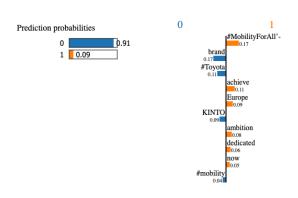
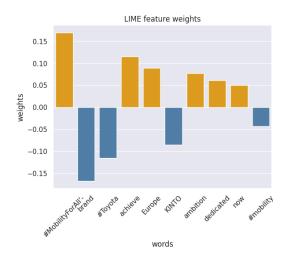
### LIME and SHAP plots of select BERT classifications

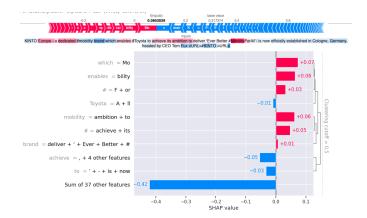
Note to reader: below you'll find 21 LIME & SHAP plots with decisions (0 = non-political, 1 = political) including human annotated ground truth. The sampling method here was selective: we chose 21 representative tweets manually out of 321 to illustrate key patterns that may appear when conducting a joint LIME and SHAP analysis.

#### Tweet 0, non-political, ground-truth = non-political

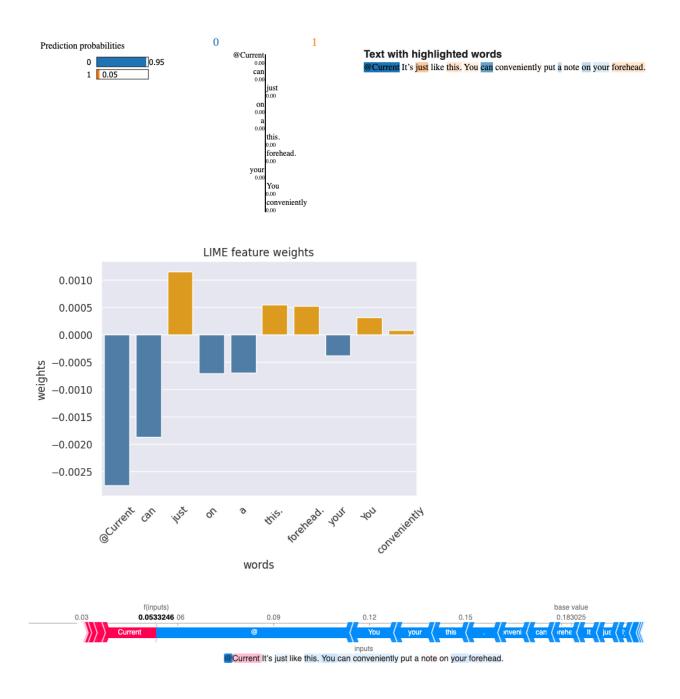


# Text with highlighted words KINTO Europe - a dedicated #mobility brand which enables #Toyota to achieve its ambition to deliver 'Ever Better #MobilityForAll'- is now officially established in Cologne, Germany, headed by CEO Tom Fux IURL#KINTO IURLI

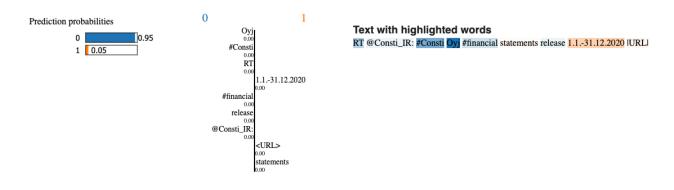


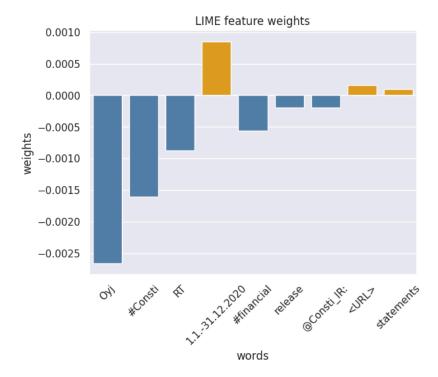


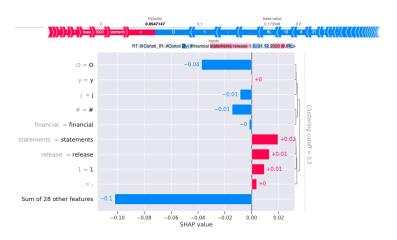
# Tweet 1, non-political, ground truth = political



