

John Smith went to Pittsburgh .

B-PER I-PER O O B-LOC O

The diagram illustrates the Named Entity Recognition (NER) process for the sentence "John Smith went to Pittsburgh .". Each word is mapped to a specific entity label via an arrow:

- "John" is labeled B-PER (Beginning of a Person entity).
- "Smith" is labeled I-PER (Inside of a Person entity).
- "went" is labeled O (Outside of any named entity).
- "to" is labeled O (Outside of any named entity).
- "Pittsburgh" is labeled B-LOC (Beginning of a Location entity).
- "." is labeled O (Outside of any named entity).