

## Detailed domain methodologies (by subject area in business statistics)

### Preface

This chapter provides an overview of detailed domain methodologies in the field of business statistics, broken down by the following main subject areas:

1. short-term statistics
2. country-level business statistics
3. regional business statistics
4. statistics on international activities.

Each of the 4 subject areas is further broken down into topics in varying degrees of detail. Some topics, such as business population and labour inputs, are common to all 4 areas; however, most are specific to one particular area.

The methodologies listed in this chapter are based on the situation in 2016. Over 2017-2019, some will be updated or redesigned in order to:

- take account of changes in the Framework Regulation Integrating Business Statistics (FRIBS)
- make the chapter more consistent with the general European Business Statistics Manual that is currently being developed.

This chapter is part of the online [European Business Statistics Manual](#) (EBS Manual). In addition to providing this specific information, the Manual gives a comprehensive overview of cross-domain methodologies and metadata for business statistics.

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## 1. Introduction

This chapter covers the full list of detailed domain methodologies broken down by subject area.

Business statistics fall into 4 main subject areas:

1. **short-term** business statistics (monthly and quarterly)
2. **country-level** business statistics (annual)
3. **regional** business statistics (annual)
4. statistics on **international** activities (monthly and annual).

These are the key areas of interest from the point of view of end-users.

The detailed methodologies, however, have been developed primarily from the point of view of data compilers — that is by groups, or domains, of statistics which essentially follow the same statistical production rules. As this chapter focuses primarily on user-oriented subject areas, the ‘detailed domain methodologies’ are referred to simply as ‘methodologies’.

A number of methodologies cover 2 or more subject areas (see section 2). However, most are specific to one subject area. These are listed in section 3.

This list of methodologies reflects the state of play in mid-2017. Many of them are dealt with in publications covering both subject-specific information and generic aspects that are common to other subject areas, such as the Business Register, statistical units and classifications. As these generic aspects, which are described in the online [EBS manual](#), are applicable to all subject areas and are regularly updated, some methodologies may benefit in future from links to the generic sections of the EBS manual. Future developments to improving consistency between detailed domain methodologies and the EBS manual are dealt with in section 4, along with other changes to and updates of the manuals.

## 2. Methodologies shared by 2 or more subject areas

What the subject areas covered by business statistics have in common is that they all provide statistical information on the **business** population, such as numbers of enterprises. Because of this, and also because the business population is an object of observation for business statistics in general, it is very important to be consistent in applying the same methodology across all subject areas. The [Eurostat/OECD Manual on business demography statistics](#) sets out detailed guidelines.

**Foreign affiliates** are a special subgroup of the business population. A foreign affiliate is defined as an enterprise resident in the compiling country over which an institutional unit not resident in the compiling country has control (**inward affiliates**), or an enterprise not resident in the compiling country over which an institutional unit resident in the compiling country has control (**outward affiliates**).

In a number of subject areas, statistics are also compiled for foreign affiliates; they are known as Foreign Affiliates Statistics (FATS). Detailed FATS methodologies are set out in the [FATS Recommendations Manual](#) (2012). Some FATS guidelines were changed in preparation for Croatia's joining the EU in 2013. The 2012 FATS manual was not amended to include these changes. Instead, they are described separately in a [section on Inward FATS](#) (pdf) and another on [Outward FATS](#).

## 3. Methodologies specific to one subject area

For each subject area, there are a number of guides that are applicable to several topics. These cross-topical methodologies are listed first in the inventories below, followed by methodologies that are specific to a topic or detailed topic.

If there is no mention of any methodology for a specific detailed topic, please check the cross-topical guides, which often contain various topic-specific sections.

## Subject area 1. Short-term statistics

### Cross-topical methodologies:

[ESS guidelines on seasonal adjustment \(2015 Edition\)](#)

[Methodology of short-term business statistics - Interpretation and guidelines \(2006 Edition\)](#)

[Methodology of short-term business statistics - Associated documents \(2006 Edition\)](#)

