Using Random Forest Models to Identify Predictors of Adolescent Aggression

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1. Round 1

1.1. Reviewer 1

Reviewer:

This section lists multiple studies but lacks an integrated framework showing how digital aggression variables were operationalized in the current study. Please specify whether the dataset included digital-behavior predictors and how they align with this theoretical rationale.

This important point needs elaboration. Please describe which specific sociocultural factors in Tehran might differentially influence aggression compared with other regions.

Please clarify whether the study aims to build a predictive tool, advance theoretical understanding, or both. Including these distinctions will improve conceptual clarity.

In Table 3, "importance score" is reported, but Random Forest can calculate several types (Gini importance, permutation importance). Please specify which method was used and why.

Authors uploaded the revised manuscript.

1.2.   Reviewer 2

Reviewer:

Please explain how these conditions were identified (self-report? school counselor reports? records?) and how consistently the screening procedure was applied.

Although Table 3 includes "Media exposure to violence" as a predictor, the Measures section does not describe how this variable was measured. Please add a paragraph detailing the instrument or items used.

The text mentions that missing values were imputed using "appropriate procedures." Please specify the exact imputation method (mean, k-nearest neighbors, multivariate imputation).

The manuscript notes: "Model tuning was performed by optimizing key hyperparameters."

Please specify the tuning grid or search strategy (grid search, random search), fold count in cross-validation, and the parameter ranges explored.

Authors uploaded the revised manuscript.

2.   Revised

Editor's decision after revisions: Accepted.
Editor in Chief's decision: Accepted.