are the Fastest Growing Language in -The Telegraph, 2015 History"



of the population use emoji to express Source: Emogi - Emoji Report, themselves





mobile messages that incorporate emoji were sentification of the source: Emogi - Emoji Report,

2016

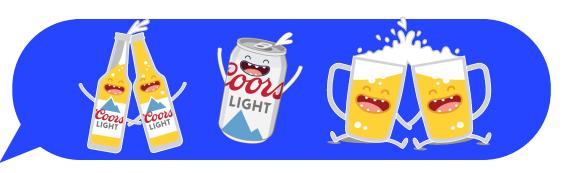


Consumers Want More Emoji - Including from Brands



75% of users want alternative emoji options

59% of users would choose branded emoji over standard emoji

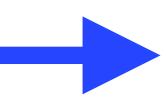


Source: Emogi - Emoji Report, 2016

Opportunity



Demand for More Content

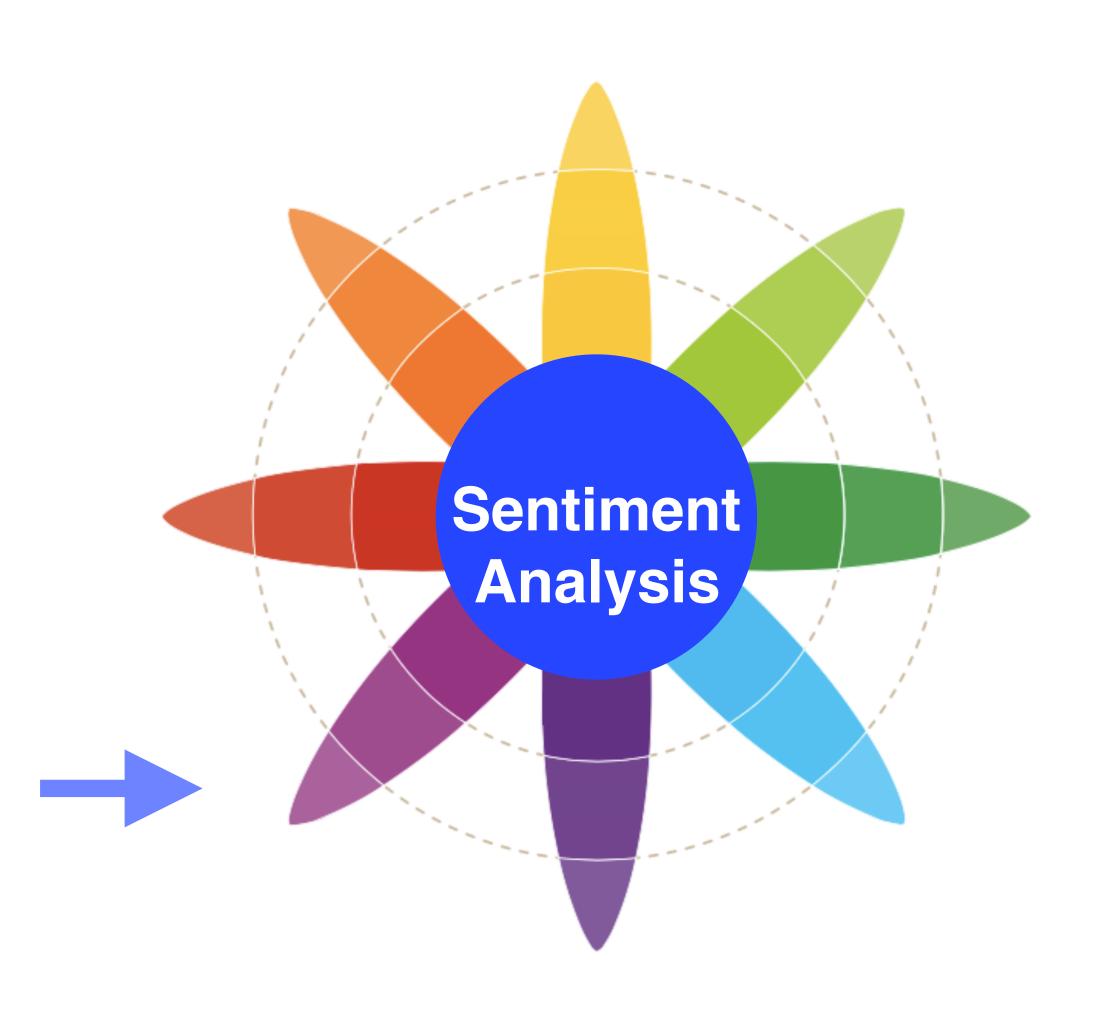