Topics		Detailed topics	Compilation guides
<b>Topic 1.a</b>	<b>Business population</b>	<ol style="list-style-type: none"><li>1. New registrations</li><li>2. New bankruptcies</li></ol>	See 'Eurostat/OECD Manual on business demography statistics' ( <a href="#">section 2</a> ) (for detailed topics 1 and 2)  <a href="#">BR Recommendations manual</a>
<b>Topic 1b</b>	<b>Labour inputs</b>	<ol style="list-style-type: none"><li>1. Number of employees and self-employed</li><li>2. Hours worked by employees and self-employed</li><li>3. Wages and salaries</li></ol>	
<b>Topic 1c</b>	<b>Prices</b>	<ol style="list-style-type: none"><li>1. Import prices</li><li>2. Producer prices</li></ol>	<a href="#">Eurostat-OECD Methodological Guide for Developing Producer Price Indices for Services (Second Edition) (2014 Edition)</a> <a href="#">Handbook on Industrial Producer Price Indices (PPI) (2012 Edition)</a>
<b>Topic 1d</b>	<b>Outputs and performance</b>	<ol style="list-style-type: none"><li>1. Production (volume)</li><li>2. Volume of sales</li><li>3. Net turnover (value)</li></ol>	<a href="#">Guidelines for compiling the monthly Index of Production in Construction (2011 Edition)</a>
<b>Topic 1e</b>	<b>Permits</b>	<ol style="list-style-type: none"><li>1. Building permits</li></ol>	



	13. Exporting enterprises	<p><b>Note to the reader:</b> currently, the topics on importing and exporting enterprises (detailed topics 12 and 13) only cover trade in goods. The manual on TEC covers only trade in goods. Similar data for services, referred to as STEC, is covered as a pilot study in the FRIBS draft. The STEC manual is about to be published by Eurostat/OECD and will be included as soon as it becomes available.</p>
<p><b>Topic 2b</b>      <b>Labour inputs</b></p>	<ol style="list-style-type: none"> <li>1. Number of employees and self-employed</li> <li>2. Full-time equivalent employment</li> <li>3. Number of employees and self-employed in newly born enterprises</li> <li>4. Number of employees and self-employed in enterprise deaths</li> <li>5. Number of employees and self-employed in surviving enterprises</li> <li>6. Number of employees and self-employed in enterprises with at least 1 employee</li> <li>7. Number of employees and self-employed persons in enterprises having the first employee in t</li> <li>8. Number of employees and self-employed persons in enterprises having no employees anymore in t</li> <li>9. Number of employees and self-employed in surviving enterprises with at least 1 employee</li> </ol>	<p>See 'Eurostat/OECD Manual on business demography statistics' (<a href="#">section 2</a>) (for detailed topics 3 to 10)</p>

	<p>10. Number of employees in high growth enterprises measured in employment</p> <p>11. Number of employees and self-employed in foreign-controlled enterprises</p> <p>12. Number of employees and self-employed in foreign-controlling enterprises (UCI concept) and their domestic affiliates</p> <p>13. Hours worked by employees</p> <p>14. Employee benefits expense</p> <p>15. Wages and salaries</p> <p>16. Social security costs</p> <p>17. Personnel costs in foreign-controlled enterprises</p>	<p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p> <p>New — in line with FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p> <p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p>
<p><b>Topic 2c</b>      <b>R&amp;D inputs</b></p>	<p>1. Intramural R&amp;D expenditure</p> <p>2. Number of R&amp;D personnel</p> <p>3. Number of researchers</p> <p>4. R&amp;D expenditure in foreign-controlled enterprises</p> <p>5. Number of R&amp;D personnel in foreign-controlled enterprises</p> <p>6. Government budget appropriations or outlays on research and development (GBARD)</p>	<p><a href="#">Frascati Manual 2015: The Measurement of Scientific, Technological and Innovation Activities - Guidelines for Collecting and Reporting Data on Research and Experimental Development (2015 Edition)</a></p> <p>(for detailed topics 1 to 7)</p> <p><a href="#">OECD Patent Statistics Manual (2009)</a></p> <p><a href="#">Human resources S&amp;T (Canberra manual)</a></p> <p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p> <p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p>

		7. National public funding to transnationally coordinated R&D	
<b>Topic 2d</b>	<b>Purchases</b>	<ul style="list-style-type: none"> <li>1. Total purchases of goods and services</li> <li>2. Change in stock of goods and services</li> <li>3. Purchases of goods and services of foreign-controlled enterprises</li> <li>4. Imports of goods</li> </ul>	<p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p> <p><a href="#">Compilers Guide for Trade by Enterprise Characteristics (TEC)</a></p>
<b>Topic 2e</b>	<b>Outputs and performance</b>	<ul style="list-style-type: none"> <li>1. Net turnover</li> <li>2. Value of output</li> <li>3. Gross margin on goods for resale</li> <li>4. Value-added</li> <li>5. Gross operating surplus</li> <li>6. Net turnover of foreign-controlled enterprises</li>   <li>7. Value of output of foreign-controlled enterprises</li>   <li>8. Value-added of foreign-controlled enterprises</li>   <li>9. Net turnover of foreign-controlling enterprises (UCI concept) and their domestic affiliates</li>   <li>10 Sold production</li> </ul>	<p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>) (for detailed topics 6 to 8)</p> <p><b>Note to the reader:</b> several aspects of the FATS manual are to be revised in due course. One such aspect is the definition of the new variable ‘net turnover’, which is not included in the current manual.</p> <p>New — in line with FATS Recommendations Manual (see details above in <a href="#">section2</a>)</p> <p><a href="#">Prodcom User Guide</a></p>



