8111, Repair and maintenance of automobiles and trucks
Session: Maintenance and Repair of Motor Vehicles

Instituto Nacional de Estadística y Geografía

The 26th meeting of the Voorburg Group on Service Statistics
September 19 – 23, 2011
Newport, South Wales
United Kingdom
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1.- Definition of the Service being collected

Repair and maintenance of automobiles and trucks\textsuperscript{1}

Repair and maintenance of cars and trucks services is defined as an economic unit, primarily engaged in the repair and maintenance of cars and trucks, in mechanical and electrical repair, bodywork, upholstery, glass installation and other minor repairs on tires and tubes, washing and lubrication.

It also includes general mechanical repairs of cars and trucks combined with the control vehicle emissions service, the adaptation of bodies, the restoration of antique automobiles, the welding on cars and trucks to repair tops and chassis, as well as for polishing and waxing.

\textsuperscript{1} According to the North American Industrial Classification System, Mexico (NAICS 2007)
2.- Unit of measure to be collected

The **Revenues from the provision of services** is the main concept for measuring economic activities; the Economic Surveys and Census collect several variables related to incomes, in short-term statistics (monthly basis) for example, capture the following:

- Days worked
- Dependent personnel of the company
- Not dependent personnel of the company
- Remunerations
- **Expenditures on goods and services consumption**
- **Expenditures not derived from the activity**
- **Revenues for services rendered and goods sold**
- **Revenues not derived from the activity**

It includes the monetary revenue obtained during the period of reference as a result of the service rendered and complementary activities.

The output of Repair and maintenance of automobile and truck activities is measured as turnover. Since 2005, data is collected at short-term and for structural statistics; turnover is measured in Mexican pesos and the statistical observation unit is the establishment.
According to the results of the 2009 Economic Census, automotive repair and maintenance activities, have 185,720 establishments, representing about 37.65% of Sector 81, Other Services (except public administration), and 4.99% of total economic activities.

A five-year term, establishments engaged in the repair and maintenance of cars and trucks have increased 22.65%; currently employing about 495,192 people and generating annual revenues of 46,554,189 (thousand of pesos).

In average, each establishment employs 2.6 people; these units are characterized by micro and small size establishments.
Share of economic units by economic activity, 2008
2009 Economic Census
(percentages)
Share of total gross output by economic activity, 2008
2009 Economic Census
(percentages)
Share of total revenues by economic activity, 2008
2009 Economic Census
(percentages)
4.- Standard classification structure and product details/levels

The North American Industry Classification System (NAICS - Mexico), aims to provide a unique, consistent and updated framework for the collection, analysis and report of economic statistics, which reflects the structure of the Mexican economy.

NAICS Mexico is the basis for the generation, presentation and dissemination of all economic statistics.

Regarding the products for repair and maintenance activities, preliminary lists of products to collect incomes by the type of product were used in the Economic Census, however, there have not been products incorporated into short-term statistics; we are currently evaluating the questionnaires (annually and monthly) to collect products detail.
Repair and maintenance of automobiles and trucks, NAICS 2007 structure

81, Other services, except government activities
  811, Repair and maintenance services
    8111, Repair and maintenance of automobiles and trucks
      81111, Mechanical and electrical repair of automobiles and trucks
        811111, General mechanical repair for automobiles and trucks
        811112, Electrical system repair for automobiles and trucks
        811113, Motor parts rectification for automobiles and trucks
        811114, Transmission repair for automobiles and trucks
        811115, Suspension repair for automobiles and trucks
        811116, Wheel alignment and balancing for automobiles and trucks
        811119, Other mechanical repair for automobiles and trucks
      81112, Tinwork, upholstering and other body repair for automobiles and trucks
        811121, Tinwork and paint for automobiles and trucks
        811122, Upholstering for automobiles and trucks
        811129, Glass installation and other body repairs for automobiles and trucks
      81119, Other repair and maintenance services for automobiles and trucks
        811191, Minor tire repair
        811192, Washing and lubricating of automobiles and trucks
        811199, Other repair and maintenance services for automobiles and trucks
5.- Evaluation of standard vs. definition and market conditions

⇒ The definitions of turnover/output presented in the questionnaires are aligned with international recommendations and the National Accounts System.
⇒ However, due to very particular characteristics of the repair and maintenance activities of the micro and small establishments with an average of 2.6 employed persons, that do not make use of accounting records to measure economic variables, it is difficult to collect data on short-term statistics.

6.- National accounts concepts and measurement issues related to GDP measurement

⇒ The indirect calculation based on the relationship between the indicators of physical volume of automobile production, considering that the vehicle fleet with an average use of five years or more, require frequent repair and maintenance services.
⇒ The variables of incomes (as turnover), expenses and occupied personnel, among others, are provided by the Economic Census and Surveys.
7.- Turnover/output data methods and criteria for choosing various output methods

The National Economic Survey System carried out monthly and annually are based on sample surveys; the monthly survey covers the main variables: employed personnel, wages, incomes and expenses, while the annual survey covers structural variables: fixed assets, among others.

The output of repair and maintenance of automobile and truck activities is measured as a turnover.

8.- Evaluation of comparability of turnover/output data with price index practices

Up to now, we have not calculated producer price indices at a six digits level, which is why there have been no comparisons with the turnover concept.
...Thank you!!!

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