

# A.I. Attitudes

## Technology and Twitter through Time

Peter Ilhardt  
August 22, 2019



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Artificial intelligence will likely be viewed as the most important invention since the wheel and electricity, but its legacy is entirely up to humans, Jaden Yocom writes



**Artificial Intelligence: Threat or Useful Tool for Social Justice?**  
Artificial intelligence will most likely be viewed as the most important invention since the wheel and electricity, but its legacy is entirely up t...  
[theglobepost.com](https://theglobepost.com)



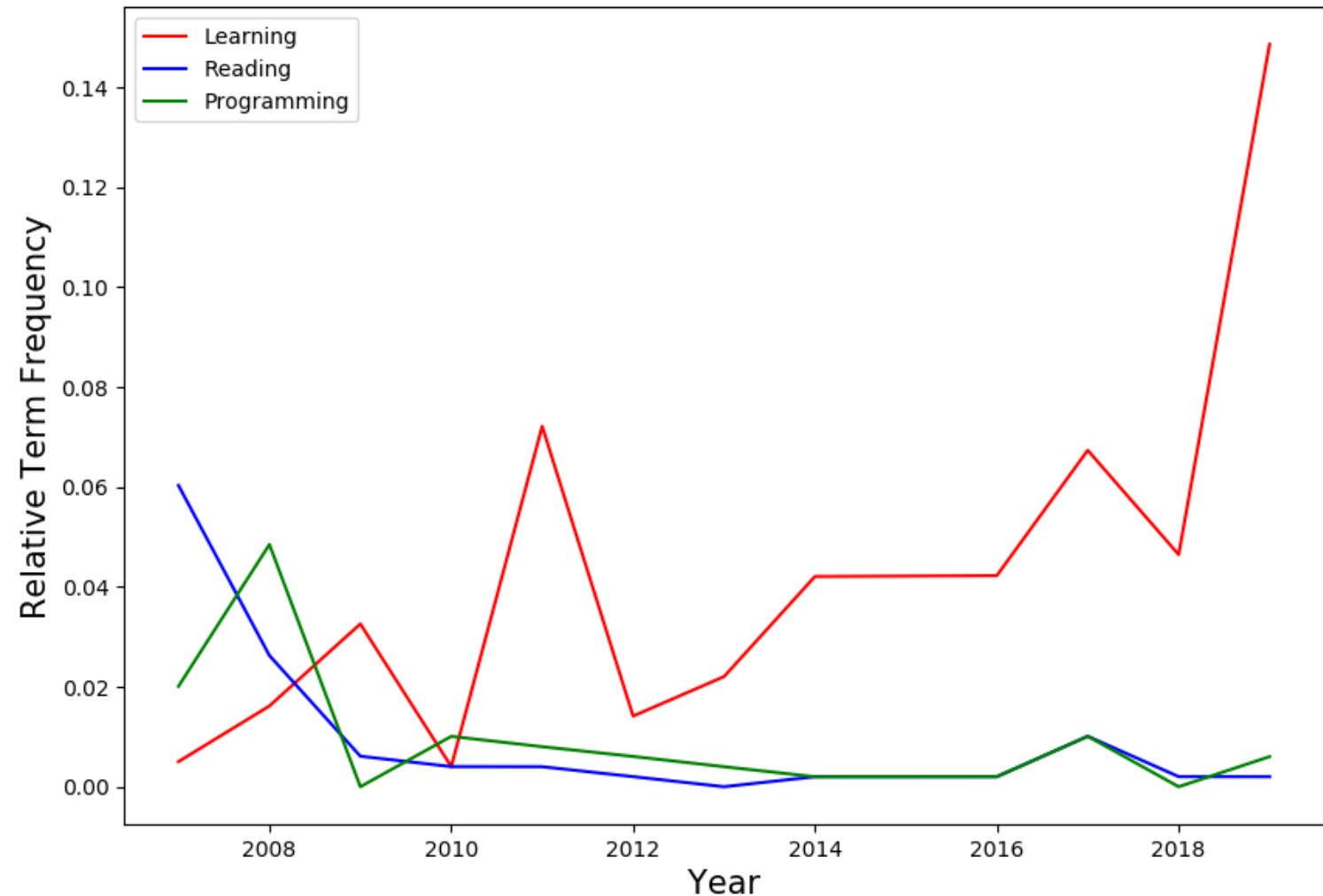
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Google's Artificial Intelligence Hate Speech Detector Is 'Racially Biased,' Study Finds via [@forbes](https://www.forbes.com)  
[buff.ly/2Z26yVA](https://buff.ly/2Z26yVA)



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# Have attitudes toward #AI changed over time? What do Twitter users associate with “A.I.”?



