## LATEX homework

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## 1 Favourite topis in linguistics

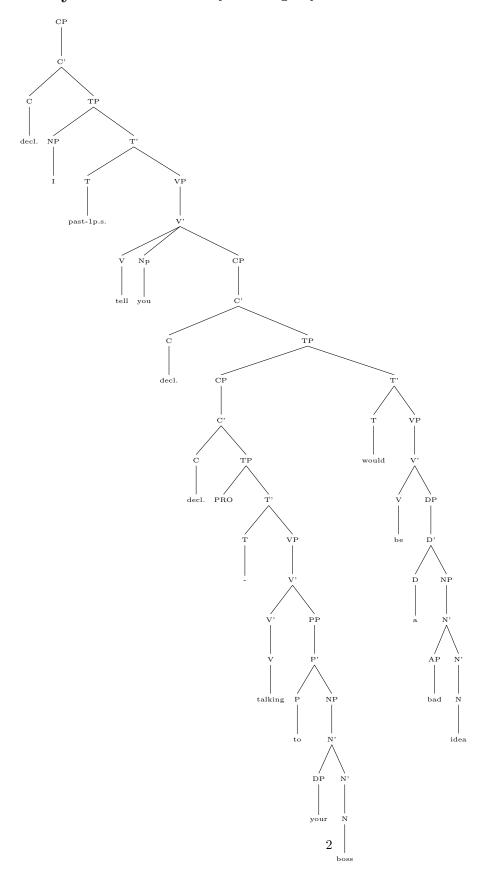
- 1. neurolinguistics
- 2. sociolinguistics
- 3. sentiment analysis
- 4. phonetics

### 2 Something about me

/ˈmaɪ ˈneɪm ɪz ˈselinə|| ˈaɪm ə ˈstjʊːdənt əv ˈnætʃrəl ˈlaŋgwədʒ ˈprəʊsɛsıŋ ət ðə juːnɪˈvərsəti əv ˈgdansk || aɪm ˈɔːlseʊ ən ˈɪŋglɪʃ ˈtiːtʃər ət ˈaksfərd ˈlaŋgwədʒ ˈsɛntə|| m ˈmaɪ ˈfriː ˈtaɪm aɪ ˈlaɪk tu ˈlɪsən tu ˈmjuːzɪk ənd ˈwaːtʃ ˈnetflɪks||/

/ˈlub<code>j</code> je poˈdruzɛəraz goˈtəvanɛ<code>||'mɔj</code>e uluˈb<code>j</code> jəne poˈtravy tə ˈkluski<code>|</code> rəˈlada i kaˈpusta<code>||/</code>

## $3 \quad Syntax \ tree$ - I told you talking to your boss would be a bad idea.



## Phonological rules

• Tapping: 
$$/t/ \to [r] \; / \; [ \; +vowel \; ]_- \left[ \begin{array}{c} +vowel \\ -stress \end{array} \right]$$

• Dentalization:

$$\left[\begin{array}{c}1\end{array}\right]\rightarrow\left[\begin{smallmatrix}1\\\vdots\end{array}\right]/\underline{\phantom{a}}\theta$$

#### NLP equation 5

Equation from the article Sentiment Analysis and Subjectivity by Bing Liu

$$oo(phrase) = log_2 \left( \frac{hits(phraseNEAR'excellent')hits('poor')}{hits(phraseNEAR'poor')hits('excellent')} \right)$$

# 6 Drawing Pie Charts with pgf-pie

