

Unit 6 Formative Activity: Constituency-Based Parse Trees

Below are the constituency-based parse trees for the given phrases. These parse trees follow traditional syntactic structure to represent how different parts of a sentence relate to each other hierarchically.

1. The government raised interest rates.

```
(S
  (NP (DT The) (NN government))
  (VP (VBD raised)
    (NP (NN interest) (NNS rates)))
  (. .))
```

2. The internet gives everyone a voice.

```
(S
  (NP (DT The) (NN internet))
  (VP (VBZ gives)
    (NP (NN everyone))
    (NP (DT a) (NN voice)))
  (. .))
```

3. The man saw the dog with the telescope.

```
(S
  (NP (DT The) (NN man))
  (VP (VBD saw)
    (NP
      (NP (DT the) (NN dog))
      (PP (IN with)
        (NP (DT the) (NN telescope)))))
  (. .))
```

References

References

Jurafsky, D. and Martin, J.H., 2023. Speech and Language Processing. 3rd ed. Stanford University. Available at:

<https://web.stanford.edu/~jurafsky/slp3/> [Accessed 17 Apr. 2025].

Bird, S., Klein, E. and Loper, E., 2009. Natural Language Processing with Python. 1st ed. O'Reilly Media. Available at: <https://www.nltk.org/book/> [Accessed 17 Apr. 2025].