**the analysis on 100 of Elon's tweets.**

❓ ***What do you notice about the difference in the results?***

With only two categories to choose from, the distilbert model 'forces' neutral examples into negative or positive. Looks as it it does so by 'sticking' to certain words and taking the sentimient of the sentence from them. If there were many such neutral cases, the results are not reliable.

The bertweet seems more robust, which is expected as it is a more specific model and is used in its original configuration (distilbert is a 'lighter' version).

❓ ***Do the results for the `bertweet-base` model look better, or worse, than the results for the `distilbert-base` model? Why?***

They look better. Bertweet recognizes neutral sentiment and should be therefore more accurate at recognizing positive and negative sentiment in phrases when compared with ditilbert-type models.

**Partner Exercise**

**❓ How did you do? Did you find any surprising results?**

Yes, I found a couple of surprising results, especially from distilbert. It looks as it latches to key words to decide the sentiment of a phrase but lacks a more complete understanding of meaning. As in the case of meth. I an not sure how it got a positive prediction value for Bitcoin sentence.

**❓ Are there any instances where the two models gave different predictions for the same tweet?**

Yes, in the sentence about meth abuse in the writer's room. The distilbert model probably weighted heavily the combination of 'record' and 'most' and gave the sentence a positive sentiment prediction. The bertweet model seems capable of recognizing the meaning of the sentence, and thus predicted a negative sentiment.