

EUSKAL ESTATISTIKA ERAKUNDEA

BASQUE STATISTICS INSTITUTE

Microdata from the 2023 Information Society Companies survey

Description of file

CONTENTS

[1. Introduction 2](#_Toc23325976)

[2. Criteria for selection of variables 2](#_Toc23325977)

[2.1 Confidentiality criteria 2](#_Toc23325978)

[2.2 Quality criteria 2](#_Toc23325979)

[2.2.1 Relevance 3](#_Toc23325980)

[2.2.2 Precision and reliability 3](#_Toc23325981)

[3. Registry design 3](#_Toc23325982)

[4. Description of variables 3](#_Toc23325983)

[APPENDIX 1. 4](#_Toc23325984)

1. Introduction

The Information Society Survey-ISS-Companies statistical operation provides periodic information with regards to the implantation of new Information and Communication technologies (ICT) in Basque Country companies. The data is collected at the establishment level.

The files for the Information Society-Companies (ISSC 2023) survey constitute a product for circulation directed at users with experience in the analysis and processing of microdata. This format provides an added value to users, permitting them to carry out data exploitation and analysis that, for obvious limitations, cannot be covered by current circulation in the form of tables, publications and reports.

This report describes the microdata file for establishments and their characteristics, which is based on the usefulness and quality of the information that is to be included, as well as the interest it may have for the generic user.

2. Criteria for selection of variables

This file contains a selection of variables collected in the survey for the selected establishment and its characteristics. The selection of variables has been carried out based on criteria for both confidentiality and quality, which are detailed below:

2.1 Confidentiality criteria

Maintaining the statistical secrecy of the informants is one of the main premises that govern this statistical activity. Therefore, the dissemination of any individual information collected under statistical secrecy must be carried out anonymously and in such a way that it cannot be associated with any specific company, not even via the content or disaggregation of the disseminated variables.

Therefore, in order to guarantee this safeguard, the following restrictions have been applied to the ISSC 2023 file:

* Under no circumstances are direct identification variables or data of a personal nature (national identity document, name, surname, addresses, telephone numbers, etc.) to be included.
* The maximum geographic disaggregation included is the province.
* The only numeric variables included pertain to the personal elevator.

2.2 Quality criteria

Data quality is one of the aspects to consider in the analysis and treatment of statistical products. The quality of statistical products can be defined in terms of certain quality factors promulgated by EUROSTAT: Suitability, precision and reliability, opportunity and punctuality, consistency and comparability, accessibility and clarity.

In this case and to select the variables to be included in the ISSC 2023 microdata file, we have focused on the first two aspects such as relevance: appropriateness (relevance or interest of the data for the end user); and the accuracy and reliability of the information.

2.2.1 Relevance

Given the large quantity of variables collected by the survey we have tried to include those assumed to be of greater interest and relevance to the generic user.

2.2.2 Precision and reliability

The main limitation in any survey by sample is due to the availability of information solely for the sample units and not for the total objective population. The sampling design of the survey will shed light on the level of representativeness that can be achieved with the information collected.

In the case of the ISSC the sample of companies is chosen systematically by Province. For the main variables and crosses of the survey the level of representation required is Provincial. However, the large number of variables and the high level of detail that can be achieved with the variables included in this file do not guarantee the statistical significance of all the operations or analyses that can be performed on this data.

The conclusions derived from studies or analyses performed on this data are the responsibility of the end user. Nevertheless, to give an idea of the quality of the information for a specific cross or disaggregation it is recommended that you consult the tables of survey sampling errors and the corresponding sampling errors calculation report, which show recommendations regarding acceptable levels of sampling error.

<http://en.eustat.eus/estadisticas/tema_471/opt_0/ti_Companies/temas.html>

<http://www.eustat.es/document/datos/Calculo_errores_ESIE_i.pdf>

3. Registry design

The ISSC 2022 microdata file is in CSV format and is structured around the thematic areas collected by the survey for this statistical unit.

4. Description of variables

Includes the literals corresponding to the coding of each of the variables included in the file. See Appendix.

