

## SUMMARIES IN ENGLISH

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### **1. ABOUT THE DESIGN OF RENEWING ACTIVITIES OF THE SCIENTIFIC STUDY OF STATISTICS IN THE INSTITUTE OF STATISTICAL SCIENCE**

The design generally introduces the actual situation of statistical science activities; results and main problems as well as objective and subjective causes of the problems. It has proposed purposes and contents of renewals in the following three fields:

- Renewing the scientific study work;
- Renewing the information activities;
- Renewing the scientific management work.

For bringing this design into implementation, we will have to:

- Strengthen the organization and improve the active capacity of the Institute
- Strengthen material bases
- Add and improve stipulations.

### **2. ESTABLISHMENT AND USE OF THE LIST OF ADMINISTRATIVE UNITS UNDER THE VIEW POINT OF SPEEDING UP INFORMATION APPLICATION IN THE CAUSE OF INDUSTRIALIZATION, MODERNIZATION IN OUR COUNTRY**

**Dr. Thieu Van Tien**

The list of administrative units is one of important lists of statistics classification in management work. In the information application tendency, the author introduces a database of administrative units, which was structured in three levels: the provincial level with two-digit codes ranging from 01 to 99; district with three-digit codes from 001 to 999, the commune with five-digit codes from 00001 to 99999. Database with such a structure is very convenient for finding and looking for information.

### **3. SOME ISSUES NEED TO BE RENEWED ON METHOD OF DATA COLLECTION ON FISHERY STATISTICS IN OUR COUNTRY**

**Pham Son**

In general the regime of regular reports on fishery statistics, which was promulgated under Decision No. 657/2002/QĐ-TCTK, appears not to respond information needs by different management levels, especially in 29 coastal provinces with high fishery production value. In order to respond the information needs by different management levels, it is thus necessary:

- To conduct researches on establishment of a regime of fishery statistics reports used for fishery establishments

- To conduct researches to find out data collection methods suitable to fishery business units different from establishments

- For 20 provinces with high fishery production, we should have annual surveys in collaboration with the Ministry of Marine Affairs, and for the remaining provinces we should integrate the content of fishery statistics into agriculture and rural censuses

- For far sea fish catching, we should have reporting regime for each team of vessels.

#### **4. STRENGTHEN AND IMPROVE THE ACCOUNT WORK TO RIGHTLY EVALUATE THE EFFECTIVENESS OF ESTABLISHMENTS' ACTIVITIES**

**Le Nguyet Hang**

In order to rightly evaluate the effectiveness of establishments' activities, it is necessary to exactly calculate the indicators of production value, intermediate expenses, etc. It is thus necessary to strengthen the statistical inspection and accountant work. This is one of important measures in establishment management; through inspection and monitoring we would be able to identify the rightness of the data to form base for effectiveness evaluation.

#### **5. ABOUT THE METHODS OF ADAPTING PARK TEST TO APPLY IN MULTI-REGRESSION**

**Associate Pro. – Dr. Nguyen Cao Van**

The author introduces the process of variant tests according to linear regression model using the PARK method, including:

- Step 1: Use the least square method to estimate parameters of the model and random errors ( $E_i$ )

- Step 2: Use  $E_i^2$  – random error to replace  $\sigma_i^2$  – variant of random variables – in the regression equation to estimate parameters of the model:

$$\ln E_i^2 = \alpha_1 + \alpha_2 \ln X_i + V_i$$

- Step 3: Test the stability of the model.

#### **6. CONTINUITY OF MEASURING ECONOMIC INDICATOR**

**Associate Pro. – Dr. Le Thanh Cuong**

In nature, the measuring of a statistical indicator is to reflect the tendency of its average change – commencing from this assumption, the author proposes the use of the population projection model according to exponential function rate to analyze and project the net value of capital flows using the formula:

$$PV_t = PV_0 e^{Rt}$$

Where,  $PV_t$  - capital value at year t,  $PV_0$  – capital value at year 0; R – interest rate.