mintessay

Building a reliable database of the Indian economy

Several initiatives are progressively putting the database of the economy on a much firmer footing than in the past. The results should begin to show by the end of this year

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he ministry of statistics and pro-gramme implementation (Mospi) is often in the news for all the wrong reasons. It is criticized for the poor reasons. Its criticized for the poor delay sin the release of data. However, several initiatives are progressively putting the database of the Indian economy on a much firmer footing than in the past. The results should begin to show by the end of this year.

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The data on employment and unemployment has been the subject of much controversy lately. Generating data on employment for a country like India, with its dualistic structure, is particularly challenging. Over half the labour force is cutil, decondant to experient lives above the larly challenging. Over half the labour force is still dependent on agriculture, where the rhythm of production follows the weather cycle with long periods of seasonal unemployment between crops. Further, thanks to the high pressure of population on land and continuing land fragmentation, the phenomenon of what economists call underemployment or "disguised unemployment" is widespread. To illustrate, a family of five people may be cultivating at imploit of land which actually requires only two people working full-time. Everyone is underemployed and the production may be no more than what two people could have produced, i.e., zero productivity for the three superfluous workers. A similar problem of low productivity, low wage, underemployment is also faced in the millions of small and tiliy unorganized sector enterprises that account for the bulk of non-agricultural employment is well. Thus, underemployment difficity virtually the entities workforce in the country except the small proportion who are employed in the organized sector. Conventional concepts of employment used in the advanced countries are not of much use in measuring employment of measuring a sampled person's time disposition using multiple concepts: usual status, and it is a superior of the properment of the substance of the problem through a clever technique of measuring a sampled person's time disposition using multiple concepts usual status, daily status and weekly status. By collecting data on employment through large sophisticated surveys of inter-penetrating samples and using these multiple employment unemployment are obtained as the sample of person's time disposition using multiple concepts. Because and using these multiple employment unemployment are obviously inadequate for macro-economic potential and the properson of the still dependent on agriculture, where the rhythm of production follows the weather cycle

ie gap. As professor Shibdas Bandhopadhyay of the Indian Statistical Institute would wryly observe when we worked together as members of the

National Statistical Commission (NSC) a few isational statistical Commission (NSC) arew years ago, "there are lots of numbers but no data". A flourishing cottage industry is now engaged in discussing the pros and cons of using such numbers that were never intended to meas ure employment in the first place. Meanwhile, researchers and analysts hungry for estimates quote and use these numbers for various pur-

quote and use these numbers for various purposes.

This situation is about to change. The NSSO has replaced the old series of quinquennial employment unemployment estimates with a new survey series; the periodic labour force survey (PLFS), that matches the different production cycles of the agricultural and non-agricultural sectors. Urban employment surveys are now being conducted every quarter to give us quarterly estimates of turban employment covering most of the non-agricultural sectors. Rural surveys are being conducted annually to give us annual estimates of rural employment, and underemployment, covering most of the agricultural sector. The urban and rural estimates are being combined to give us annual estimates of fortal employment, and underemployment, covering most of the agricultural sector. The urban and rural estimates of total employment, urban and rural estimates of total employment, urban and rural estimates of total employment and underemployment will be available by the end of this calendar year. This will mark a sea change in employment and other derivative estimates.

The second area where there is a marked strengthening of the database is the use of the ministry of corporate affairs (MCA) data from 2011-2 onwards. It is mandatory for all comparises registered with the MCA to submit their audited balance sheets. This database, covering over-500,000 companies is vast compared to the annual survey of industries (AS) data that was used carrier for the industrial sector and the RBI data for some 2,500 companies that was used in the case of services for estimating gross domestic product (GDP) in these sectors.

However the unit of observation in this database is the company, not the producing establishment as under the ASI. A company may be in multiple lines of production, providing industrial section and the unit of observation in which data where the unit of observation is outer on companies to the unit of observation in this database. However the unit of observation is outer on conceptually co This situation is about to change. The NSSO

new series (2011-12 base) which is now be aligned with the internationally accepted United Nations System of National Accounts, Since the MCA database is not available for earlier ve Mospi has not projected the new series (2011-12 base) backwards for earlier years as was done



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before whenever national income estimates were shifted from an old base year to a new base year. However, national income estimates based on both the old and new series are available for the three years; 2012-13, 2013-14 and 2014-15. These indicate that growth rates based on the new series are significantly higher than those based on the old series.

This bas generated a buge controversy. While many independent analysis have directly questioned the credibility of the new national income series, even official sources like the Reserve Bank of India and the chief economic adviser have hinted at their disconfort with the new series. It is essential that Mospi takes the initiative to generate the back series of national income estimates, as in the past, to try and resolve this issue from the product of the continuation of the Neck Series which we have the substitute of the past of the substitute of the Neck Series when the Series we have the Series when the Series have the substitute of the Neck Series when the Series have the substitute of the Neck Series when the Series have the continued and used in combieries needs to be continued and used in combi nation with the MCA data to generate sector-wise and state-wise industrial production data that are consistent with the MCA aggregate Further, an annual survey of service (ASSS) series needs to be introduced for the vices sectors similar to the ASI for industrial sectors. Reportedly, such an ASSS series is now work in progress. The MCA data combined with the ASI and

ASSS should give us fairly violust estimates of output, value added, etc., for the organized sector companies registered with the MCA. But this would still exclude the entire non-agricultural unorganized sector consisting of some 63 miltor companies registered with the McA. But this would still exclude the outine non-agricultural unor antized sector consisting of some 63 mill-line and and they enterprises employing around III million workers'es employing and the most important gap in the database of the Indian economy, thought employs the bulk of the non-agricultural workers'es employing the million of the most important gap in the database of the Indian economy, thought employed the bulk of the non-agricultural workers by the Indian expression and the sector has been considerably reduced in recent years by the NSS surveys of such unonganized unnegative the sector industrial and service enterprises. Starting in 2000-01, these quinquential surveys alternatively covered industrial and service enterprises and now cover both industries and services in the same survey, indeed, It is from such an enterprise survey of the NSS 73rd round (2015-16) that we know there are around 63 million such unorganized sector enterprises. Since these surveys are conducted quinquenially, the data for the intervening years is projected using the ASF based opanized sector growth rate for industry and other organized sector growth rate for industry and other organized sector provises for the services sector. This is clearly unsatisfactory since there is no reason to expect that the organized and unorganized sector enterprises will be have similarly. The PLTS employment data that will be available henceforth will provide a much firmer foundation for such projectors. Further, business registers being prepared by the states will provide as ound sample frame of the NSS enterprise surveys. This data, projected forward using PLTS.

The initiatives discussed above do not cover all the data problems pertaining to the Indian economy. Data on agricultural production is still based on unreliable archaic procedures while th

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Comments are welcome at