**APPENDIX 1.**

**DESCRIPTION OF THE FILE: MICRODATOS\_ESIE\_2023.CSV**

1. Numbering

NUMBERING

1. Year surveyed

YEAR

1. Province

EEM\_ESTR\_THL

1 Álava

2 Bizkaia

3 Gipuzkoa

1. Economic activity of the establishment

CNAE09\_P

02 Extractive Industries, Coke Plants and Oil Refining

03 Food, Beverages & Tobacco Industries

04 Textile, Garments, Leather & Footwear

05 Timber, Paper & Graphic Arts

06 Chemical Industry & Pharmaceutical Products

07 Rubber & Plastics

08 Metallurgy & Metal Products

09 Electronic & Computer Products Electrical Material & Equipment

10 Machinery & Equipment

11 Transport material

12 Furniture & Other Manufacturing Industries

13 Electricity, Gas & Steam

14 Water Supply & Sewage

15 Construction

16 Trade, Repair of Motor Vehicles

17 Transport & Storage

18 Hostelry

19 Telecommunications, Computer Science & Communication Media

20 Financial & Insurance Activities

22 R&D, Consultancy and Other Professional & Technical Activities

23 Real Estate Activities & Support Services

24 Travel Agencies & Tour Operators

25 Public Administration & Defence

26 Education

27 Healthcare Activities

28 Social, Recreational, Cultural & Other Activities

1. Employment in the establishment

EEM\_ESTR\_AGR\_ESTEMP

1 < 10 employees

2 >= 10 employees

1. Computers

A12

0 No

1 Yes

1. Internet

A16

0 No

1 Yes

1. Fixed broadband Internet connections

B11

0 No

1 Yes

1. Mobile broadband Internet connections

B12

0 No

1 Yes

1. Electronic data interchange (EDI)

B33

0 No

1 Yes

1. Remote access to the enterprise systems

B34

0 No

1 Yes

1. Social media use

B35

0 No

1 Yes

1. Cloud computing use

B36

0 No

1 Yes

1. Payment of Internet advertisements

B37

0 No

1 Yes

1. Use of mobile services

B38

0 No

1 Yes

1. Conduct remote meetings (via e.g. Skype, Zoom, Teams, etc.)

B39

0 No

1 Yes

1. On-line procedures carried out with Public Administration

B4

0 No

1 Yes

1. To obtain information

B41

0 No

1 Yes

1. To obtain printed matter and forms

B42

0 No

1 Yes

1. To submit printed matter and completed forms

B43

0 No

1 Yes

1. To process a fully electronic administrative procedure

B44

0 No

1 Yes

1. To submit bids in an e-procurement system

B45

0 No

1 Yes

1. To report social security contributions of employees

B46

0 No

1 Yes

1. For corporation tax return

B47

0 No

1 Yes

1. For valued added tax (VAT) return

B48

0 No

1 Yes

1. For custom duties or special levies returns

B49

0 No

1 Yes

1. Other process or services

B4110

0 No

1 Yes

1. Website

C1

0 No

1 Yes

1. Web language: Basque

C21

0 No

1 Yes

1. Web language: Spanish

C22

0 No

1 Yes

1. Web language: English

C23

0 No

1 Yes

1. Web language: other

C24

0 No

1 Yes

1. General company information

C31

0 No

1 Yes

1. List or catalogue of products or services

C32

0 No

1 Yes

1. Reception of orders or reservations on-line

C33

0 No

1 Yes

1. Direct payment of products/services

C34

0 No

1 Yes

1. Follow up to orders

C35

0 No

1 Yes

1. After sales service

C36

0 No

1 Yes

1. Links to company profiles on social media

C37

0 No

1 Yes

1. Statement of information privacy

C38

0 No

1 Yes

1. Information on job offers

C39

0 No

1 Yes

1. Content customization for regular users

C310

0 No

1 Yes

1. Accessibility for individuals with a disability

C311

0 No

1 Yes

1. Possibility for users to personalise or design products

C312

0 No

1 Yes

1. Chats to contact customers

C313

0 No

1 Yes

1. Purchase products online last year

D1

0 No

1 Yes

1. Electronic purchases as percentage of total purchases last year

D3

1. Sale of products online last year

E1

0 No

1 Yes

1. Electronic sales as percentage of total sales last year

E3

1. Software to exchange of information between different departments within the company

F1

0 No

1 Yes

1. Enterprise Resource Planning software (ERP)

F11

0 No

1 Yes

1. Customer Relations Management software (CRM)

F12

0 No

1 Yes

1. Supply Chain Management software (SCM)

F13

0 No

1 Yes

1. Business Intelligence (BI) software

F14

0 No

1 Yes

1. Automatic exchange of information on the supply chain with suppliers and customers

F2

0 No

1 Yes

1. Use of specific applications to give employees access to human resource services

F3

0 No

1 Yes

1. Internet of things (IoT)

H1

0 No

1 Yes

1. Big data analysis last year

I1

0 No

1 Yes

1. Secure password

J11

0 No

1 Yes

1. Updated software

J12

0 No

1 Yes

1. Biometric identification

J13

0 No

1 Yes

1. Data encryption

J14

0 No

1 Yes

1. External backups

J15

0 No

1 Yes

1. Network access control

J16

0 No

1 Yes

1. Virtual private network VPN

J17

0 No

1 Yes

1. Use of secure protocols (SSL/TLS) for receiving online orders

J18

0 No

1 Yes

1. Percentage of ICT users

K11

1. ICT users have received ICT related training

K111

0 No

1 Yes

1. Percentage of ICT specialists

K12

1. ICT specialists have received ICT related training

K121

0 No

1 Yes

1. There are vacancies for ICT specialists difficult to fill

K122

0 No

1 Yes

1. Percentage of employees with portable devices that allow a mobile Internet connection for professional use

K13

1. Percentage of teleworkers

K14

1. open-source software use

N1

0 No

1 Yes

1. Use of 3D printers last year

O1

0 No

1 Yes

1. Use of robotics last year

P1

0 No

1 Yes

1. Size elevator

ELEVADOR\_TAMAÑO