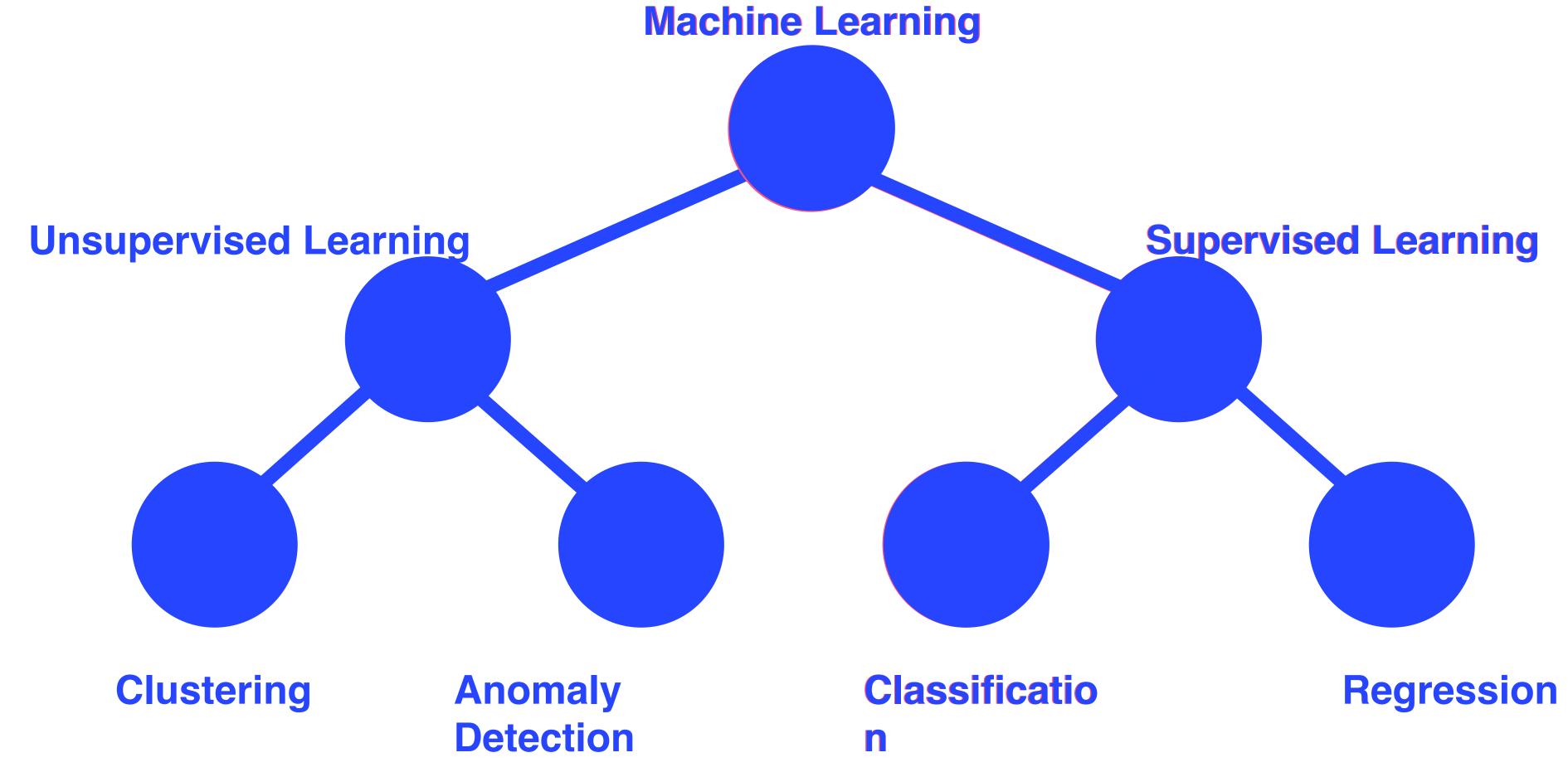
Zero App Download Environment



Development and Marketing Investments



Machine Learning 101

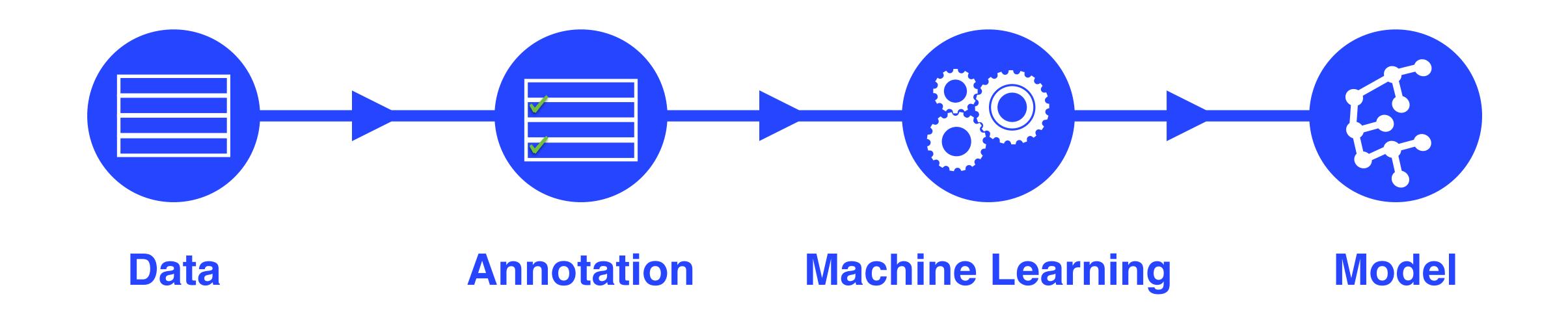


Supervised Learning