# Probing the Twitterverse

- Collected ~30,000 tweets since 2007 using 'Artificial Intelligence' keywords as well as '#AI' and '#ArtificialIntelligence'
- Applied natural language processing methods to extract topic themes
- Conducted sentiment analysis over time using Google Cloud Natural Language API



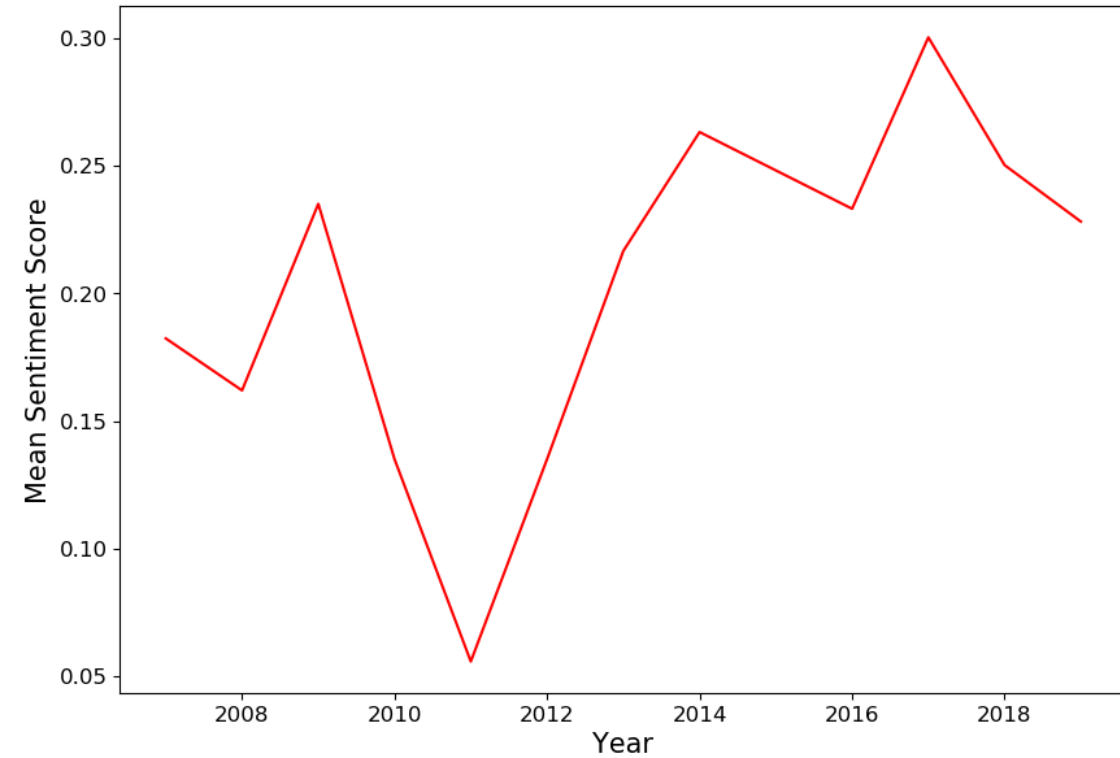
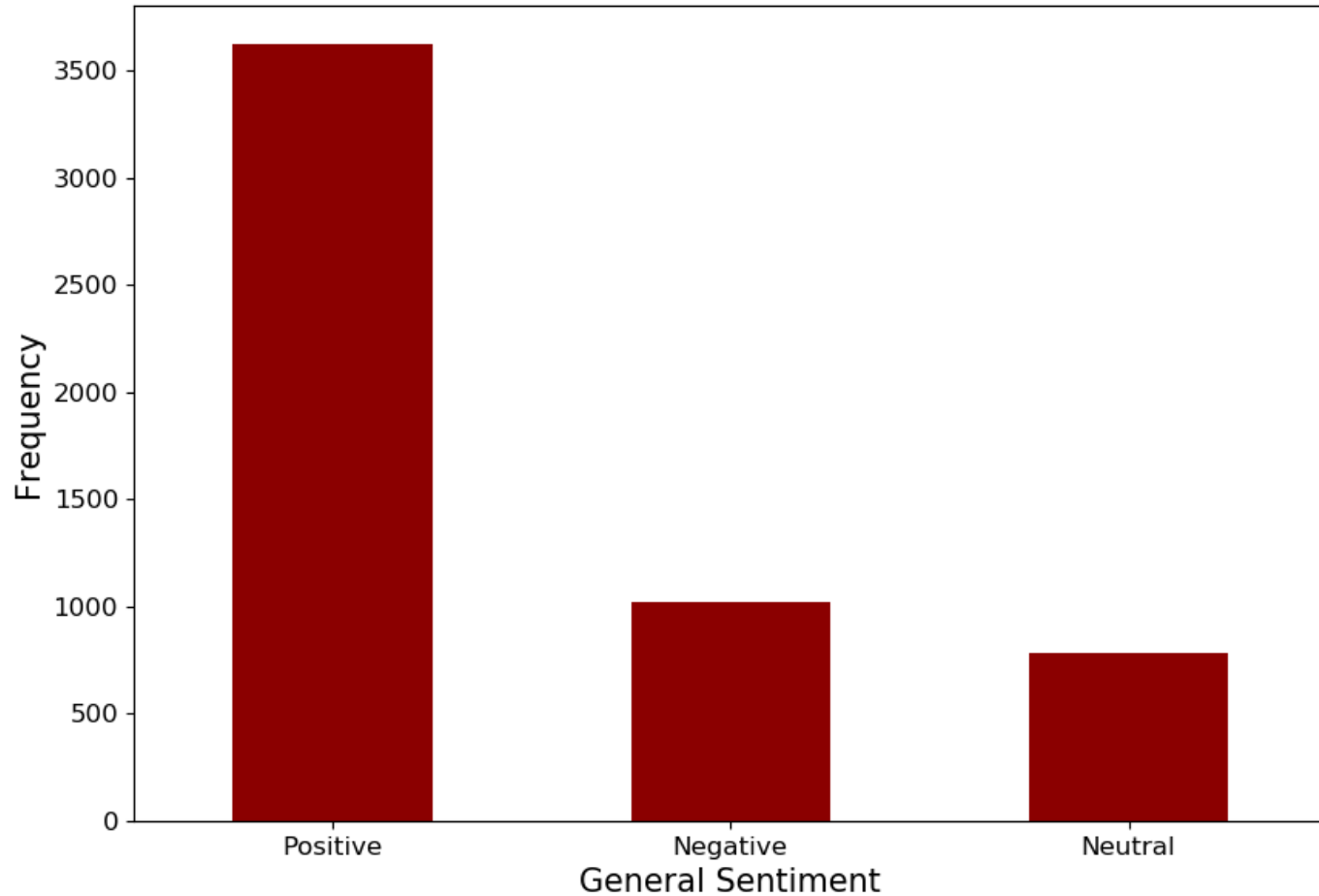
Natural Language API