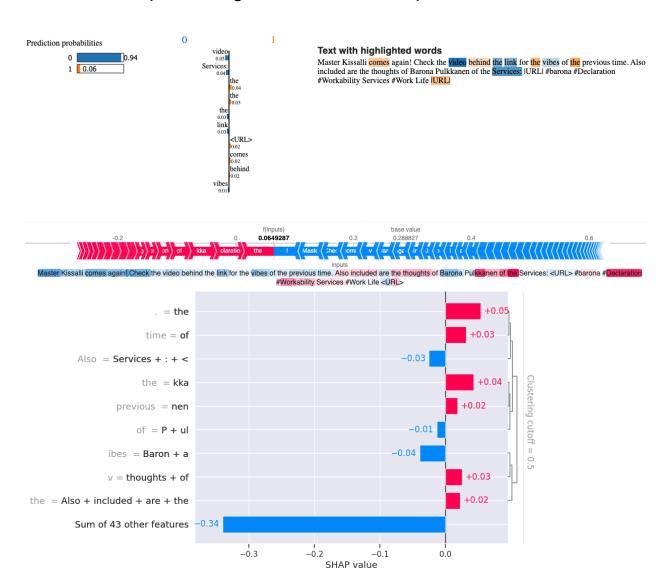
### Tweet 2, non-political, ground-truth = non-political



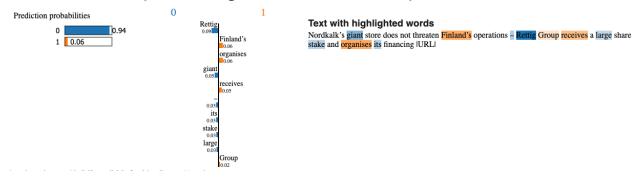


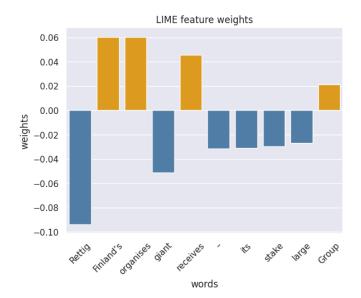


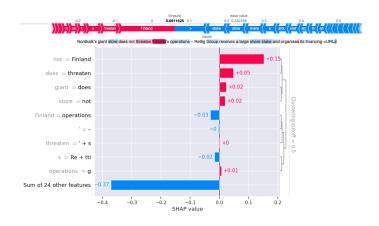
#### Tweet 3, non-political, ground-truth = non-political



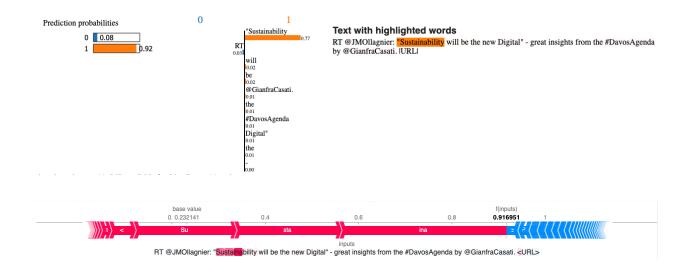
### Tweet 4, non-political, ground truth = non-political



