

**Documentation of statistics for  
The Data Bank of the Macroeconomic Model ADAM 2014**

## 1 Introduction

The purpose of the data bank is, through a set of long and coherent time series, to give a detailed and consistent basis for a description of the Danish economy. The data bank has been developed in the process of constructing the "Annual Danish Aggregate Model", ADAM, used by the government, but it can be used in general as a comprehensive and consistent annual data bank of the Danish economy.

## 2 Statistical presentation

The ADAM data bank contains a comprehensive, coherent, and comparatively detailed set of key economic indicators for Denmark. The bank contains more than 3,000 indicators on an annual basis, extending back to 1966 (major series to 1947). The time series are consistent and are adjusted for any data breaks in series, since they have been constructed for purposes of estimation and modelling. The data bank covers, in particular, national accounts, government finance statistics, capital stocks, labour market, and financial data. Series such as production, employment, earnings, other income, taxes, intermediate consumption etc. are available for 12 branches of production; foreign trade for 7-10 groups (extended 1-digit SITC); consumption is available for 9 groups. As a main rule, such series are given at current prices as well as by means of chainlinked-quantity indices, 2005 prices.

### 2.1 Data description

The databank covers a broad range of socio-economic macro variables which are relevant for a complete description of the Danish economy.

The main tool to look up variables in the databank is provided by the so-called [equation browser \(pt. only available in Danish\)](#)

### 2.2 Classification system

The current classifications used in ADAM are defined in [working papers \(pt only available in Danish\)](#).

[Industrial classification](#)

[Consumption classification](#)

[Classification of gross capital formation](#)

[Classification of foreign trade products](#)

### 2.3 Sector coverage

Not available at present.

### 2.4 Statistical concepts and definitions

Not available at present.

## **2.5 Statistical unit**

Not available at present.

## **2.6 Statistical population**

Not available at present.

## **2.7 Reference area**

Denmark

## **2.8 Time coverage**

In general: 1966-

For institutional sectors: 1995-

For financial accounts: 1995-

## **2.9 Base period**

2010

## **2.10 Unit of measure**

Monetary values: millions of Danish kroner.

Number of persons: 1000 persons

Prisindex: decimal number, with value 1 in basis year.

## **2.11 Reference period**

The variables in the data bank have the calendar year as reference period. Stocks have December 31 as reference point in time. Prices, interest rates and employment figures are generally annual averages.

## **2.12 Frequency of dissemination**

The data bank is updated following national accounts updates, usually three times a year (March/April, June/July and November)

### **2.13 Legal acts and other agreements**

None specific to this product.

Presently the databank is not under regulation by the EU.

### **2.14 Cost and burden**

The data sources of the databank are compiled by other divisions of Statistics Denmark, or by other government authorities. The direct response burden is zero.

### **2.15 Comment**

The data bank is presently only available by subscription. [Look](#)

General information, etc. is available online from [ADAM's homepage](#)

## **3 Statistical processing**

Not available at present.

### **3.1 Source data**

The ADAM data bank is set up through the collection and, if relevant, balancing of statistics published elsewhere; the main sources are the national accounts (including government finance statistics), labour market data and financial data. The time series have been corrected for breaks etc. and are documented in ADAM working papers.

### **3.2 Frequency of data collection**

Not available at present.

### **3.3 Data collection**

Not relevant.

### **3.4 Data validation**

Not available at present.

### **3.5 Data compilation**

Not available at present.

### **3.6 Adjustment**

Not available at present.

## **4 Relevance**

The databank includes the most relevant data for a complete description the Danish economy at an aggregate level.

Users are regularly encouraged to forward comments. Comments with observations and requests are processed quickly, and if these are deemed relevant for most users, new variables or corrections of preliminary values are included in the databank.

### **4.1 User Needs**

Users: Any person or institution interested in annual Danish economic data. Application areas: General analysis of the Danish economy, in particular over long time periods.

### **4.2 User Satisfaction**

During the period when revision of the databank is taking place after its first release we receive feedback from a number of users. This feedback may help in identifying errors and inconsistencies before this version of the databank is finalised.

Two committees of user representatives, Advisory Committee on Economic Statistics and Advisory Committee on ADAM, give more general feedback on the (status of the) databank.

### **4.3 Data completeness rate**

## **5 Accuracy and reliability**

The number of variables in the data bank make a complete table of sources of inaccuracy impractical. Users are referred to the source data, which variable by variable should be available from the so called [equation browser \(Danish descriptive text\)](#).