		<p>11. Production under sub-contracted operations</p> <p>12. Physical volume of actual production/total production</p> <p>13. Exports of goods</p>	<p><a href="#">ProdCom Technical Guide</a></p> <p><a href="#">Compilers Guide to Trade by Enterprise Characteristics (TEC)</a></p>
<b>Topic 2f</b>	<b>Investments</b>	<p>1. Investment in tangible assets</p> <p>2. Investment in intangible assets</p> <p>3. Sales proceeds of tangible investments</p> <p>4. Foreign-controlled enterprises' investment in tangible assets</p>	<p>FATS Recommendations Manual (see details above in <a href="#">section 2</a>)</p> <p><b>Note to the reader:</b> several aspects of the FATS manual are to be revised in due course. One such aspect is the new name for the variable under this detailed topic.</p>
<b>Topic 2g</b>	<b>Innovation</b>		<a href="#">Manual on innovation (OSLO manual, 2005)</a>
<b>Topic 2h</b>	<b>ICT usage and e-commerce</b>		<a href="#">Methodological Manual for statistics on the Information Society</a>

**Subject area 3. Regional business statistics****Cross-topical methodologies:**[European Regional and Urban Statistics - Reference Guide \(2010 Edition\)](#)

Topics	Detailed topics	Compilation guides
<b>Topic 3a</b> <b>Business population</b>	<ol style="list-style-type: none"><li>1. Population of local units</li><li>2. Total of active enterprises</li> <li>3. Enterprise births</li><li>4. Enterprise deaths</li><li>5. Enterprise survivals (3-calendar year survival only)</li> <li>6. High-growth enterprises</li><li>7. Total of enterprise having at least one employee</li> <li>8. Enterprises having the first employee</li><li>9. Enterprises having no employees anymore</li> <li>10. Survivals of enterprises having at least one employee (having first employee in t-3 and at least one employee in t only)</li></ol>	<a href="#">Eurostat/OECD Manual on business demography statistics:</a> (for detailed topics 2 to 10) <a href="#">BR Recommendations manual</a>
<b>Topic 3b</b> <b>Labour inputs</b>	<ol style="list-style-type: none"><li>1. Number of employees and self-employed in local units</li> <li>2. Number of employees and self-employed in enterprises</li></ol>	<a href="#">Eurostat/OECD Manual on business demography statistics:</a> (for detailed topics 1 to 10)

	<p>3. Number of employees and self-employed in newly born enterprises</p> <p>4. Number of employees and self-employed in enterprise deaths</p> <p>5. Number of employees and self-employed in surviving enterprises (only for enterprises having survived for three calendar years)</p> <p>6. Number of employees and self-employed in enterprises with at least 1 employee</p> <p>7. Number of employees and self-employed persons in enterprises having the first employee in t</p> <p>8. Number of employees and self-employed persons in enterprises having no employees anymore in t</p> <p>9. Number of employees and self-employed in surviving enterprises with at least 1 employee (only for enterprises having survived for three calendar years)</p> <p>10. Wages and salaries in local units</p>	
<p><b>Topic 3c</b>      <b>R&amp;D inputs</b></p>	<p>1. Intramural R&amp;D expenditure</p> <p>2. Number of R&amp;D personnel</p> <p>3. Number of researchers</p>	

## Subject area 4. Statistics on international activities

### Cross-topical methodologies:

OECD handbook of economic globalisation indicators (HEGI) via [OECD Book shop](#)

Topics	Detailed topics	Compilation guides
<b>Topic 4a</b> <b>Business population</b>	1. Number of enterprises abroad ultimately controlled by institutional units of the reporting country	FATS Recommendations Manual (see details above in <a href="#">section 2</a> ) (for topics 4a to 4d)
<b>Topic 4b</b> <b>Labour input</b>	1. Number of employees and self-employed in enterprises abroad ultimately controlled by institutional units of the reporting country  2. Personnel costs of enterprises abroad ultimately controlled by institutional units of the reporting country	
<b>Topic 4c</b> <b>Investments</b>	1. Investments in tangible assets of enterprises abroad ultimately controlled by institutional units of the reporting country	
<b>Topic 4d</b> <b>Output and performance</b>	1. Net turnover of enterprises abroad ultimately controlled by institutional units of the reporting country	