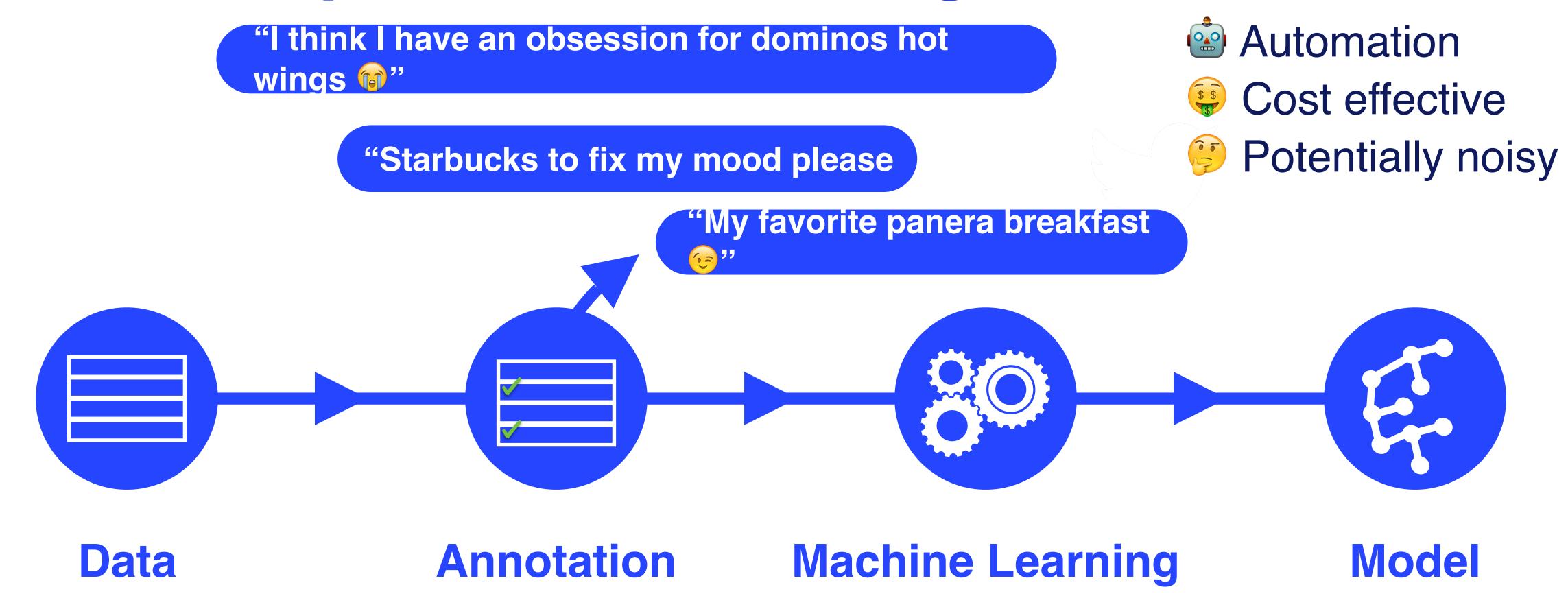
Labor intensive

Prone to human error

Costly



Distant Supervision Learning

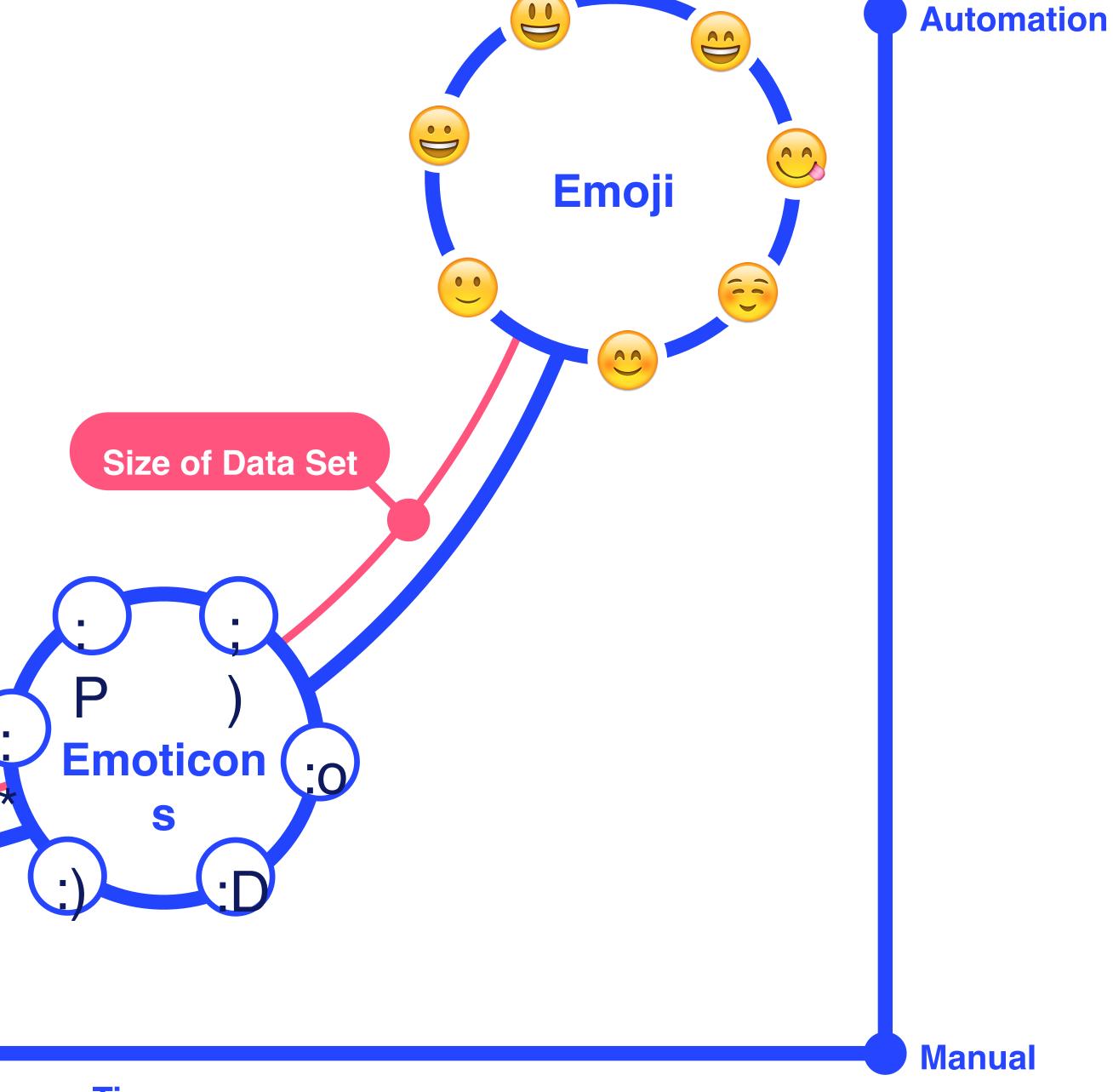


Sentiment Analysis Research and Emoji

