

**Documentation of statistics for  
Cultural Business Structure and Labour Market 2017**

## 1 Introduction

The purpose of the statistics is to analyze workplaces as well as persons employed within the cultural sector. The statistics is compiled from 2008 and is published annually.

## 2 Statistical presentation

The statistics on Cultural Business Structure and Labour Market are compiled annually and provide data on workplaces and persons employed in the cultural sector. Detailed results are disseminated through a number of tables in StatBank Denmark and main results and links to tables can be accessed at the subject page for economic conditions for culture as well as in the annual publication Culture (from 2015 and onwards).

### 2.1 Data description

The statistics on cultures business structure are compiled annually and provide data on workplaces, jobs and persons employed in the cultural sector. Information on persons is derived partly from the Register-based Labour Force Statistics and partly from the Personal Statistics Database. Information is available with regard to sex, age, origin, and highest level of education attained. Moreover, the statistics comprise the number of workplaces and number of jobs at the end of November, number of jobs converted into full time employment and aggregate payroll costs within the cultural sector.

### 2.2 Classification system

The cultural sector is defined by a number of 6-digit economic activity codes that have been assigned cultural domains and furthermore delimited into core and support activities, refer to document on Delimitation of economic activities [Delimitation of activities](#). The statistic follows the [Danish Industrial Classification of all Economic Activities 2007](#). Cultural educations are based on a list from the Ministry of Culture of selected cultural educational institutions providing artistic and cultural vocational educations, refer to the [list of cultural educational institutions](#)

### 2.3 Sector coverage

The statistics covers the cultural sector. The cultural sector is defined by a number of 6-digit economic activity codes, refer to document on Delimitation of economic activities [Delimitation of activities](#).

## **2.4 Statistical concepts and definitions**

**Workplaces (Establishments):** An establishment (workplace) is defined as an organizational unit of an enterprise, which is located at a specific address. The statistics comprises all establishments (workplaces) with jobs at the end of November. Only workplaces linked to real active companies are included.

**Full-time employees:** The number of employees in full-time equivalents at the workplace during the year. The number of employees in full-time equivalents is calculated by setting the hours paid in proportion to the maximum number of hours of paid work during the year with a weekly employment of 37 hours (1,924 hours).

**Payroll:** Compensation for employees include A-income from which labour market contribution are paid. Compensation of employees also include ATP-contributions (Danish Labour Market Supplementary Pension Scheme) and the taxable value of fringe benefits. Also included are the total actual contributions to pension schemes from the Central Pensions System operated by the Danish tax authorities. Reimbursement of maternity and sickness benefits for the employer are not part of compensation of employees.

**Jobs:** The number of jobs corresponds to all jobs at each establishment at the end of November, irrespective of the jobs being primary, secondary or primary jobs, etc.

**Persons:** Information linked to the persons is derived partly from the Register-based Labour Force Statistics and partly from registers in the system for statistics on persons. Information is available with regard to sex, age and highest level of education completed and information on origin. In compiling the person variable, persons who have more than one job in the cultural sector will only be counted once.

## **2.5 Statistical unit**

Persons, jobs and workplaces.

## **2.6 Statistical population**

The population is every workplace within the cultural sector and the persons employed there

## **2.7 Reference area**

Denmark.

## **2.8 Time coverage**

The statistics covers the period from 2008 and onwards.

## **2.9 Base period**

Not relevant for these statistics.

## **2.10 Unit of measure**

The statistics describe the payroll (wage and salary costs in mio. DKK), number of full-time employees, number of workplaces (establishments) and jobs (end of November), and the number and characteristics of employees in the cultural sector.

## **2.11 Reference period**

Workplaces and jobs: End of November in the reference year. Full-time employed and aggregate payroll costs: Calendar reference year. Personal information relates to the population resident in Denmark on 1 January with information on attachment to the cultural sector at the end of November of the previous year.

## **2.12 Frequency of dissemination**

Statistics are published annually.

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

Data are drawn from other public authorities and existing registers and data collection is based on Act on Statistics Denmark section 6.