<p><b>Topic 4 e</b>      <b>International trade</b></p>	<ol style="list-style-type: none"> <li>1. Intra-EU imports of goods</li>   <li>2. Extra-EU imports of goods</li> <li>3. Imports of goods</li> <li>4. Extra-EU imports of good by invoicing currency</li> <li>5. Imports of services (debit)</li>   <li>6. Intra-EU exports of goods</li>   <li>7. Extra-EU exports of goods</li> <li>8. Exports of goods</li> <li>9. Extra-EU exports of goods by invoicing currency</li>   <li>10. Exports of services (debit)</li>   <li>11. Balance of services (net)</li> </ol>	<p><a href="#">Compilers guide on European statistics on international trade in goods (2015 edition)</a></p> <p><a href="#">User guide on European statistics on international trade in goods</a></p> <p>(for topics 1 to 4, and 6 to 9)</p> <p><a href="#">IMF Balance of Payments and International Investment Position Manual, (BPM6), sixth edition</a></p> <p>UN <a href="#">Manual on Statistics of International Trade in Services 2010 (MSITS 2010) (2011 edition)</a></p> <p>UN <a href="#">MSITS 2010 Compilers Guide (2014)</a></p> <p><a href="#">Code of Conduct for the management of the combined nomenclature (2000 Edition)</a></p> <p><a href="#">Methodological differences, BoP versus Foreign Trade</a></p> <p><a href="#">IMF Balance of Payments and International Investment Position Manual, (BPM6), sixth edition</a></p> <p>UN <a href="#">Manual on Statistics of International Trade in Services, 2010 (MSITS 2010) (2011 edition)</a></p> <p>UN <a href="#">MSITS 2010 Compilers Guide (2014)</a></p> <p><a href="#">IMF Balance of Payments and International Investment Position Manual, (BPM6), sixth edition</a></p> <p>UN <a href="#">Manual on Statistics of International Trade in Services, 2010 (MSITS 2010) (2011 edition)</a></p> <p>UN <a href="#">MSITS 2010 Compilers Guide (2014)</a></p>
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<b>Topic 4f</b>	<b>Global Value Chains</b>	Characteristics	<a href="#">Global value chains and economic globalization – towards a new measurement framework</a>  <a href="http://ec.europa.eu/eurostat/statistics-explained/index.php/Global_value_chains">http://ec.europa.eu/eurostat/statistics-explained/index.php/Global_value_chains</a>  <a href="http://ec.europa.eu/eurostat/statistics-explained/index.php/International_sourcing_of_business_functions">http://ec.europa.eu/eurostat/statistics-explained/index.php/International_sourcing_of_business_functions</a>
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## 4. Future improvements to methodologies

Several guides are to be introduced, updated or redesigned over the 2017-2019 period.

Possible reasons for these updates, redesigns and new guides are:

- a) Changes in the subject area and/or the (detailed) topics it covers, such as better collection and/or compilation methods and improved harmonisation. For example, the UN is currently developing a new Handbook for the Measurement of International Trade and Economic Globalisation, in cooperation with Eurostat and a number of EU countries);
- b) Changes resulting from new [legal and non-legal measures in business statistics](#);
- c) Changes arising from efforts to improve coherence between subject-oriented methodologies and their guides on the one hand and the generic methodologies and the EBS manual on the other hand.

In the interests of improving consistency between detailed domain methodologies and the EBS manual, Eurostat conducted a pilot study in the domain of short-term statistics (STS) in 2016. Its main outcomes are:

- a new EBS-STs section in 'Statistics Explained' which lists all detailed methodologies and metadata that are specific to short-term statistics, and which has the same headings as the EBS manual. The headings of the manual and the EBS-STs section will be linked to avoid redundancy and potential inconsistency. To view the prototype (without links), see: see [Short-term business statistics introduced](#).
- The EBS-STs section will serve as a template for new sections in EBS, covering different domains.

## 5. See also

- Overview of methodologies of European business statistics: [EBS manual](#)
- Legal aspects related to this chapter can be found in the following [overview](#). It shows that there are no legal provisions as regards detailed domain methodologies.
- Prototype of an EBS-domain section: [Short-term business statistics introduced](#)

## 6 Further Eurostat information

- See section 2 and 3 for the full list of hyperlinks to detailed domain methodologies, including both Eurostat internal and external links

## 7. External links

- See section 2 and 3 for the full list of hyperlinks to detailed domain methodologies, including both Eurostat internal and external links

## 8. Contacts

For questions or comments on this chapter, please contact [ESTAT-EBS-MANUAL@ec.europa.eu](mailto:ESTAT-EBS-MANUAL@ec.europa.eu).