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REVIEWER'S REPORT

Manuscript No.: IJAR- 59835

Manuscript Title: Pratique du Basketball et dÃ©veloppement communautaire Ã Saint-Louis : effets de la pratique sur les bÃ©nÃ©fices Ã©ducatifs des jeunes des quartiers

Recommendation:
Accept after minor revision

Rating	Excel.	Good	Fair	Poor
Originality		✔		
Techn. Quality			✔	
Clarity			✔	
Significance	✔			

Reviewer Name: Dr. Abdul Haseeb Mir

Detailed Reviewer's Repot

General Overview

The academic article titled "Pratique du Basketball et développement communautaire à Saint-Louis : effets de la pratique sur les bénéfices éducatifs des jeunes des quartiers" ("Basketball practice and community development in Saint-Louis: effects of practice on the educational benefits of neighborhood youth") investigates how participation duration and weekly training frequency in community basketball academies relate to perceived educational outcomes among youth ($n = 84$ across four basketball schools in Saint-Louis, Senegal), as well as whether perceived coaching quality moderates the development of transversal skills. Using bivariate correlations, multiple linear regression, and moderated regression with Johnson–Neyman probing and 5,000-sample bootstrapping, the study reports that participation duration significantly predicts global educational scores ($\beta = 0.254$, $p = 0.020$) whereas training frequency does not ($\beta = 0.186$, $p = 0.097$), and identifies a significant moderation threshold where coaching quality must reach at least $3.42/5$ for practice to positively impact transversal skills.

A notable strength of the manuscript is its well-structured theoretical grounding (drawing on Durkheim, Bourdieu, Parlebas, and Positive Youth Development frameworks) combined with a clear empirical contribution to West African sport-for-development research. Moving beyond simple descriptive reporting to test regression assumptions (VIF, Breusch–Pagan, Shapiro–Wilk), bootstrapped confidence

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intervals, and a Johnson–Neyman operational threshold ($3.42/5$) provides concrete, policy-relevant evidence for youth sports governance in Senegal.

However, to meet the standards required for academic publication, the manuscript requires minor revisions to resolve several internal statistical/sample-size discrepancies, clarify measurement operationalization, and clean up formatting and bibliographic mismatches:

- **Statistical, Sample-Size, and Reporting Discrepancies:**
  - **Sample Size Mismatch:** The Résumé, Abstract, Section 2.3 (line 254), and Table 2 (df implied by CI) consistently report **$N = 84$** participants (30 boys, 54 girls), yet the Conclusion (page 16, line 474) states *"reste modeste $(n=83)$"*, and Table 3 reports $F(2,80) = 9.17$ while Table 4 reports $F(1,79) = 5.52$ (which would correspond to $N = 83$ and $N = 84$ depending on the number of predictors in the full vs. change model—this should be explicitly clarified).
  - **Table 4 Typographical Errors:** In Section 3.1.4 (page 11, lines 314–315), the simple slopes list *"Qualité moyenne : $\beta = 1,136\ (P<0,001)$"* (which appears to be a typo for **$\beta = 0,136$**, given that low quality is 0.062 and high quality is 0.202) and *"Qualité élevée (+1 ET) : $\vec{P} = 0,202\ (P<0,001)$"* (where $\vec{P}$ is a typo for **β**). Additionally, in line 325, the bootstrap confidence interval reads *"[0,015; 0173]"* (missing a decimal comma in $0,173$) and says *"5000 interactions"* instead of *"5000 itérations"*, while line 324 misspells *"Shapiso-Wilk"*.
  - **Operationalization of Variables and Methods:** Section 2.4 (line 268) states that structural equation modeling (*SEM* with lavaan) was used, yet no SEM path diagram, factor loadings, or fit indices (CFI, TLI, RMSEA—despite Hu & Bentler, 1999 and Fornell & Larcker, 1981 appearing in the bibliography) are presented in the Results. Furthermore, Table 1 lists codes F-M2 and F-M3 (skipping F-M1) without specifying the measurement scales (e.g., Likert scale range, how duration in months/years was coded, or how the composite "score éducatif global" and "Pratique" composite in Table 4 were constructed).
- **In-Text Citations vs. Bibliography Mismatches:** Several in-text citations do not match the reference list—for example, *Schulenkorf et al. (2016)* (line 61), *Zarrett et al. (2018)* vs. bibliography entry 40 (*Zarrett, Veliz, & Sabo, 2018*), *Gaye (2018)* (line 134), *UNESCO et AFD (2022)* (line 180), *Dodge et al. (2020)* (line 210), *Chiweshe (2018)* (line 213), and *Côté & Fraser-Thomas (2016)* (line 402) are missing from the bibliography, while several bibliography entries (e.g., *Baron & Kenny, 1986*; *Coalter, 2013*; *Cohen, 1988*; *Fornell & Larcker, 1981*; *Hu &*

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Bentler, 1999; *Jones et al., 2017*; *MacKinnon et al., 2004*; *Preacher & Hayes, 2008*) are never cited in the text.

- **Minor Editorial and Section Numbering Polish:** Section 3 jumps from *3.1.1* directly to *3.1.3* (skipping *3.1.2*), and minor French typographical errors (*"quatre quatre"* in line 11, *"lavan"* instead of *lavaan* in line 267, *"en deçà"* / *"au-delà"* threshold wording consistency between $3,42/5$ and $3,4/5$, and *"pas pas"* in line 320) should be corrected.

Reconciling the statistical typos in Section 3.1.4, clarifying the composite variable construction and sample size (84 vs. 83), and aligning the reference list with in-text citations will ensure the manuscript is ready for publication.

ACCEPTED WITH MINOR REVISION