## **2.14 Cost and burden**

The statistics is based on register data. The response burden is therefore zero. Data is collected by Statistics Denmark during compilation of other statistics.

## **2.15 Comment**

Please refer to the subject page of the statistics [Culture, education and employment](#).

## **3 Statistical processing**

The statistics is based on edited register data from the Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography. The delimitation of the relevant economic activities is described in the document [Delimitation of activities for culture's business structure and labour market statistics](#).

### **3.1 Source data**

The primary data are obtained from the Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography. Refer to the relevant Documentation of statistics for supplementary documentation.

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

Annual.

### **3.3 Data collection**

Data are collected from administrative registers.

### **3.4 Data validation**

Data validation has been performed in the relevant source registers, refer to the relevant Documentation of statistics.

### **3.5 Data compilation**

Basic data is taken from validated and edited sources. The delimitation of activities is based on the recommendations from Eurostat and has, in cooperation with the Danish Ministry for Culture, been adapted to a Danish context. It is based on the 4-digit NACE codes, while this delimitation is based on the 6-digit Danish Industrial Classification of All Economic Activities. A list of relevant economic activities are shown in the document [Delimitation of activities for culture's business structure and labour market statistics](#). For the economic activities 90.01.10 (Theatres and concerts), 90.01.20 (Activities of individual artists), and 90.04.00 (Operation of arts facilities), the correct placement within Music or Performing Arts is based on a professional assessment. Based on the delimitation, the population is defined using the Establishment-related Business Statistics with respect to Enterprise Economic Unit (ØK\_nr) and Workplace (ARB\_nr). Employees are linked to these unit numbers by using de-identified personal identification numbers (PERSON\_ID) and are linked to register data on educational attainment, educational institutions, and age, gender and origin. Information on start-up companies are retrieved from the Business Demography register from the unit number ØK\_nr.

### **3.6 Adjustment**

No corrections to data is made other than those already described under Data Validation and Data Compilation.

## **4 Relevance**

The statistics is accessible for everybody and can be used for summaries of the demography, educational status and employment within the cultural sector.

### **4.1 User Needs**

Users: Municipalities, regions, ministries, international organizations, private businesses and private individuals. Fields of application: Public and private planning purposes and research purposes.

## **4.2 User Satisfaction**

No measures to determine user satisfaction have been performed.

## **4.3 Data completeness rate**

The statistics is not governed by any EU regulation but follows guidelines from Eurostat.

## **5 Accuracy and reliability**

The statistics is based on validated data from Statistics Denmark's central registers assessed to be of high quality, refer to the documentations of statistics for Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography. No actual measurement of the quality and no calculations on measures of accuracy has been performed.

### **5.1 Overall accuracy**

The statistics are based on primary data that has been edited in the process of producing other statistics, and the resulting quality is therefore regarded as being good. For an assessment of the overall accuracy, refer to the documentations of statistics for Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography.

### **5.2 Sampling error**

Not relevant for these statistics.

### **5.3 Non-sampling error**

For an assessment of the non-sampling errors, refer to the documentations of statistics for Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography.

Private as well as public employers are obliged to report data to e-Income relating to the workplace at which the job takes place. With respect to the municipal sector, the data reports are particularly inadequate for 2008-2010. Against this background, it has been necessary for Statistics Denmark to conduct major rectifications of the data with respect to distributing the statistics by geographic areas and detailed activities. However, the quality will never be the same unless the necessary data reports had been rectified by the employer. The measure sources of inaccuracy are, especially linked to the distribution of jobs in the municipal sector classified by activity. There are, in particular, uncertainty with regard to whether a person is employed in administration or not, whether a person is employed in teaching in the primary and lower secondary school or in teaching not further specified, or whether a person is working in a nursing home or within home help. There is also uncertainty with regard to the distribution of jobs by municipality of the workplace.

#### **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**

The statistics is based on edited data from Statistics Denmark's central registers, and is therefore assessed to be of high quality. No actual measurement of the quality and no calculations on measures of accuracy has been performed. For an assessment of total quality, refer to the documentations of statistics for Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography.

