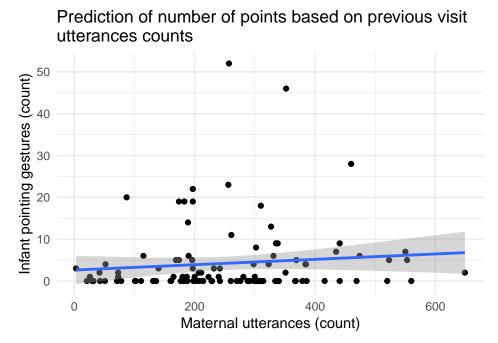
Predicting pointing gestures from HGs, contingent talks, and utterances

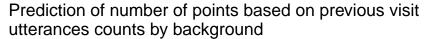
21/08/2018

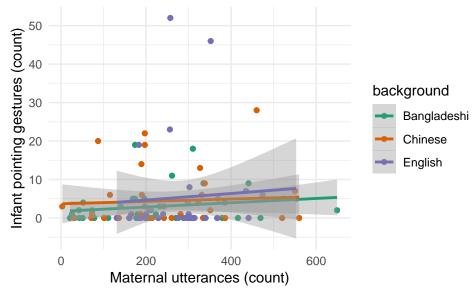
1 Maternal utterancese and infant pointing

There is a very small correlation between number of point gestures and number of maternal utterances of the previous visit.



There seems to be no major difference between backgrounds.

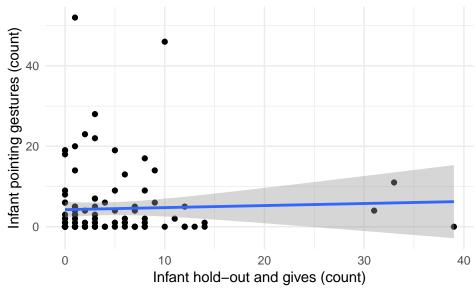




2 Hold-out and gives and pointing

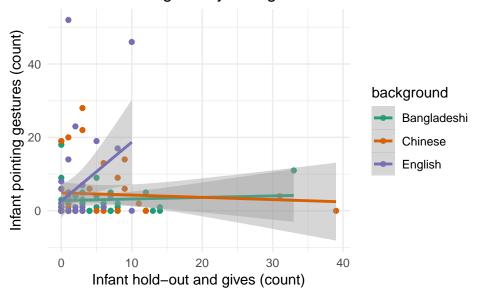
Hould-out and gives at the previous visit and pointing do not seem to be correlated, but there are three significant outliers.

Prediction of number of points based on previous visit hould—out and gives



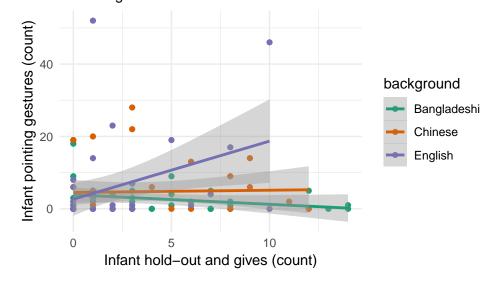
Possibly, there is a correlation in the English data.

Prediction of number of points based on previous visit hould—out and gives by background



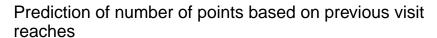
Even when removing outliers, Chinese and Bangladeshi do not show a correlation.

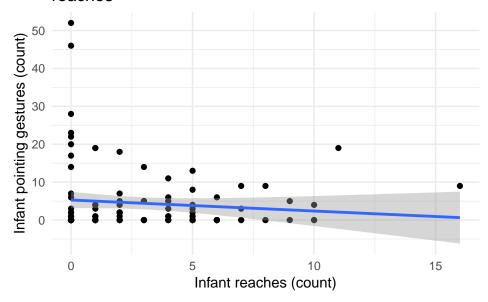
Prediction of number of points based on previous visit hould—out and gives by background Excluding outliers.



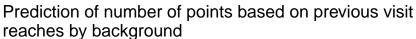
3 Reaches and pointing

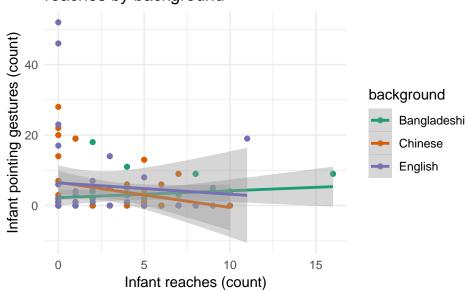
Pointing is not correlated with previous visit reaches.





While HGs seem to correlate with pointing at least in English (see previous section), reaches do not correlate with pointing even in English.

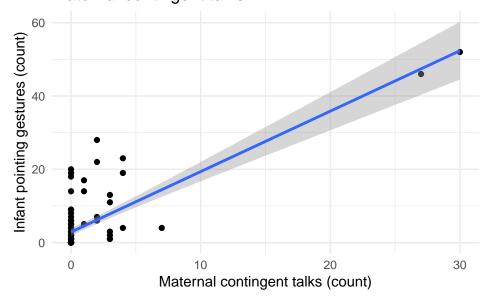




4 Maternal contingent talks and infant pointing

There might be a correlation between pointing gestures and maternal contingent talks of the previous visit.

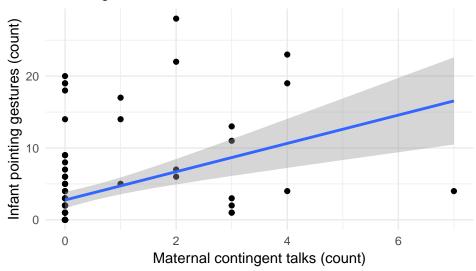
Prediction of number of points based on previous visit maternal contingent talks



Even when removing outliers, the correlation stays.

Prediction of number of points based on previous visit maternal contingent talks

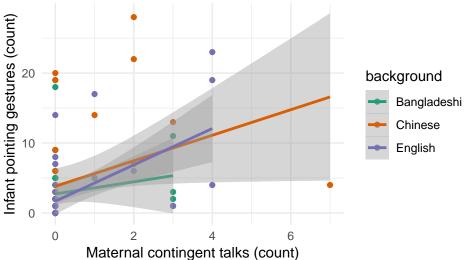
Excluding outliers.



All backgrounds seem to show the correlation (but the Bangladeshi data is quite scant at higher CT counts).

Prediction of number of points based on previous visit maternal contingent talks by background

Excluding outliers.



5 General observations

For the cases that show a correlation, it must be noted that the confidence intervals are in general quite wide, meaning that we are not very sure about the presence of said correlations.

Another issue is that there are a lot of counts = 0, then a few data points with counts between 1 and 7.