

QANTA Entanglement

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Our plan is to utilize the paraphrase database (PPDB) in order to make quizbowl guessers more sensitive to synonymous question phrases that it might otherwise be missing.

Our first step will be creating a data structure with every field from relevant lines from the PPDB containing our target phrase.

We will then be adding a feature to our questions that contains potential paraphrases for our target phrase (starting with ngrams of 1 for simplicity)

The above is our target goal for **26 April**.

Once this is achieved, we will begin our model training, testing, and analysis in earnest, exploring exactly what happens when we use existent RNN models (subject to change) with our additional feature set.

As analysis is performed, we hope to be able to expand our question sets to more realistic sizes and also expand our phrase set to include all basic question words (who what when where why).