European Conference on Quality in Official Statistics

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Training course

DATA QUALITY ASSESSMENT METHODS AND TOOLS

Instructors

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Course Design

The production of high quality statistics depends on the assessment of data quality. The quality framework provided by the European Statistics Code of practice highlights the importance of data quality assessment in several instances. The course will be based on the "Handbook on Data Quality Assessment Methods and Tools" that aims at facilitating a systematic implementation of data quality assessment in the European Statistical System. To this end it provides a concise description of the data quality assessment methods currently in use. Furthermore it gives recommendations on how these methods and tools should be implemented and how they should reasonably be combined.

In a first step the general framework of assessing data quality will be described. Afterwards the course will provide an insight in the concepts and actual implementation of the following assessment methods: measurement of process variables, quality reporting, quality indicators, user surveys, self-assessments and auditing. An introduction in the approaches "quality label" and "certification against ISO 20252:2006" is scheduled as well. Moreover the course stresses the necessity and possibilities of combining the methods in a systematic way.

Besides the descriptions by the lecturers the participants will discuss how the outlined methods and approaches can be implemented in the national statistical institutes and other data providing organisations. On this way the course offers the participants useful stimulations for their daily work.

Course Text and Materials

You can download the "Handbook on Data Quality Assessment Methods and Tools" on the homepage of Eurostat following the link:
http://epp.eurostat.ec.europa.eu/portal/page?_pageid=2273,1,2273_47143234&_dad=portal&_schema=PORTAL