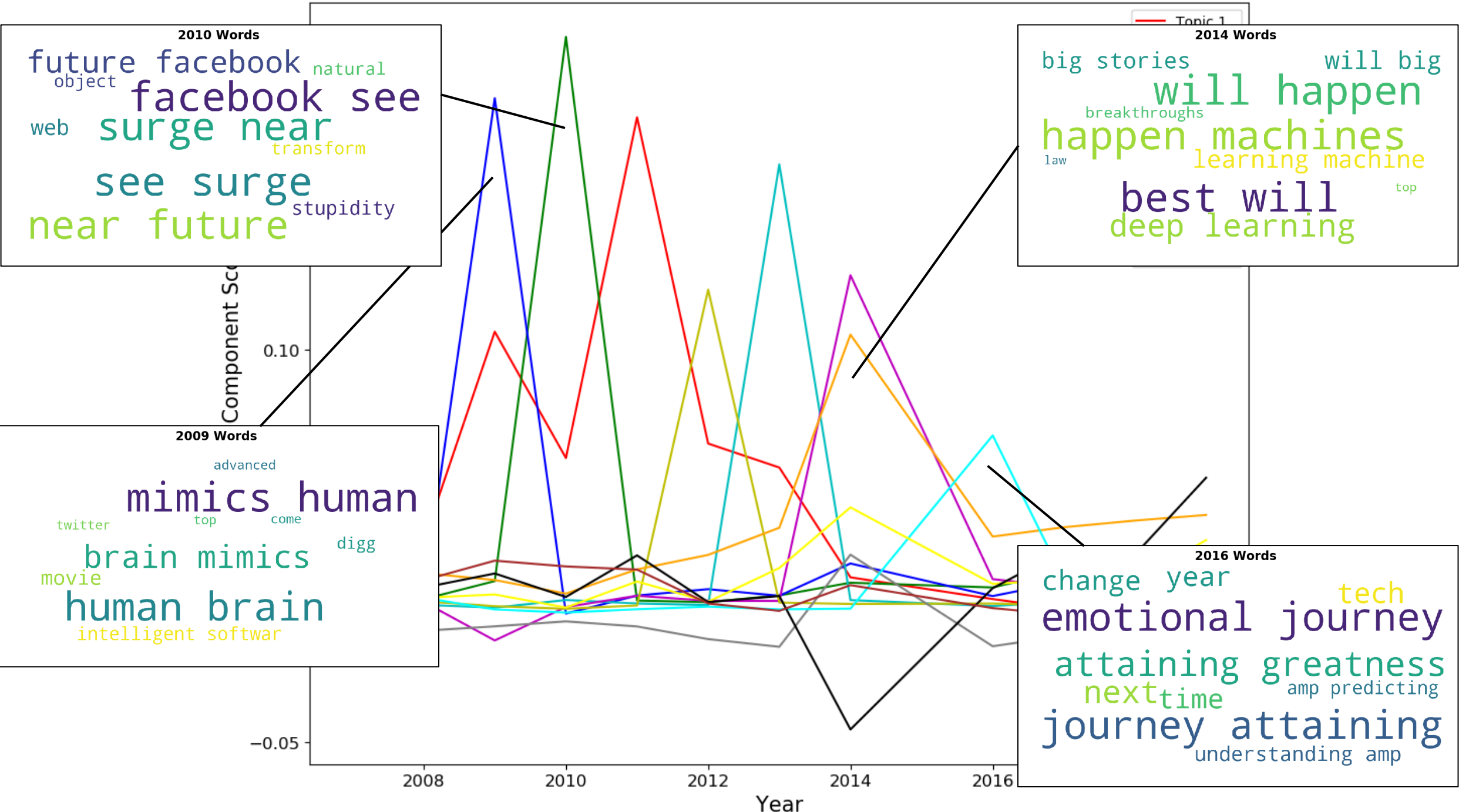
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Google Cloud Platform

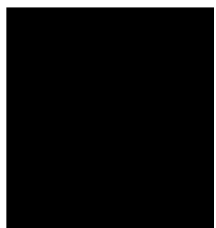
# Generally Positive Sentiment toward A.I.





# Key Insights

- While sentiment towards modern technology has remained fairly consistently positive over the past 12 years, topics associated with 'artificial intelligence' evolve year-to-year
- Public interest appears primarily driven by high-profile robotic achievements and movie releases
- 'Deep learning' and 'machine learning' have garnered significant interest and enthusiasm in the past five years that continue to grow



[Redacted Name]

· May 20



**Artificial intelligence** is no match for **natural stupidity**.



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# Appendix

AI Tweet Clusters with t-SNE

