



Microdata from the 2020 Information Society Companies survey
Description of file

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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 2020) 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 2020 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 2020 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 2020 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_2020.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 Yes

27.Payment of Internet advertisements

B37

0 No

1 Yes

28.Use of mobile services

B38

0 No

1 Yes

29.On-line procedures carried out with Public Administration

B4

0 No

1 Yes

30.To obtain information

B41

0 No

1 Yes

31.To obtain printed matter and forms

B42

0 No

1 Yes

32.To submit printed matter and completed forms

B43

0 No

1 Yes

33.To process a fully electronic administrative procedure

B44

0 No

1 Yes

34.To submit bids in an e-procurement system

B45

0 No

1 Yes

35.To report social security contributions of employees

B46

0 No

1 Yes

36.For corporation tax return

B47

0 No

1 Yes

37.For valued added tax (VAT) return

B48

0 No

1 Yes

38.For custom duties or special levies returns

B49

0 No

1 Yes

39.Other process or services

B4110

0 No

1 Yes

40.Website

C1

0 No

1 Yes

41.Web language: Basque

C21

0 No

1 Yes

42.Web language: Spanish

C22

0 No

1 Yes

43.Web language: English

C23

0 No

1 Yes

44.Web language: other

C24

0 No

1 Yes

45.General company information

C31

0 No

1 Yes

46.List or catalogue of products or services

C32

0 No

1 Yes

47.Reception of orders or reservations on-line

C33

0 No

1 Yes

48.Direct payment of products/services

C34

0 No

1 Yes

49.Follow up to orders

C35

0 No

1 Yes

50.After sales service

C36

0 No

1 Yes

51.Links to company profiles on social media

C37

0 No

1 Yes

52.Statement of information privacy

C38

0 No

1 Yes

53.Information on job offers

C39

0 No

1 Yes

54.Content customization for regular users

C310

0 No

1 Yes

55.Accessibility for individuals with a disability

C311

0 No

1 Yes

56.Possibility for users to personalise or design products

C312

0 No

1 Yes

57.Purchase products online last year

D1

0 No

1 Yes

58.Electronic purchases as percentage of total purchases last year

D3

59.Sale of products online last year

E1

0 No

1 Yes

60.Electronic sales as percentage of total sales last year

E3

61.Automatic exchange of information between different departments within the company

F1

0 No

1 Yes

62.Enterprise Resource Planning (ERP)

F11

0 No

1 Yes

63.Customer Relations Management (CRM)

F12

0 No

1 Yes

64.Supply Chain Management (SCM)

F13

0 No

1 Yes

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

F2

0 No

1 Yes

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

F3

0 No

1 Yes

67. Internet of things (IoT)

H1

0 No

1 Yes

68. Big data analysis last year

I1

0 No

1 Yes

69. Secure password

J11

0 No

1 Yes

70. Updated software

J12

0 No

1 Yes

71. Biometric identification

J13

0 No

1 Yes

72. Data encryption

J14

0 No

1 Yes

73. External backups

J15

0 No

1 Yes

74. Network access control

J16

0 No

1 Yes

75. Virtual private network VPN

J17

0 No

1 Yes

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

J18

0 No

1 Yes

77. Percentage of ICT users

K11

78. ICT users have received ICT related training

K111

0 No

1 Yes

79. Percentage of ICT specialists

K12

80. ICT specialists have received ICT related training

K121

0 No

1 Yes

81. There are vacancies for ICT specialists difficult to fill

K122

0 No

1 Yes

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

K13

83. Percentage of teleworkers

K14

84.open-source software use

N1

0 No

1 Yes

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

N11

0 No

1 Yes

86.Open-source software. Web browsers

N12

0 No

1 Yes

87.Open-source software. Office programs

N13

0 No

1 Yes

88.Open-source software. Network server programs

N14

0 No

1 Yes

89.Open-source software. ERP or CRM applications

N15

0 No

1 Yes

90.Open-source software. Others

N16

0 No

1 Yes

91. Use of 3D printers last year

O1

0 No

1 Yes

92. Use of robotics last year

P1

0 No

1 Yes

93.Size elevator

ELEVADOR_TAMAÑO