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Motivation

- Exploring the phonotactics in four Central Australian languages:
 - Specifically, vowel distributions across syllables
 - Kaytetye, Pitjantjatjara, Warlpiri and Warumungu
 - All Pama-Nyungan languages.
 - Refer to paper for a more detailed overview





Data as decisions in a corpus

- Each point encodes a series of decisions:
 - What features to encode and how?
 - What level of detail is needed?
 - What are the relevant features for the research question?
 - How to standardize these decisions across languages & linguists?
- Each decision is like a thread that contributes to the overall pattern/picture

Tailored corpus tool

- Addressing specific questions is often not possible with off-the-shelf tools Anthony (2012)
- Input (example):

```
\lx ..... headword, pos, gloss Xx,yy,zz Aa,bb,cc Dd,ee,ff Gg,hh,ii
```

Interactive dashboard to examine the effects of analytic decisions

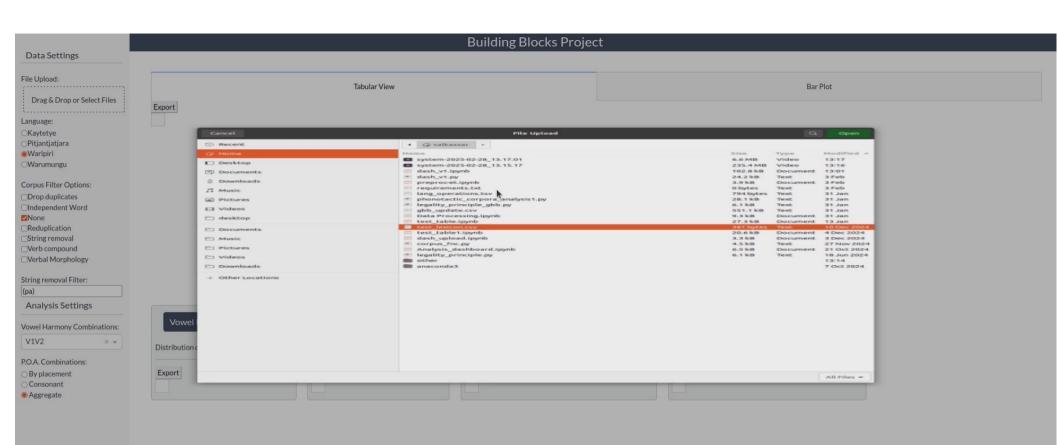
Based on plotly dash



With custom python functions









Thank you!





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