Neighborhood and Social Network Influences on Preschoolers’ Theory of Mind Development

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Abstract

Research has indicated that children develop the ability to understand and apply others’ mental states, emotions, and knowledge through a skill known as Theory of Mind. However, little is known about how this skill initially arises.This study seeks to study how a child’s home and external environment may influence development of Theory of Mind. Such factors include parental perceptions of their children’s social understandings, the makeup of children’s neighborhood and the size and make up of their social network. This research can provide a better understanding of how children acquire Theory of Mind abilities and what kind of environments either promote or hinder development.Here we show no statistically significant correlations between the majority of the factors considered and children’s Theory of Mind ability. However, scores on the behavioral task and the parent-report measure were correlated with statistical significance, suggesting that parents have an understanding of their children’s Theory of Mind abilities. Counter to the hypothesis, neighborhood violent crime rate was positively and significantly correlated with children’s performance on the parent-report measure, indicating that children in areas that experience more violent crime may actually have better developed Theory of Mind. The lack of statistically significant correlations may be due to the small sample size. However, it is also possible that factors within the home or characteristics of the child themselves may be the deciding factors in how Theory of Mind arises.

*Keywords:* Theory of Mind, Social Network, Neighborhood

*Word count:* X

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# Methods

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

## Participants

## Material

## Procedure

## Data analysis

We used R (Version 4.1.0; R Core Team, 2021) and the R-packages *papaja* (Version 0.1.1; Aust & Barth, 2022), and *tinylabels* (Version 0.2.3; Barth, 2022) for all our analyses.

# Results

# Discussion

# References

Aust, F., & Barth, M. (2022). *papaja: Prepare reproducible APA journal articles with R Markdown*. Retrieved from <https://github.com/crsh/papaja>

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