



AI – CATCH
GET HELP WITH CHANGES IN
YOUR ORGANISATION

D R A F T

**Change in statistical organisations
as structured problem-solving
supported by AI catch for Statistics**

Workshop Agenda

Mogens Grosen Nielsen
November 2024

INTRODUCTION

The purpose of this document is to give an overview of objective and program for a workshop using AI catch for Statistics, so relevant parties get an idea on the scope and content of the workshop.

BACKGROUND

In short AI catch for Statistics is a generative AI tool with relevant use-cases and relevant knowledge (policies, standards, guidelines). The tool will be tailored to each organisation. An organisation can use AI catch for Statistics in two main ways: a) Use AI catch for learning, e.g. chat with AI catch about standards, policies, or other documents in your organisation; b) Use AI catch to support problem solving, e.g., insert problem and existing situation and get suggested changes.

AI catch does not provide solutions, final answers, nor decisions, but can help in preparing decisions about changes. *Decisions about change are, as we all know, complex, and take place in many ways. They are particularly dependent on and must be based on the individual organisation's knowledge, history, etc.*¹ This complexity forms the background for five skills covered in the workshop:

- **Change** as structured problem-solving moving from existing to desired situation
- **Artificial intelligence** as exploration tools supporting human thinking by filling the gap between human thinking and the powerful capabilities of the Generative AI.
- **Terminology** and knowledge in your organisations, e.g. strategy, quality, processes, etc.
- **Co-create** changes together with colleagues with help from AI catch for Statistics.
- **Hold on** to the change processes in your organization

The objectives and program presented below are in a first draft. Topics can be added, changed or removed depending on the needs of each individual organisation. In addition, we also recommend a small pilot study with a few participants (possibly only consultants).

TRAINERS

Mogens Grosen Nielsen, Independent consultant

- **Experience:** 30+ years experience working at Statistics Denmark and as a consultant for statistical organisations in Europe, Africa, Asia, Latin America and the Middle East. In-depth experience with training in statistical production focusing on quality

¹ The theoretical background for Change as Structured Problem-solving Using AI was presented at conference about social system theory September 2024. Paper to be published.

- **Contact Information:** Nielsen Statistics Consulting, Tel: +45 9397 7068.
Mail: mogensgrosen@gmail.com. Web: nielsenstatistics.com. LinkedIn: [Mogens Grosen Nielsen](#)

Lars Thygesen, Independent consultant

- **Experience:** 40 years experience working at Statistics Denmark and the OECD's Statistical Directorate; worked as a consultant for statistical organisations in Europe, Africa, Asia, and the Middle East. In-depth experience with training in statistical production focusing on quality and the use of administrative sources
- **Contact Information:** Lars Thygesen, Thygesen Statistics Consulting, Tel: +45 28403941.
Mail: lthygesen@gmail.com

OBJECTIVE

The objective of this workshop is to equip participants with the knowledge and tools to manage the complexities of modern statistical production and dissemination. The course will emphasize sustainable practices, focusing on quality, structured problem solving, and the use of AI tool AI-catch to support these processes.

EXPECTED OUTPUT

By the end of the course, participants will:

- Understand change as structured problem-solving bringing the organisation from an existing situation to a future situation using AI and best practice
- Understand and use AI catch to support the change processes using a large knowledge base with standards and best practices.
- Understand and apply statistical standards, frameworks, and best practice and how they can be tailored and used in the organisation.
- Understand how to co-create changes with colleagues using AI catch and input from external experts.
- Understand and use skills-oriented training within their organizations to promote sense-making both at individual and group level

WORKSHOP OUTLINE

PART 1. CHANGES IN YOUR ORGANISATION - PROBLEM, CURRENT & FUTURE SITUATION AND POSSIBLE CHANGES.

PART 2. AI IN THEORY AND PRACTICE – INCL. INTRODUCTION TO THE TOOL AI CATCH FOR STATISTICS

PART 3.A TERMINOLOGY AND GENERIC KNOWLEDGE ABOUT QUALITY INCL. SELF-ASSESSMENT

PART 3.B TERMINOLOGY AND GENERIC KNOWLEDGE FOR BUSINESS PROCESSES

PART 4. CO-CREATE CHANGES IN STATISTICAL BUSINESS PROCESSES WITH HELP FROM AI CATCH

PART 5.A HOLD-ON TO NEW PRACTICES IN YOUR ORGANISATION. TERMINOLOGY AND GENERIC KNOWLEDGE

PART 5.B HOLD-ON TO NEW PRACTICES IN YOUR ORGANISATION. CO-CREATE CHANGES IN STRATEGY, LEADERSHIP AND SUPPORT FUNCTIONS

SUGGESTED READING

1. *Manual for the standard compilation of statistics: UN National Quality Assurance Framework Manual – 2019 Edition.* (focus on Annex Detailed list of elements to be assured)
<https://unstats.un.org/unsd/methodology/dataquality/un-nqaf-manual/>
It is recommended to go through the e-learning course “*National Quality Assurance Framework (NQAF)*” at the UN global Platform.
<https://learning.officialstatistics.org/course/view.php?id=74>
2. *Guide for the implementation of a quality assurance framework for statistical processes and outputs*. Guide prepared by a Working Group initiated by the Statistical Conference of the Americas of the Economic Commission for Latin America and the Caribbean (ECLAC). Link:
<https://rtc-cea.cepal.org/en/document/guide-implementation-quality-assurance-framework-statistical-processes-and-outputs>
3. European Statistical System (ESS) handbook for quality and metadata reports — 2020 edition (focus on part II Guidelines). <https://ec.europa.eu/eurostat/web/products-manuals-and-guidelines/-/ks-gq-19-006>
4. Generic Statistical Business Process Model (GSBPM), UNECE, 2019.
<https://statswiki.unece.org/display/GSBPM/GSBPM+v5.1>

5. Generic Activity Model for Statistical Organizations (GAMSO), UNECE, 2019.
<https://statswiki.unece.org/display/GAMSO/Generic+Activity+Model+for+Statistical+Organizations>

TOOL FOR PRACTICAL SESSIONS

- Computer with internet access, USB and HDMI
- AI catch
 - **Description:** AI catch is an AI-driven tool (currently as GPT's implemented in OpenAI) designed to help statistical organisations in making informed decisions by analysing documents, comparing them with guidelines and best practices, and offering suggestions.
 - **Application:** During the practical sessions, participants will engage with AI catch to address specific challenges in their organizations, such as enhancing data collection procedures.