

lingtree

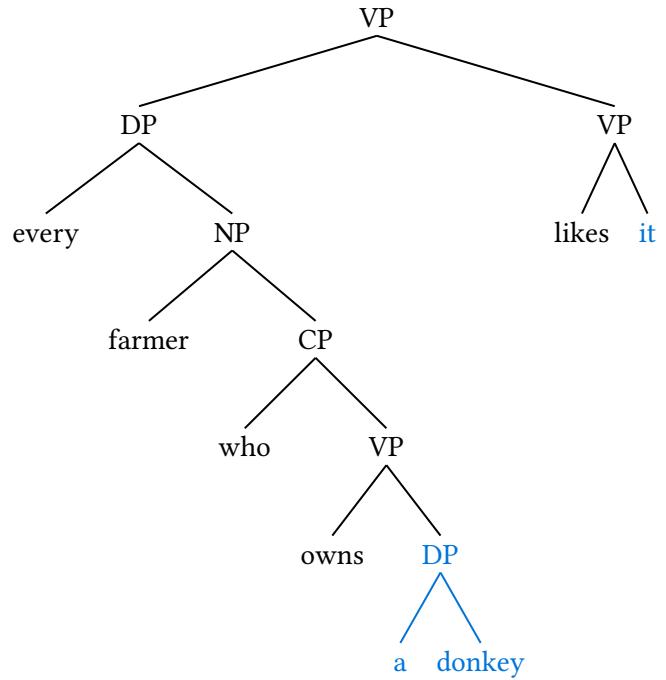
A Typst package for drawing linguistic tree.

v1.0.0

Usage

Here is a simple example:

```
#render(  
  tree(  
    tag: [VP],  
    tree(  
      tag: [DP],  
      [every],  
      tree(  
        tag: [NP],  
        [farmer],  
        tree(  
          tag: [CP],  
          [who],  
          tree(  
            tag: [VP],  
            [owns],  
            tree(  
              tag: [DP],  
              [a], [donkey],  
              defaults: (color: blue),  
            )  
          )  
        )  
      )  
    ),  
    tree(  
      tag: [VP],  
      [likes], text(blue)[it],  
    ),  
  )
```



Reference

- render()
 - tree()
- Variables:**
- global-defaults

render

Renders a tree

Parameters

```
render(  
  tree: tree,  
  defaults: dictionary  
) -> content
```

tree tree

Tree to render

defaults dictionary

A dictionary overriding default parameters of rendering, cf `tree()` for a list of parameters and explanation.

Default: `global-defaults`

tree

Creates a tree from children trees or contents. The root may be labelled with an optional tag (label for the root node). This function returns a data structure that can serve as argument for `render` or for subsequent invocation of `tree`.

Parameters

```
tree(  
  tag: content none,  
  .. children: content tree,  
  layer-spacing: length none,  
  child-spacing: length none,  
  branch-stroke: stroke color length dictionary none,  
  color: color none,  
  align: alignment none,  
  defaults: dictionary none,  
) -> tree
```

tag content or none

Label for the root node. If none, no label will be rendered.

Default: `none`

.. children content or tree

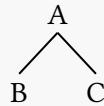
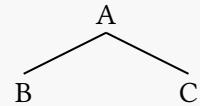
Children of the root node

layer-spacing `length` or `none`

Distance between this root node and its immediate children. If none, a default value is used.

`layer-spacing: 1em``layer-spacing: 2em``layer-spacing: 3em`Default: `none`**child-spacing** `length` or `none`

Distance between consecutive children of the root node. If none, a default value is used.

`child-spacing: 0em``child-spacing: 2em``child-spacing: 5em`Default: `none`**branch-stroke** `stroke` or `color` or `length` or `dictionary` or `none`

Stroke with which to draw the edge between the root node and its immediate children

`stroke: blue + 3pt``stroke: (dash: "dashed")`Default: `none`**color** `color` or `none`

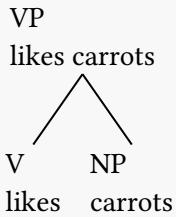
Color of the edges, the tag and the leaf nodes. If none, the edges will be black and the content will have its default color.

Default: `none`

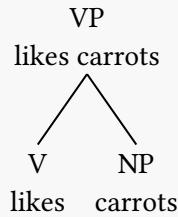
align alignment or `none`

Alignments for the content of the tags and the content.

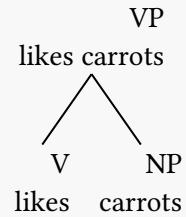
align: left



align: center



align: right

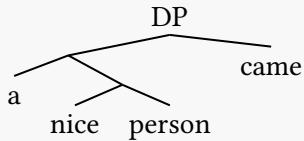


Default: `none`

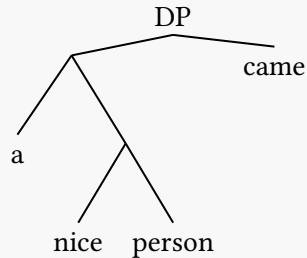
defaults dictionary or `none`

This dictionary can take any of the value for the optional parameters above. When a parameter value is specified here, it applies to this node and *all* of its descendants.

defaults: (layer-spacing: 1em)



layer-spacing: 1em



Default: `none`

global-defaults

Default values for the parameters of `tree()`.

NB: Because Typst is pure, changing these values will not change how trees are rendered. `global-defaults` is only provided for your information. To change the defaults globally, rename `render` (name shadowing):

```
#let render = render.with(defaults: new-defaults)
/* rest of document */
```