



Quality Culture in the NSO of Colombia

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I. National practices on the implementation of a quality culture

1. Capacity Development

- **Virtual workshops:** 17 workshops on different topics such as classifications, statistical process, anonymization, amongst others, are currently offered.
- **Joint work with internal and external producers** in adopting and adapting international standards.
- **34 documents** related with guides, manuals and other guidelines published on the NSS website.
- **Statistical Training Assessment Tool** – GIST of the UNSD
- **Experimental statistics** (Prioritizing the attention to information demands, recognizing the challenges in quality of working with new sources and methods)



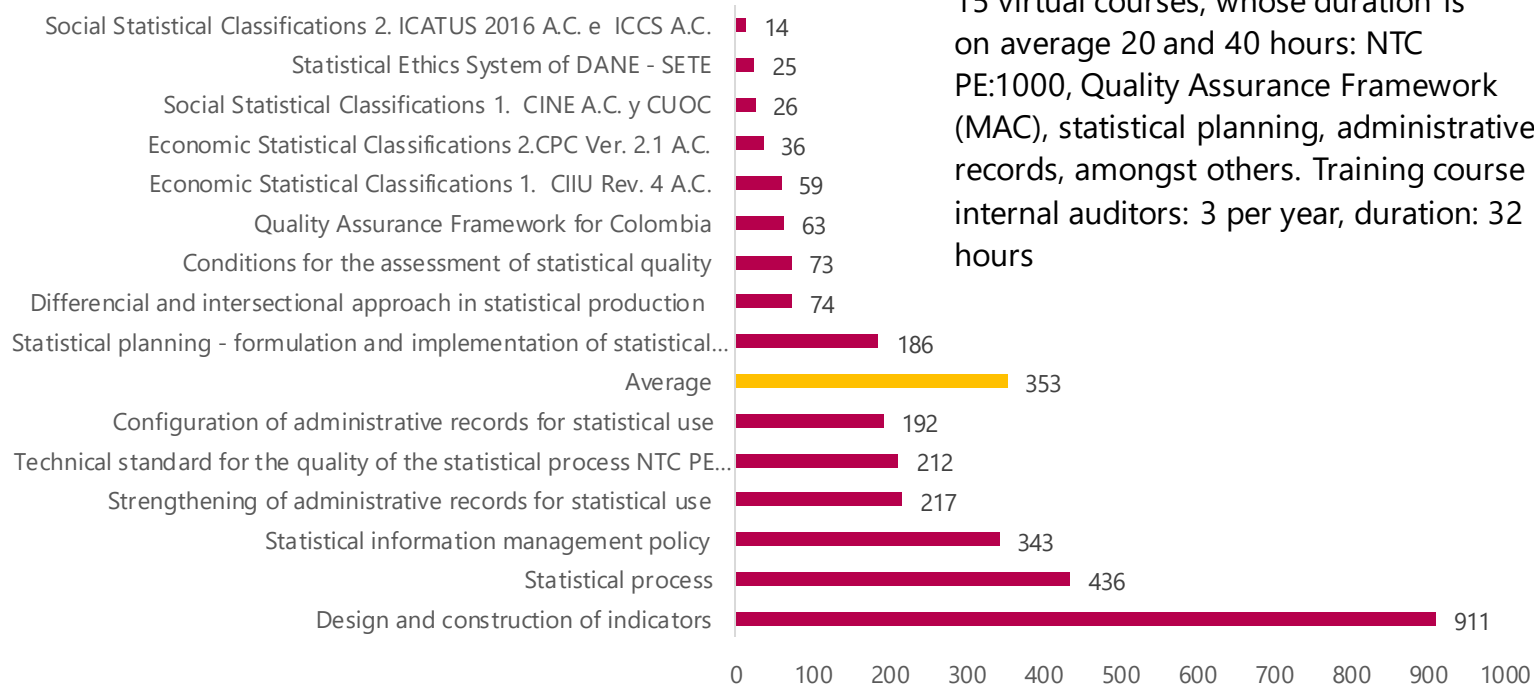
<https://www.dane.gov.co/index.php/estadisticas-por-tema/estadisticas-experimentales>

<https://www.sen.gov.co/>



I. National practices on the implementation of a quality culture

Number of certificates 2023



Virtual courses:

15 virtual courses, whose duration is on average 20 and 40 hours: NTC PE:1000, Quality Assurance Framework (MAC), statistical planning, administrative records, amongst others. Training course for internal auditors: 3 per year, duration: 32 hours

I. National practices on the implementation of a quality culture

2. Effective communication management

- **Statistical culture website**
- **Promote Open Data** -Nacion (ANANDA) (metadata & mi
- **Statistical notes** (promote the use of official statistics in different contexts in collaboration with stakeholders)
- Posting on social media (X, YouTube, Facebook, Instagram)

3. Data Governance

- **Statistical Law 2335/ 2023**
- **Technical Advisory Council of the National Statistical System**
- Committee on Data Management (CAD), conformed by:
 - National Statistical Office
 - ICT Ministry
 - National Planning Department
 - Superintendency of industry and commerce



Acá encuentra información en video de ruedas de prensa, así como material pedagógico y explicativo para comprender e interpretar mejor las investigaciones que genera el DANE.



