Chat GPT API Training Cost

The cost to train the chat GPT API to give more well-rounded and beneficial responses to users is as follows:

Total Cost = (Input Cost) + (Output Cost) + (Training Cost)

Training Cost = (Tokens in training file/1000) * 0.008 * (epochs trained)

Input Cost Per User Per Day = ((tokens per message)/1000) * (messages per day) * 0.012

Output Cost Per User Per Day = ((tokens per response)/1000) * (messages per day) * 0.016

Tokens per message = 22.9875 (Walsh & Brinker, 2016)

Messages per day = 0.957143 (Tam, Wu, Li, & Qiao, 2022)

Tokens per response = 100 (hard-coded response length limit)

So,

Input Cost Per User Per Day = $0.000264028

Output Cost Per User Per Day = $0.00153143

Total Cost = $0.00179546 * users * days + (Training Cost)

Bibliography

Tam, C. C., Wu, D., Li, X., & Qiao, S. (2022). Artificial Intelligence (AI)-based Chatbots in Promoting Health Behavioral Changes: A Systematic Review. *medRxiv*.

Walsh, E., & Brinker, J. K. (2016). Short and Sweet? Length and Informative Content of Open-Ended Responses Using Sms as a Research Mode. *Journal of Computer-Mediated Communication*, 87-100.