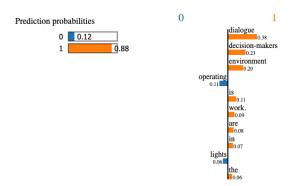




# Tweet 5, political, ground-truth = political

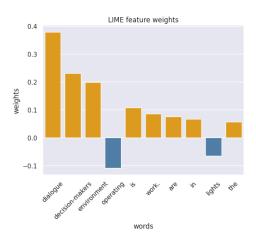


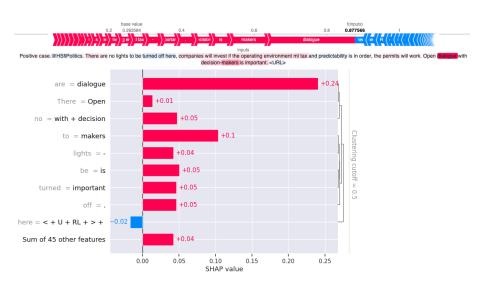
### Tweet 6, political, ground-truth = political



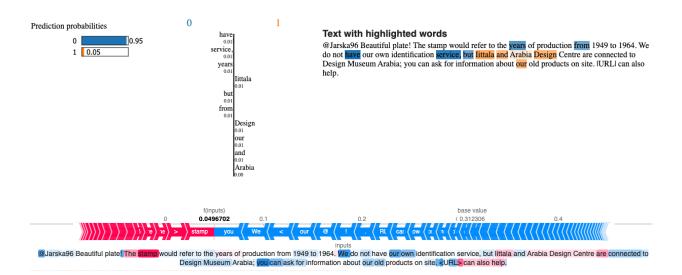
#### Text with highlighted words

Positive case.@HSfiPolitics. There are no lights to be turned off here, companies will invest if the operating environment ml tax and predictability is in order, the permits will work. Open dialogue with decision-makers is important. IURLI

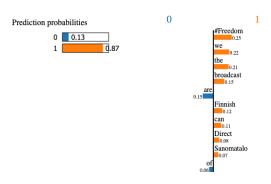




### Tweet #7, non-political, ground-truth = non-political

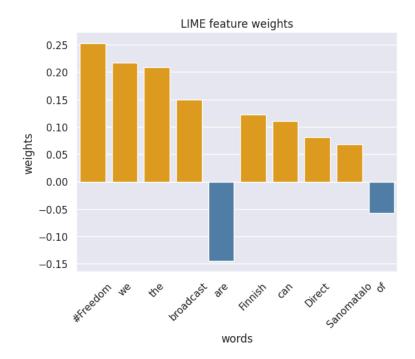


## Tweet 16, political, ground-truth = political



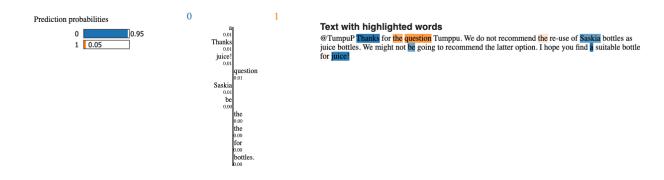
#### Text with highlighted words

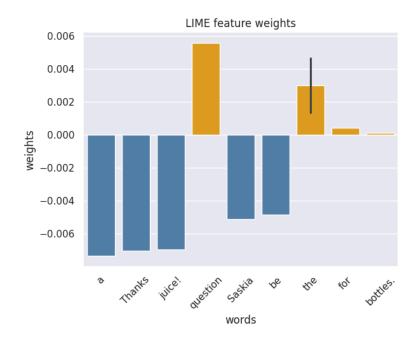
Happy Freedom of speech! Today we are celebrating Finnish journalism and high-quality communication when the winners of the Grand Journalist Prize are announced. Direct gala broadcast from the Sanomatalo can be followed by @ Entertainment4 and @Ruutufi from 19:00. Freedom of speech #sjp2021 @sjptwit lURLI