There are no available figures of measures of accuracy.

### **5.1 Overall accuracy**

A single measure of accuracy is not available. The data bank contains many differently defined variables, of which many are aggregates of published figures. For each the accuracy of the data source should be found in the quality declaration of the source statistic.

For certain variables their values for "preliminary" years have been estimated using a variety of methods to arrive at breakdowns from published aggregates. For these variables measures of accuracy are not available. "Preliminary" and "final" applied to years follow the practice in the publications of the national accounts.

## **5.2 Sampling error**

Not relevant for this statistic.

## **5.3 Non-sampling error and A4. Unit non-response - rate for U and A5. Item non-response - rate for U**

Not relevant for this statistic.

## **5.4 Quality management**

Statistics Denmark follows the recommendations on organisation and management of quality given in the Code of Practice for European Statistics (CoP) and the implementation guidelines given in the Quality Assurance Framework of the European Statistical System (QAF). A Working Group on Quality and a central quality assurance function have been established to continuously carry through control of products and processes.

## **5.5 Quality assurance**

Statistics Denmark follows the principles in the Code of Practice for European Statistics (CoP) and uses the Quality Assurance Framework of the European Statistical System (QAF) for the implementation of the principles. This involves continuous decentralized and central control of products and processes based on documentation following international standards. The central quality assurance function reports to the Working Group on Quality. Reports include suggestions for improvement that are assessed, decided and subsequently implemented.

## **5.6 Quality assessment**

Please refer to the source statistics.

## **5.7 Data revision - policy**

Statistics Denmark revises published figures in accordance with the [Revision Policy for Statistics Denmark](#). The common procedures and principles of the Revision Policy are for some statistics supplemented by a specific revision practice.

## **5.8 Data revision practice**

The data revision of different parts of ADAM's databank reflects the data revision of the corresponding source statistics: the national accounts, government finance statistics, foreign trade statistics, etc..

## **6 Timeliness and punctuality**

Reflects the main source of data: the national accounts.

## **6.1 Timeliness and time lag - final results**

The data bank in its final version is usually published within three to four weeks of the release of new or revised annual national accounts figures; a preliminary version is usually available one week after the publishing of national accounts.

## **6.2 Punctuality**

The first (preliminary) version of the data bank is published within a week of the publication of its main data source (the national accounts).

## **7 Comparability**

Not relevant for this statistic.

### **7.1 Comparability - geographical**

Not relevant for this statistic.

### **7.2 Comparability over time**

For the data bank it is a principle that we strive to correct for breaks in the source data.

### **7.3 Coherence - cross domain**

The objective of the data bank is to include variables which reflect what they aim to measure as accurately as possible, as its variables are used to estimate behavioral equations.

Variables such as production, consumption and foreign trade etc. have figures which coincide with the same in the national accounts.

Variables covering the government and financial sectors generally coincide with figures published by the division Government Finances (of Statistics Denmark).

### **7.4 Coherence - internal**

Full.

## **8 Accessibility and clarity**

New and revised data banks are distributed by e-mail.

The data bank is supplied with documentation in PC-Axis format; other formats such as SAS, AREMOS or spreadsheets can be provided.

### **8.1 Release calendar**

The publication date appears in the release calendar. The date is confirmed in the weeks before.

### **8.3 User access**

Statistics are always published at 9:00 a.m. at the day announced in the release calendar. No one outside of Statistics Denmark can access the statistics before they are published. Theme publications etc. may be published at other times of the day. The National Statistician can decide that such publications may be released before their official publication time, e.g. to the media and other stakeholders.

### **8.2 Release calendar access**

[Release Calendar](#)

### **8.4 News release**

### **8.5 Publications**

### **8.6 On-line database**

### **8.7 Micro-data access**

### **8.8 Other**

### **8.9 Confidentiality - policy**

ADAM's databank only includes published statistics. No additional confidentiality considerations are necessary.

### **8.10 Confidentiality - data treatment**

Not relevant for this statistic.

### **8.11 Documentation on methodology**

Documentation is given in the [equation browser \(Danish language descriptions\)](#) or the [ADAM book](#)

### **8.12 Quality documentation**

Results from the quality evaluation of products and selected processes are available in detail for each statistics and in summary reports for the Working Group on Quality.

## **9 Contact**

Administratively the databank is the responsibility of the division Economic Modelling.

The person to refer to is Michael Osterwald-Lenum, phone +4539173205, e-mail: mol@dst.dk

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