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REVIEWER'S REPORT

Manuscript No.: IJAR-59893

Title: Trend Analysis of State GSDP in India.

Recommendation:

Accept as it is .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

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

Reviewer's ID: JPR-002

Detailed Reviewer's Report

The research paper entitled "Trend Analysis of State GSDP in India" examines the growth patterns of Gross State Domestic Product (GSDP) across 30 Indian States and Union Territories during the period 2011–12 to 2023–24. The study addresses a relevant and significant area of regional economic development by comparing nominal and real GSDP growth using compound annual growth rates, linear trend analysis and quadratic regression models. The manuscript is logically structured, with clearly stated research objectives, an appropriate description of the data sources and methodology, and a systematic presentation of empirical findings. The use of current-price and constant-price data provides valuable insights into the influence of price changes on the observed growth patterns of different states. The statistical analysis, particularly the application of F-tests to examine the significance of quadratic trends, adds analytical value to the study. The findings highlighting the differences between nominal and real economic growth, the impact of the COVID-19 pandemic during 2020–21, and the variations in growth performance among states are meaningful and relevant to policymakers, researchers and academicians. The tables and graphical representations presented in the manuscript, particularly the comparative CAGR analysis, state-wise growth trends, regression results and pandemic-related economic contraction, improve the clarity and interpretation of the results. However, certain improvements are required before publication. The authors should provide more detailed information regarding the data collection and validation procedures, including the direct source links and relevant official statistical references. The methodology section would benefit from a clearer explanation of the statistical assumptions underlying the regression models and the limitations associated with using only 13 annual observations. The authors should also examine the possible influence of structural breaks, inflation variations and differences in state-level economic composition while interpreting the results. In addition, the study should strengthen its discussion by comparing the major findings with recent empirical studies on regional economic growth and convergence in India. Some numerical values, table formatting, mathematical expressions, abbreviations and figure captions require careful proofreading to ensure consistency and readability. The limitation arising from the exclusion of certain states and the definitional changes in the Jammu and Kashmir data series should also receive greater attention. The conclusion may be strengthened by incorporating more specific policy implications and explaining how the findings can support balanced regional development and state-level economic planning. The references should be checked for completeness, consistency and adherence to the prescribed journal citation style. Overall, the manuscript

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addresses a relevant research problem, adopts a suitable quantitative approach and presents useful empirical findings. With improvements in methodological explanation, data transparency, literature integration, interpretation and presentation, the paper has the potential to make a meaningful contribution to the literature on regional economic development in India. The manuscript is recommended for publication subject to major revisions.