

Report about Task 1: NLP

Report on model results:

The model successfully identifies parts of mountain names, as shown by the word "Mount" being recognized as the beginning of the "B-MOUNTAIN" entity. However, the model's confidence in this prediction was low (36.9%). More complex phrases like "Everest is the highest peak in the world, and K2 is also very famous" were classified as non-mountain entities (label "O") with 53.7% confidence. This indicates a need for improvements in context recognition.

Report on potential improvements:

To improve accuracy, more specialized NER models trained on geographic or domain-specific data could be utilized. Additionally, enhancing the quality of the training data by including more diverse examples and contexts might help increase prediction confidence. Implementing additional labels or refining the text segmentation approach (e.g., through attention layers) could also improve prediction accuracy. Finally, increasing the number of training epochs could lead to better model learning.