

# Request #: 631 - HDFS - Other

Extracurricular activities and social aggression & prosocial behaviors in high school students

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## Background

This project aims to utilize a secondary dataset to examine how academic extracurricular activity participation might influence grades, social aggression, and prosocial behaviors across two time points. Grades are parent-reported, social aggression and prosocial behaviors are teacher-reported, and extracurricular activity participation self-reported.

This was primarily exploratory, with multiple variables examined. Extracurricular participation is binary, while the others are continuous. SEM is currently being used with issues due to the presence of both endogenous and exogenous categorical/binary variables. Four distinct time points exist in the dataset, with two measures for each: activity and grades t1 ; social aggression and prosocial behavior t2; activity and grades t3 ; social aggression and prosocial behavior t4.

## Sample

Secondary dataset with approximately 259 useable cases. Lots of missing data for variables of interest, with 101 complete cases.

## Hypothesis

Extracurricular activity participation may serve as a protective factor against socially aggressive behaviors and may promote prosocial behaviors and higher grades over time.

## Progress

-data cleaning done -basic exploratory summaries and SEM run in R studio via lavaan package, with issues with model fit present due to presence of both endogenous and exogenous categorical/binary variables in the dataset -unknown as to what estimator to use for SEM or if it would be better to do a different data analysis

## Request

-help in figuring out appropriate analyses and in understanding results given presence of both endogenous and exogenous categorical/binary variables in the dataset -help in planning alternative analyses as needed

## Timeline

I would like to have a useful data analytic strategy completed by the end of 2022.