# Tweet 13, Non-political – customer service, ground-truth = non-political



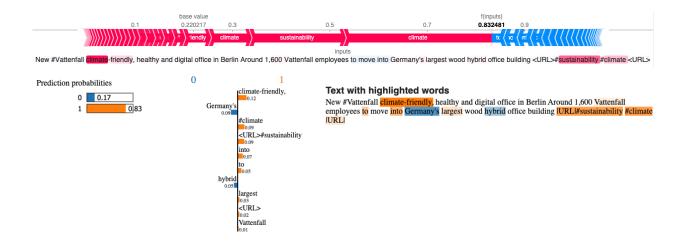




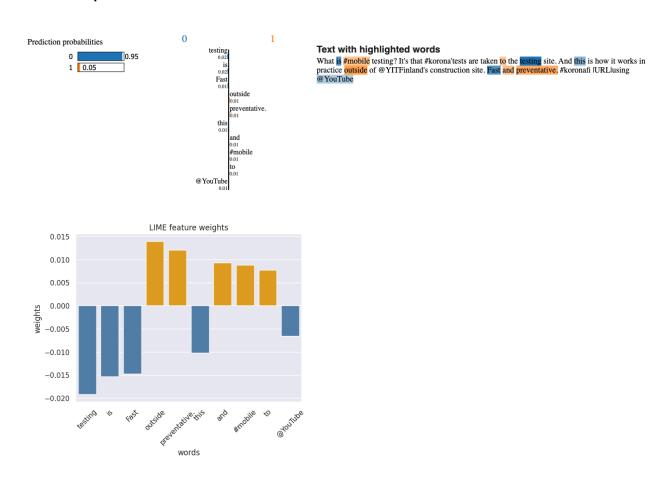
inputs

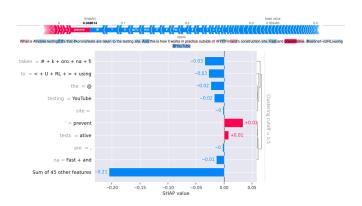
TumpuP Thanks for the question Tumppu. We do not recommend the re-use of Saskia bottles as juice bottles. We might not be going to recommend the latter option. I hope you find a suitable bottle for juice!

