Introduction

• Early child home learning is important in the development of a child
• Parents are the child’s first teacher when it comes to exposure to cognitive and socio-emotional development
• Studies found that older siblings in middle childhood can teach new cognitive concepts and language skills to younger siblings

Objective of the Study

The purpose of the internship is to analyze data from an already existing dataset to see if there is a correlation on child development and home learning environments, and eventually answering the question: How does having a sibling influence home learning environments and play a significant role in child development.

Methods

• Identify location of research: Laos
• Conduct preliminary research and code findings
• Using R-studio to extract data findings, transcribe findings into visualizations, and write-up

Results

• There is a trend for high population of Low Engagement among all variables and vice versa for high engagement (low population)
• There are 4 latent classes:
  • High Engagement
  • Low Engagement
  • Socio-emotional Caregiving
  • Cognitive Caregiving

Discussion

• Examine sibling outcomes to that of single child with high and low engaged parents.
• Consider analysis with siblings and parent engagement for the policy to be inclusive
  • Target families with limited resources and engagement to show them by example how to utilize existing resources to engage in home learning with their children

Questions

• What are some confounding variables that can potentially change the results of the data

Conclusion

• There is a trend for high population of Low Engagement among all variables and vice versa for high engagement (low population)

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