#DANEExplica

Videos que detallan las características, conceptos y detalles del proceso de recolección de información de algunas operaciones estadísticas.

Ver lista reproducción completa



Herramientas de consulta

Video tutoriales sobre cómo usar las herramientas de consulta interactivas que dispone el DANE (visores y geovisores).

Ver lista reproducción completa



<https://www.dane.gov.co/index.php/sala-de-prensa/caja-de-herramientas/cultura-estadistica>

I. National practices on the implementation of a quality culture

4. Quality Evaluation and Error Handling

- Quality metrics form
- Systemic revision
- Quality assessment
- Focused revision
- Self-evaluation

Quality Assurance Framework (MAC)

Guidelines:

- Implementation of anonymization techniques, training, and advisory support for national and territorial entities as proposed by DANE.
- Exploration of multivariate techniques using machine learning modeling and neural networks for anomaly identification in the upcoming 2024 economic census.

5. High-level commitment

- There is a statistical quality group at DANE with 20 people working with internal and external producers.
- Quality is part of the principles that regulate the National Statistical System
- Active participation in the international groups at global and regional level.



I. National practices on the implementation of a quality culture

Quality metrics form

Fase/Actividad		Período anterior (T-1)	Período actual (T)	Observaciones (utilizar este espacio para explicar las diferencias presentadas, en el caso que)
Fase de recolección o acopio	1. Fecha programada de inicio del operativo de recolección o acopio.	Fecha programada:	Fecha programada:	
	2. Fecha real de inicio del operativo de recolección o acopio.	Fecha real:	Fecha real:	
	3. Fecha programada de cierre del operativo de recolección o acopio.	Fecha programada:	Fecha programada:	
	4. Fecha real de cierre del operativo de recolección o acopio.	Fecha real:	Fecha real:	
	5. Para el período, cuéntas unidades (viviendas, hogares, personas, empresas, establecimientos o registros) fueron:	¿Cuál es la unidad de observación (1)? Número de unidades esperadas (1) Número de unidades visitadas (1) Número de unidades completas (1) ¿Cuál es la unidad de observación (2)? Número de unidades esperadas (2) Número de unidades visitadas (2) Número de unidades completas (2) ¿Cuál es la unidad de observación (3)? Número de unidades esperadas (3) Número de unidades visitadas (3) Número de unidades completas (3)	¿Cuál es la unidad de observación (1)? Número de unidades esperadas (1) Número de unidades visitadas (1) Número de unidades completas (1) ¿Cuál es la unidad de observación (2)? Número de unidades esperadas (2) Número de unidades visitadas (2) Número de unidades completas (2) ¿Cuál es la unidad de observación (3)? Número de unidades esperadas (3) Número de unidades visitadas (3) Número de unidades completas (3)	

NOTA: para las operaciones estadísticas que tienen más de una unidad de observación, relacionar cada una, (ej. viviendas, hogares, personas).

Si no se cuenta con más de una unidad, escribir NA en la unidad.

Quality metrics form report



Source: DANE, DIRPEN 2023

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6. Employees commitment

Implementation of the guidelines for the statistical process in the production of statistical information.

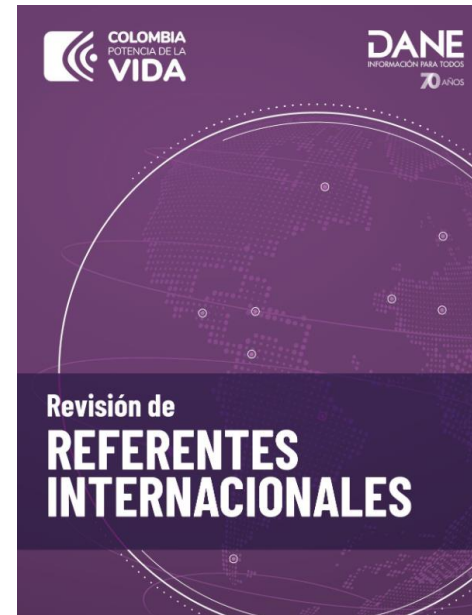
- External committees with users
- Methodological videos
- Review of international practice reports



<https://www.youtube.com/watch?v=kOTukbB8RU8>

<https://www.youtube.com/watch?v=YO-5GBmvoG4>

<https://www.sen.gov.co/normatividad/referentes-internacionales>





II. Challenges of the start-up and in the sustaining of quality culture at DANE

1. Extending quality culture across the NSO, NSS and verifying whether the established guidelines are being applied.
2. Carrying out regular evaluations in regards to the QAF implementation, in both NSO and the other entities within the NSS. To carry out the diagnosis for 20 NSS entities out of a total of 105 during the validity of the National Statistical Plan 2023-2027.
3. Strengthening of the awareness-raising processes of the tools provided by NSO regarding quality assurance.
4. Promoting the documentation of statistical processes and their results in NSO and the NSS and their publication for effective use by all stakeholders.



III. Expectations, advantages of working with the Subgroup on Quality Culture, and how other countries could benefit from this.

1. Learning from good practices and experiences of other countries in order to strengthen the processes developed by DANE.
2. Implementing the maturity model regarding quality culture.
3. Contributing with good practices implemented at DANE that might be useful for other countries.
4. Achieve mutual collaborations for the creation of new concepts and knowledge on quality culture.



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