

65
عالمياً
YEARS



الهيئة العامة للإحصاء
General Authority for Statistics

Research Topics at

the Statistical Forum for Universities & Associations

Second Version



Participation with research papers



The General Authority for Statistics (GASTAT) invites academic researchers from Saudi universities to submit peer-reviewed research papers for the Second Statistical Forum for Universities and Associations. Submissions should address topics relevant to the interests of GASTAT and the statistical sector.



Suggested topics:

01. Development of curricula in statistical disciplines

- Modern methodologies for developing academic programs in statistics aligned with market needs.
- Integration of digital statistical technologies into university courses.

02. Statistical techniques, methodologies, & digital transformation

- Using AI to improve the quality of statistical data.
- Integrating big data with traditional statistical systems.

03. Integration between statistical offices, academic institutions, and associations

- Effective partnership models between universities and statistical offices.
- The role of statistical associations in supporting scientific research and specialized training.
- Comparative studies on international best practices in statistical integration.

04. Leveraging data for global sustainable development

- Using Geographic Information Systems (GIS) to track progress toward Sustainable Development Goals (e.g., monitoring poverty or climate change).
- Leveraging metadata to improve comparability of global statistical data.
- Case studies: Saudi Arabia's success in using statistical data to support Vision 2030 (e.g., health or education sector indicators).

05. Strengthening partnerships & collaboration in statistical data

- Successful models of collaboration between universities and statistical entities (e.g., joint research projects for market data analysis).
- The role of statistical associations in capacity building and knowledge transfer (e.g., training specialized statistical personnel).
- Frameworks for sharing statistical data between the public and private sectors while ensuring privacy (e.g., open data systems).

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Suggested topics:

06. Pioneering advanced technologies and methodologies for statistical data

- Using AI to enhance statistical data quality. (e.g., discovering statistical survey errors).
- Applying fuzzy data techniques to analyze intricate social phenomena.
- The role of cloud computing in enabling secure and rapid access to statistical data.

07. Innovative methodologies to improve data quality.

- Using digital surveys and smartphones in data collection, and smart technologies in integrating statistical surveys (e.g., polls via applications).
- Innovative methods reducing bias in statistical samples (e.g., ensuring representation of marginalized groups).
- Evaluating the impact of COVID-19 on statistical field data collection methods.

08. Employing data for social change and comprehensive growth

- Statistical data analysis to support comprehensive policies (e.g., measuring sex gaps in the labor market).
- Applying predictive analytics to reduce poverty (e.g., identifying areas with most need for interventions).
- The role of open data in enhancing transparency and empowering citizens (Case study: Government data platforms).



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