# Tweet 27 – political, ground truth = political

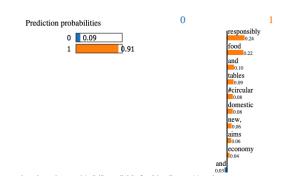


# Tweet 51 – disagreement, human labeled it has political, classifier as non-political



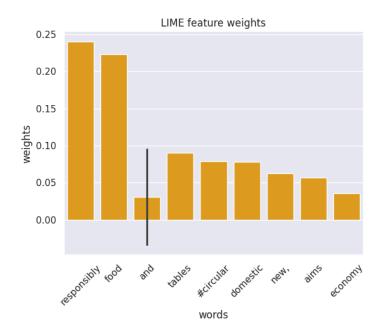


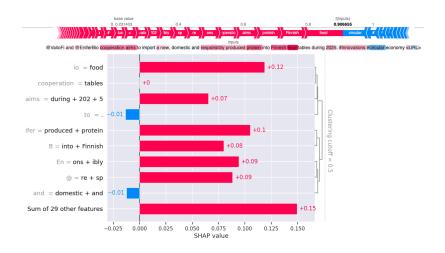
### Tweet 52 - political, agreement



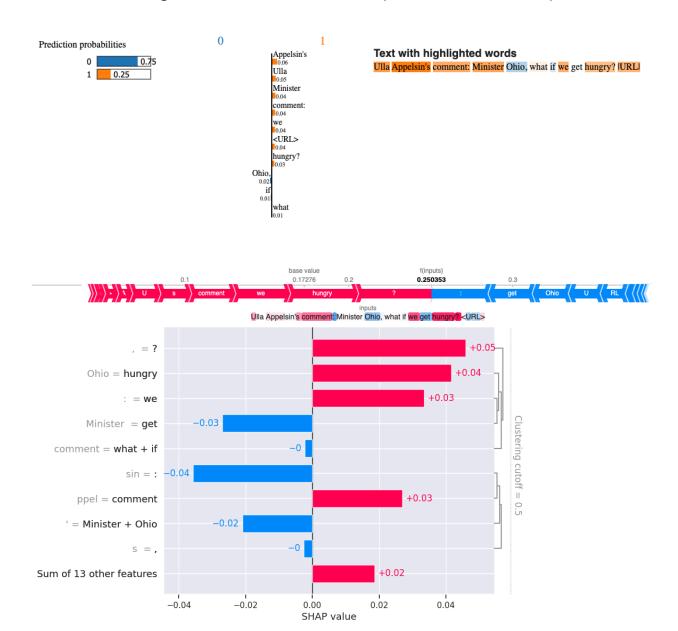
#### Text with highlighted words

@ValioFi and @EniferBio cooperation aims to import a new, domestic and responsibly produced protein into Finnish food tables during 2025. #innovations #circular economy lURL

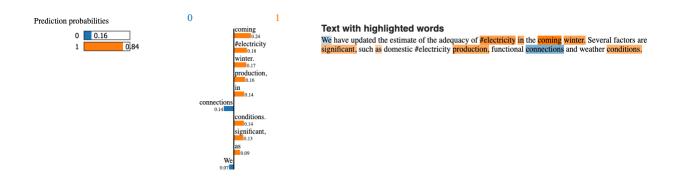


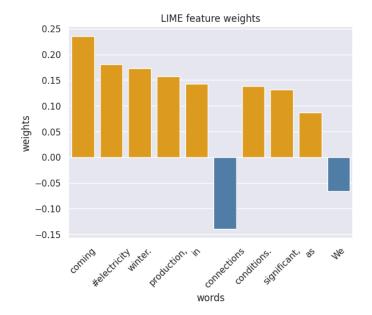


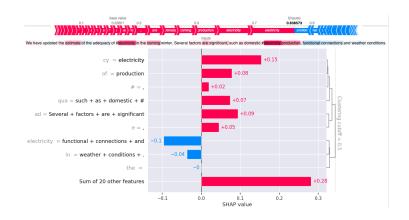
#### Tweet 57 disagreement, human label political classifier political



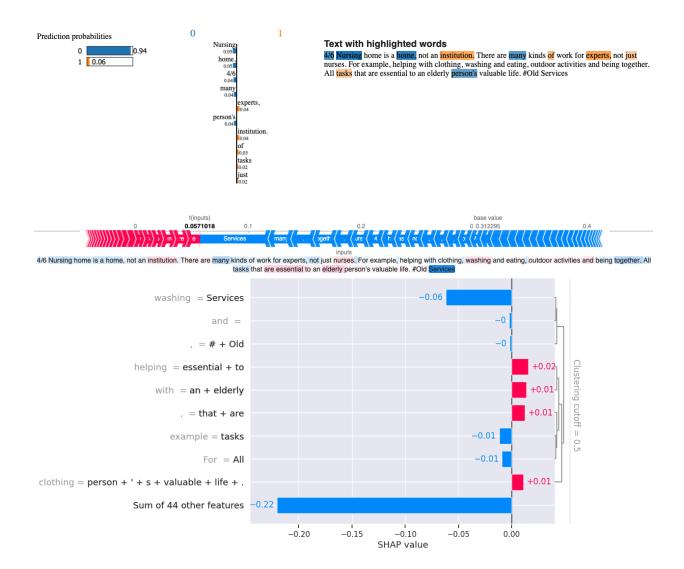
# Tweet 73 disagreement, ground-truth = non-pol, classifier = pol



