

JOINT ATTENTION

Visualizing Gaze During Rapid ABC Sessions

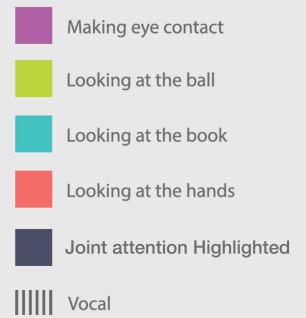
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Goal

In this visualization, we highlight joint attention, the synchronizing of attention of two or more people. Lack of joint attention can be a warning sign for development delays, which can lead to early diagnosis and intervention.

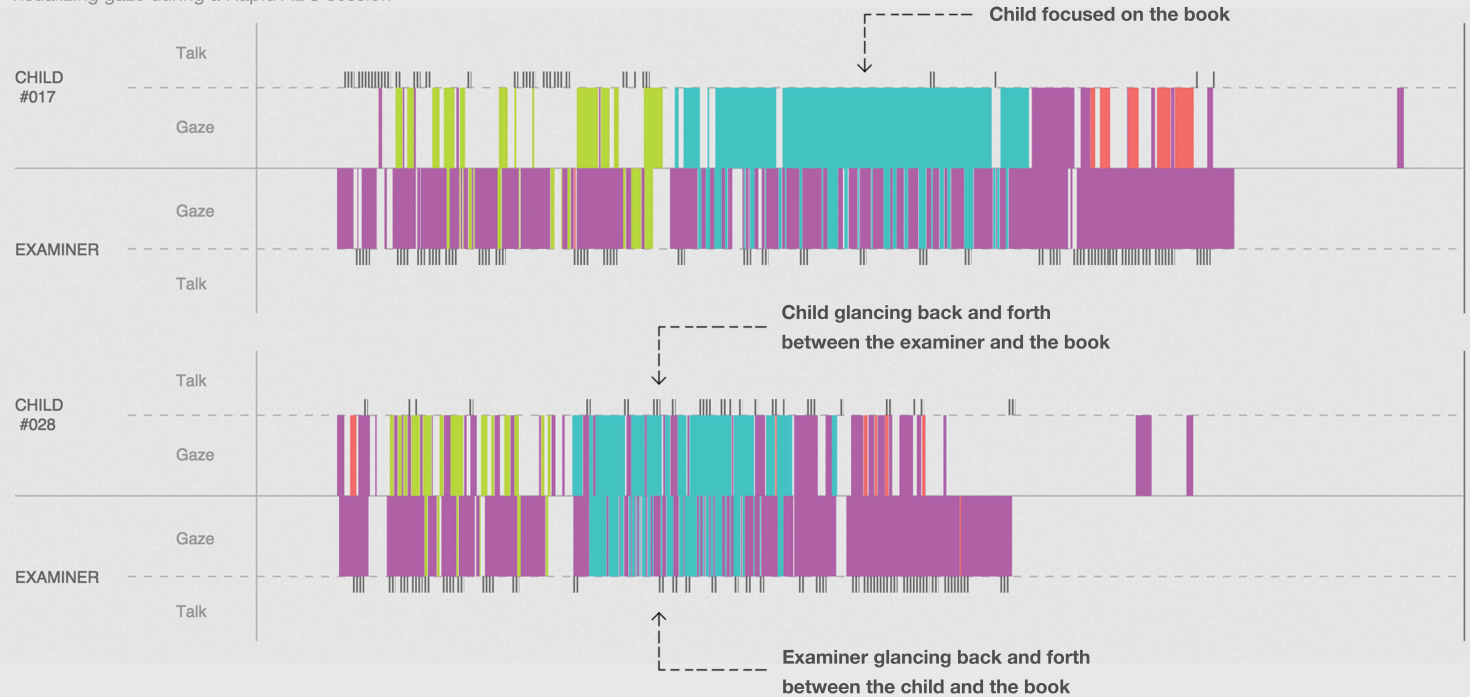
Design

We use annotated data to detect joint attention during a Rapid ABC session. The visualization highlights the quick glances of children that can be interpreted as bids for attention - a strong indicator for joint attention. Users can also allow gaze separated by a few milliseconds to be interpreted as joint attention, effectively redefining joint attention while exploring the visualization.



Overview

Visualizing gaze during a Rapid ABC session



Highlighting Joint Attention

This view highlights moments where the examiner and the child make eye contact, or when they exchange glances within X seconds, where X is the set interval.