rofl

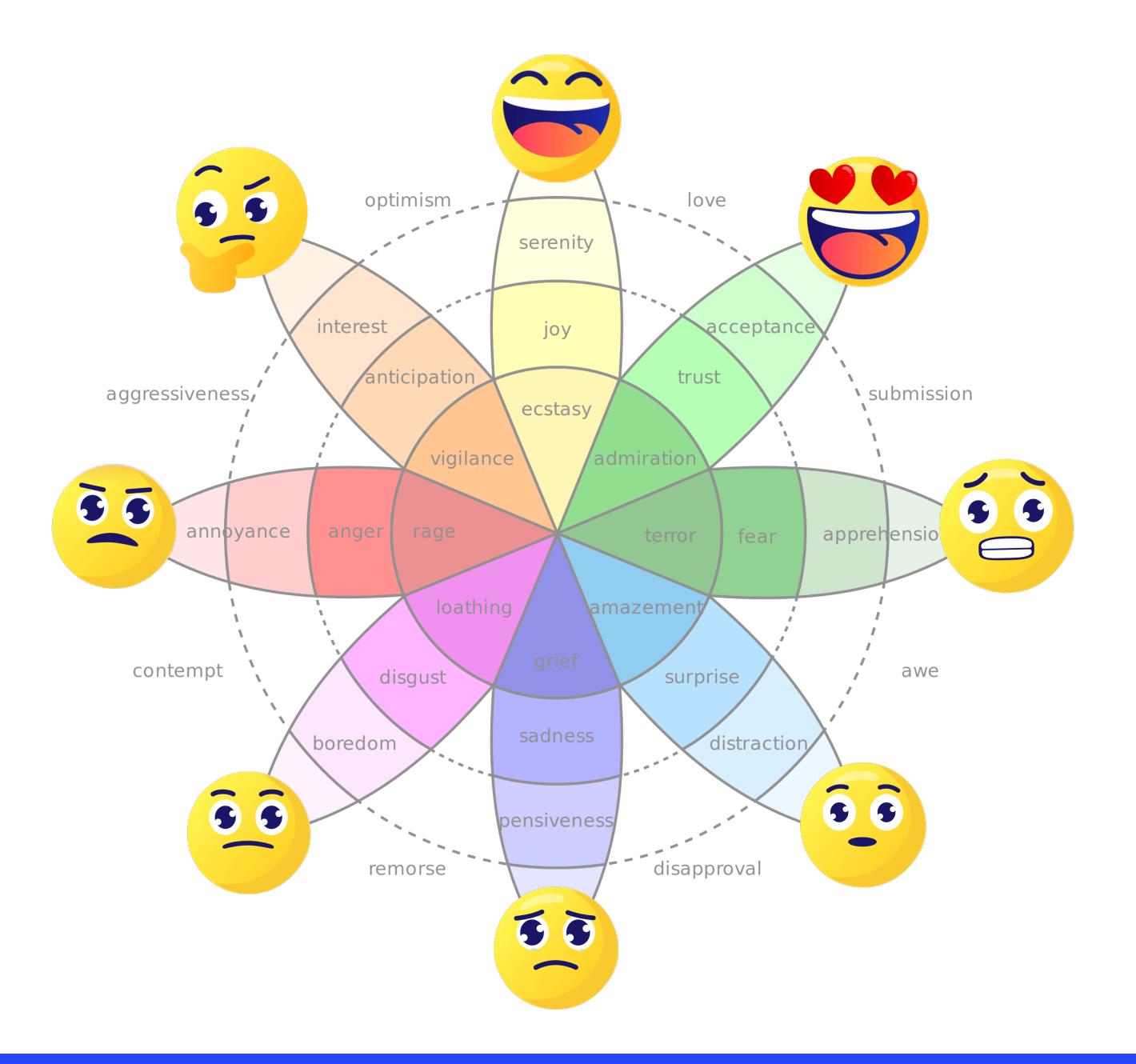
haha

Annotation

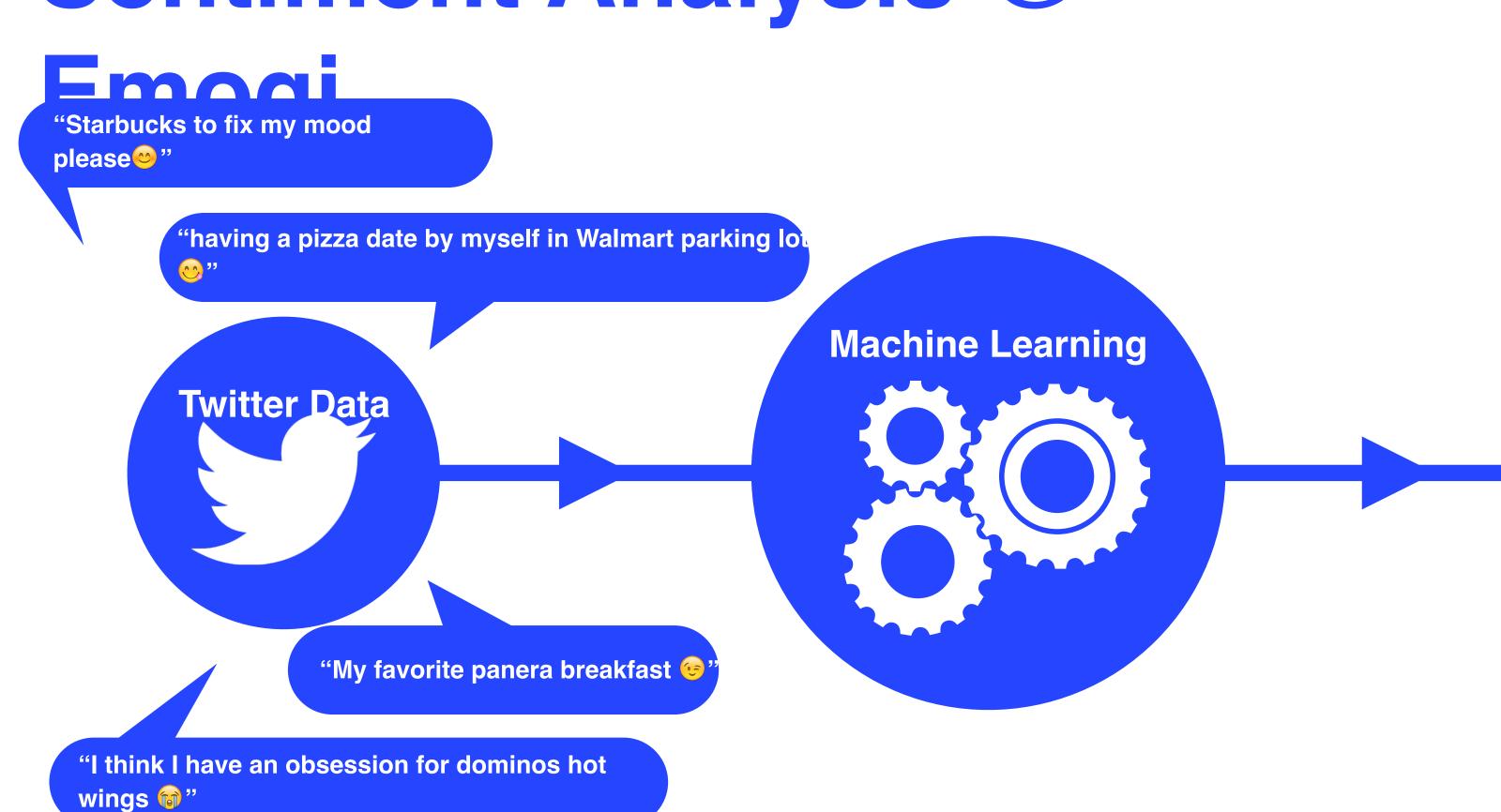


Time

Wheel of Emoji



Sentiment Analysis @



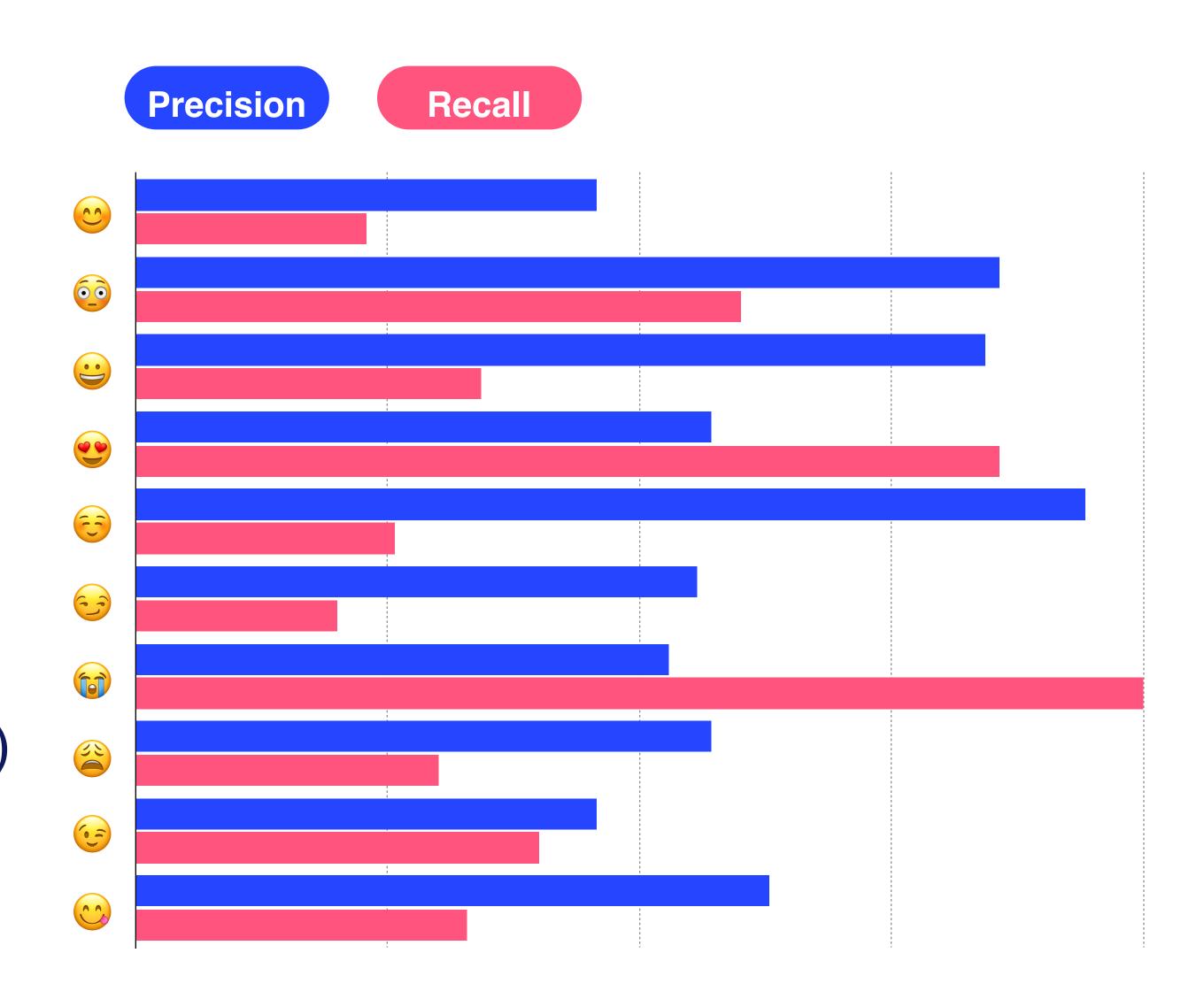


Advantages

