



Microdata from the 2018 Information Society Companies survey  
Description of file

## CONTENTS

|  |          |
|--|----------|
| <b>1. Introduction .....</b>                       | <b>2</b> |
| <b>2. Criteria for selection of variables.....</b> | <b>2</b> |
| 2.1 Confidentiality criteria.....                  | 2        |
| 2.2 Quality criteria .....                         | 2        |
| 2.2.1 Relevance.....                               | 3        |
| 2.2.2 Precision and reliability.....               | 3        |
| <b>3. Registry design .....</b>                    | <b>3</b> |
| <b>4. Description of variables.....</b>            | <b>3</b> |
| <b>APPENDIX 1. ....</b>                            | <b>4</b> |

## **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 2018) 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 2018 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 2018 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://en.eustat.eus/estadisticas/tema_471/opt_0/ti_Companies/temas.html)

[http://www.eustat.es/document/datos/Calculo\\_errores\\_ESIE\\_i.pdf](http://www.eustat.es/document/datos/Calculo_errores_ESIE_i.pdf)

## **3. Registry design**

The ISSC 2018 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\_2018.CSV**

### **1. Numbering**

NUMBERING

### **2. Year surveyed**

YEAR

### **3. Province**

EEM\_ESTR\_THL

- |   |          |
|---|----------|
| 1 | Álava    |
| 2 | Bizkaia  |
| 3 | Gipuzkoa |

### **4. 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

## 5. Employment in the establishment

EEM\_ESTR\_AGR\_ESTEMP

- 1 < 10 employees
- 2 >= 10 employees

## 6. Mobile telephone

A11

- 0 No
- 1 Yes

## **7. Computers**

A12

0 No

1 Yes

## **8. Company Computer Networks (LAN, etc.)**

A13

0 No

1 Yes

## **9. Computer Networks-Wireless Networks**

A131

0 No

1 Yes

## **10. Computer Networks-Virtual Private Networks (VPN) or Added Value Networks (VAN)**

A132

0 No

1 Yes

## **11. Electronic transfer of funds**

A14

0 No

1 Yes

## **12. Email**

A15

0 No



1 Yes

### **13. Internet**

A16

0 No

1 Yes

### **14. Fixed broadband Internet connections**

B11

0 No

1 Yes

### **15. Internet access via ADSL**

B113

0 No

1 Yes

### **16. Internet access via cable/fibre optics**

B114

0 No

1 Yes

### **17. Internet access via other fixed connections**

B115

0 No

1 Yes

### **18. Mobile broadband Internet connections**

B12

0 No

1 Yes

**19.Mobile Internet connection. Access using 3G mobile phone or higher**

B121

0 No

1 Yes

**20.Mobile Internet connection. Access using 3G modem or higher**

B122

0 No

1 Yes

**21. Intranet**

B31

0 No

1 Yes

**22.Extranet**

B32

0 No

1 Yes

**23.Electronic data interchange (EDI)**

B33

0 No

1 Yes

**24.Remote access to the enterprise systems**

B34

0 No

1 Yes

**25.Social media use**

B35

0 No

1 Yes

**26.Cloud computing use**

B36

0 No

1 Sí

**27.Payment of Internet advertisements**

B37

0 No

1 Sí

**28.On-line procedures carried out with Public Administration**

B4

0 No

1 Yes

**29.To obtain information**

B41

0 No

1 Yes

**30.To obtain printed matter and forms**

B42

0 No

1 Yes

**31.To submit printed matter and completed forms**

B43

0 No

1 Yes

**32.To process a fully electronic administrative procedure**

B44

0 No

1 Yes

**33.To submit bids in an e-procurement system**

B45

0 No

1 Yes

**34.To report social security contributions of employees**

B46

0 No

1 Yes

**35.For corporation tax return**

B47

0 No

1 Yes

**36.For valued added tax (VAT) return**

B48

0 No

1 Yes

**37.For custom duties or special levies returns**

B49

0 No

1 Yes

**38.Other process or services**

B4110

0 No

1 Yes

**39.Website**

C1

0 No

1 Yes

**40.Web language: Basque**

C21

0 No

1 Yes

**41.Web language: Spanish**

C22

0 No

1 Yes

**42.Web language: English**

C23

0 No

1 Yes

**43.Web language: other**

C24

0 No

1 Yes

**44.General company information**

C31

0 No

1 Yes

**45.List or catalogue of products or services**

C32

0 No

1 Yes

**46.Reception of orders or reservations on-line**

C33

0 No

1 Yes

**47.Direct payment of products/services**

C34

0 No

1 Yes

**48.Follow up to orders**

C35

0 No

1 Yes

**49.After sales service**

C36

0 No

1 Yes

**50.Links to company profiles on social media**

C37

0 No

1 Yes

**51.Statement of information privacy**

C38

0 No

1 Yes

**52.Information on job offers**

C39

0 No

1 Yes

**53.Content customization for regular users**

C310

0 No

1 Yes

**54.Accessibility for individuals with a disability**

C311

0 No

1 Yes

**55.Possibility for users to personalise or design products**

C312

0 No

1 Yes

**56.Purchase products online**

D1

0 No

1 Yes

**57.Electronic purchases as percentage of total purchases**

D3

**58.Sale of products online**

E1

0 No

1 Yes



**59.Electronic sales as percentage of total sales**

E3

**60Automatic exchange of information between different departments within the company**

F1

0 No

1 Yes

**61.Enterprise Resource Planning (ERP)**

F11

0 No

1 Yes

**62.Customer Relations Management (CRM)**

F12

0 No

1 Yes

**63.Supply Chain Management (SCM)**

F13

0 No

1 Yes

**64Automatic exchange of information on the supply chain with suppliers and customers**

F2

0 No

1 Yes

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

F3

0 No

1 Yes

**66. Secure servers**

J11

0 No

1 Yes

**67. Firewalls**

J12

0 No

1 Yes

**68. Encryption to ensure confidentiality**

J13

0 No

1 Yes

**69. External data backup**

J14

0 No

1 Yes

**70. Authentication mechanisms**

J15

0 No

1 Yes

**71.Electronic digital signature**

J151

0 No

1 Yes

**72.Other authentication mechanisms**

J152

0 No

1 Yes

**73.Stopping viruses or antivirus software**

J16

0 No

1 Yes

**74.Subscription to a security service**

J17

0 No

1 Yes

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

J18

0 No

1 Yes

**76.Use of protocols to analyse security incidents**

J19

0 No

1 Yes

**77.open-source software use**

N1

0 No

1 Yes

**78.Open-source software. Free or open operating systems, such as Linux...**

N11

0 No

1 Yes

**79.Open-source software. Web browsers**

N12

0 No

1 Yes

**80.Open-source software. Office programs**

N13

0 No

1 Yes

**81.Open-source software. Network server programs**

N14

0 No

1 Yes

**82.Open-source software. ERP or CRM applications**

N15

0 No

1 Yes

**83.Open-source software. Others**

N16

0 No

1 Yes

**84.Size elevator**

ELEVADOR\_TAMAÑO