1. **List out the datasets that are mentioned in the paper.**
   ISOT, FA-KES, LIAR, Twitter, Sina Weibo micro blogs, CREDBANK, PHEME, FakeNewsNet, Emergent, FEVER, SemEval-19, RumourEval-2019

2. **What are the techniques used so far for detecting fake news. You can mention the models and architectures used so far detecting fake news in the form.**
   k-nearest neighbor classifiers for handling fact-checking as a classification task. No feature engineering techniques were applied to classify events using several baseline algorithms such as Decision Trees. CSI hybrid deep learning model. LSTM RNN. SVM, LR, Naive Bayes, CNN and RNN. Stance Classification.

3. **What is the difference between fake news and rumours? Explain with examples. Do authors work with rumours??**
   Fake news is an umbrella term that encompasses misinformation, disinformation and rumours, which are different variations of false information. For example, the stock market crash due to the fake report of President Barack Obama being injured in an explosion. Rumours specifically refer to false information that is deliberately constructed to seem true where the facts that are reported are presented as genuine although they are false or inaccurate. For example, unverified information circulating in social media. Yes, the authors did work with rumours. The evaluation experiments are performed on two public datasets, namely FA-KES and ISOT, that have an equal distribution of real and fake news.

4. **Which dataset is the comparison base for the authors in detecting fake news with their hybrid model?**
   The FA-KES dataset is the comparison base.

5. **What affects the performance of the neural network? list them and explain the authors' contribution in enhancing these performance factors?**
   Parameters such as the initialization of weights and biases, the activation functions used at each layer, the optimizer and loss function. Use of publicly available pre-trained word embeddings for CNN to perform local feature extraction, an embedding matrix prepared using the pre-trained word embeddings, use of ReLU and Sigmoid Activation function, large vectors pooled by MaxPooling1D Layer to reduce the amount of parameters.