- Wide topics
- Short text
- High emoji use
- Data volume

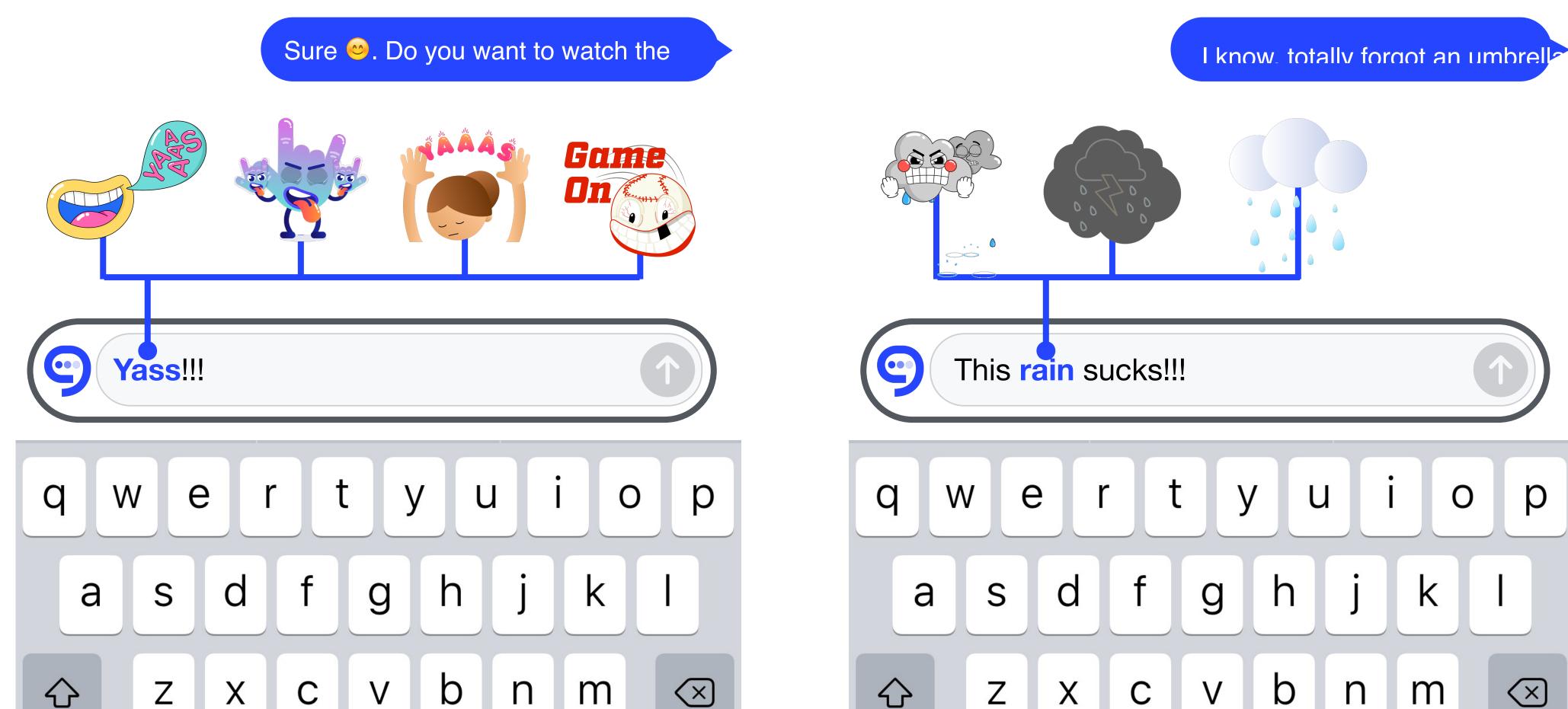
Challenges

- Contexts (social vs personal)
- Idiosyncrasy (#hashtag / @atmark)
- · Idiomatic and phrasal emoji
- Data Privacy
- Skewed distribution



Sentiment in Action

Wanna hang tonight?



My plans are

k h $\langle \times \rangle$

p

emoei





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