

Visualizing SLI predictors in children

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Research Question

What speech patterns and attributes are predictors for specific language impairment (SLI)?

What is SLI?

Abnormal language development in children that can not be accounted for by any existing diagnosed condition

Techniques used for diagnosis

Observation by an expert of a child's speech habits, patterns and peculiarities in an interview or task completion scenario.



Our Approach

- Dashboard displaying a set of visualizations to compare and contrast correlations between various relevant data fields with the SLI diagnosis
- Visualization will be interactive by allowing user to manipulate values of certain fields. (Ex. Slider for number of filler words used)

Risks

- Correlations likely not be so clear cut
- Presence of many attributes may cloud clarity of correlations