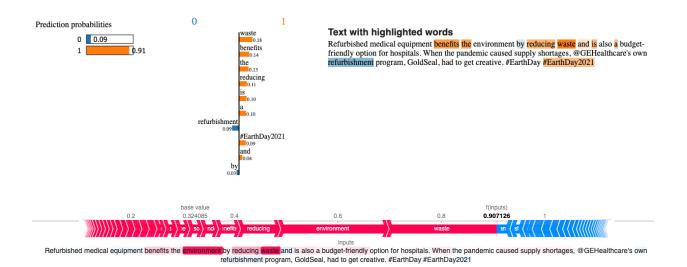




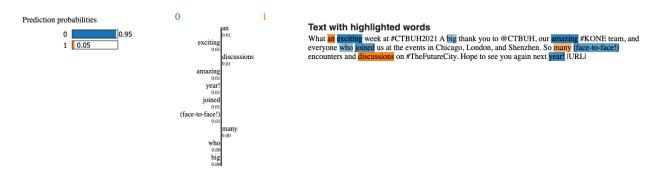
#### Tweet 78 disagreement, ground-truth = pol, classifier = non-pol

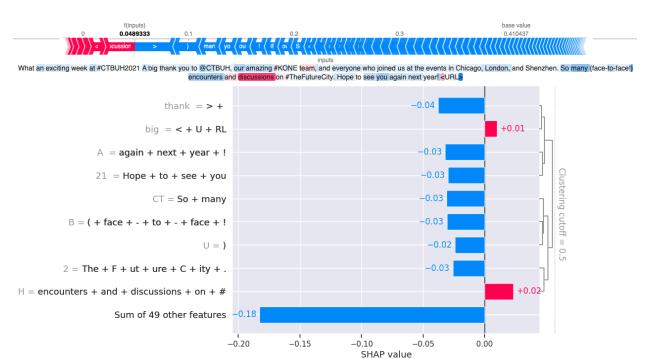


# Tweet 101 political agreement, ground-truth = pol

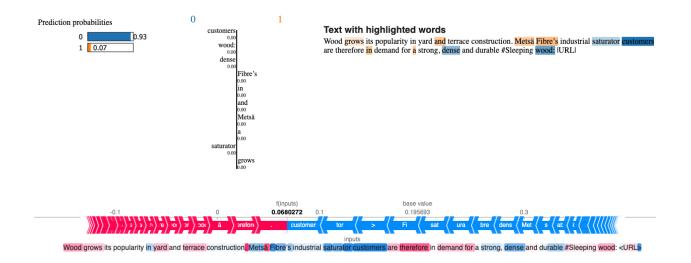


# Tweet 110 disagreement, ground-truth = political, classifier = non-pol

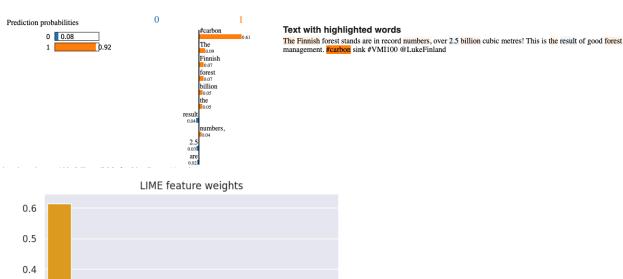


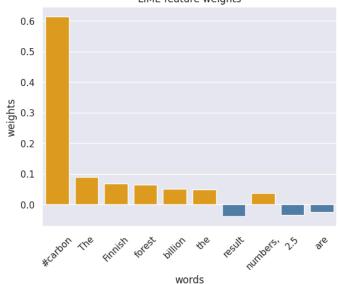


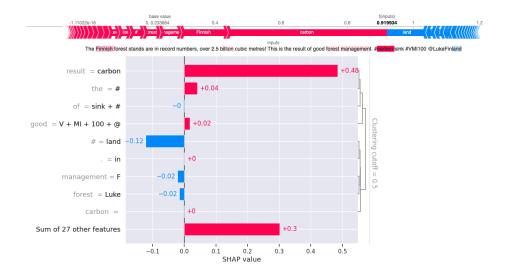
# Tweet 126, disagreement, ground-truth = pol,l classifier non-pol



# Tweet 142, political, ground truth = political







# Tweet 156, ground-truth = political, classifier = non-political