#### **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**

Only final figures are published.

### **6 Timeliness and punctuality**

The statistics is published 20 months after the end of the reference period awaiting the compilation of source register data. It is a fairly new statistics that has been published punctually.

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

The statistics has a publication time of 20 months the end of the reference period and it is published annually, approximately 4 months after publication of the Establishment-related Business Statistics and the Register-based Labour Force Statistics.

## 6.2 Punctuality

No delays with respect to announced publication dates have been experienced in the lifetime of the statistics.

## 7 Comparability

The current time series starts in 2008 and is without any data breaks. The statistics can be compared to selected results from the Establishment-related Business Statistics, the Register-based Labour Force Statistics, Educational Attainment, and Business Demography. Eurostat and Unesco regularly publish reports on the same subject matters as this statistics.

### 7.1 Comparability - geographical

The statistics is not covered by any EU-regulations. UNESCO has published two relevant international comparison studies, one study is on [the economic contribution of culture and another study on employment in culture](#). Eurostat publishes [Culture statistics - 2016 edition](#) with a selection of indicators on culture pertaining topics e.g. cultural employment and cultural enterprises. The publication's chapters 2 and 3 are especially relevant to Cultural Business Structure and Labour Markets.

### 7.2 Comparability over time

The time series covers the period from 2008 and onwards and is without any data breaks in the entire period.

### 7.3 Coherence - cross domain

The statistics is compiled on the basis of the Establishment-related Business Statistics, the Register-based Labour Force Statistics, Business Demography, Population and Educational Attainment.

### 7.4 Coherence - internal

Internal coherence is achieved by the use of Statistics Denmark's statistical units across source register, refer to section on Data Compilation.

## 8 Accessibility and clarity

These statistics are published annually in the StatBank under the subject [Culture, education and employment](#). For further information, go to the subject page on [Culture, economy and structure](#).

### 8.1 Release calendar

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

### 8.2 Release calendar access

The Release Calendar can be accessed on our English website: [Release Calendar](#).



### **8.3 User access**

Statistics are always published at 8:00 a.m. at the day announced in the release calendar. No one outside of Statistics Denmark can access the statistics before they are published.

### **8.4 News release**

These statistics were until 2015 (for the year 2013) published annually in a Danish press release.

### **8.5 Publications**

Detailed results are disseminated in the annual publication Culture (from 2015 and onwards).

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

The statistics are published in the StatBank under the subject [Culture, education and employment](#) in the following tables:

- [KUIV1](#): Cultural Business Demography by cultural domains, unit and time
- [KUIV2](#): Cultural Business Demography by area, unit and time
- [KUERH1](#): Cultural business structure by cultural domains, activity, unit and time
- [KUERH2](#): Cultural business structure by region, activity, unit and time
- [KUERH3](#): Cultural workplaces (ultimo November) by cultural domains, activity, size and time
- [KUARB1](#): Employees in cultural sector by sex, cultural domains, education and time
- [KUARB2](#): Employees in cultural sector by cultural domains, age, ancestry and time
- [KUARB3](#): Employees in cultural sector by sex, cultural domains, type of job and time

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

Not relevant for these statistics.

### **8.8 Other**

Not relevant for these statistics.

### **8.9 Confidentiality - policy**

[Data Confidentiality Policy](#) at Statistics Denmark.

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

Confidentiality is achieved by deletion of individual data cells on the principles of dominance and minimum requirements. Furthermore, additional data cells are deleted to avoid identification of confidential data from computations using totals and subtotals.

## **8.11 Documentation on methodology**

A description of the compilation method for the Establishment-related Business Statistics is available in the annual article in *Statistiske efterretninger* (Statistical News). Each variable is described in Statistics Denmark's documentation system. The delimitation of the relevant economic activities is described in the document [Delimitation of activities for culture's business structure and labour market statistics](#).

## **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**

The administrative placement of this statistic is in the division of National Accounts. The person responsible is Henrik Huusom, tel. +45 39 17 38 66, e-mail: [hhu@dst.dk](mailto:hhu@dst.dk)

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