

LABOUR AND EMPLOYMENT ANALYSIS – INDIA 2011-2012

The world is marching towards digitization in all fields. The data that too handling bigdata becomes a technical challenge to the technocrats and this data complexity in analytics be made simpler by the Tableau. Tableau is a rapid BI software which allows anyone to connect to data, visualize and create interactive sharable dashboards.

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Unemployment rate is the number of unemployed people divided by the number of people in the labor force, which consists of all employed and unemployed people. The ratio is expressed as a percentage.

Worker Population Ratio WPR is defined as the percentage of employed persons in the population.

The labour force participation rate is calculated by expressing the number of persons in the labour force as a percentage of the working-age population. The labour force is the sum of the number of persons employed and the number of persons unemployed.

Employment structure means how the workforce is divided up between the three main employment sectors - primary, secondary and tertiary. Employment structures change over time.

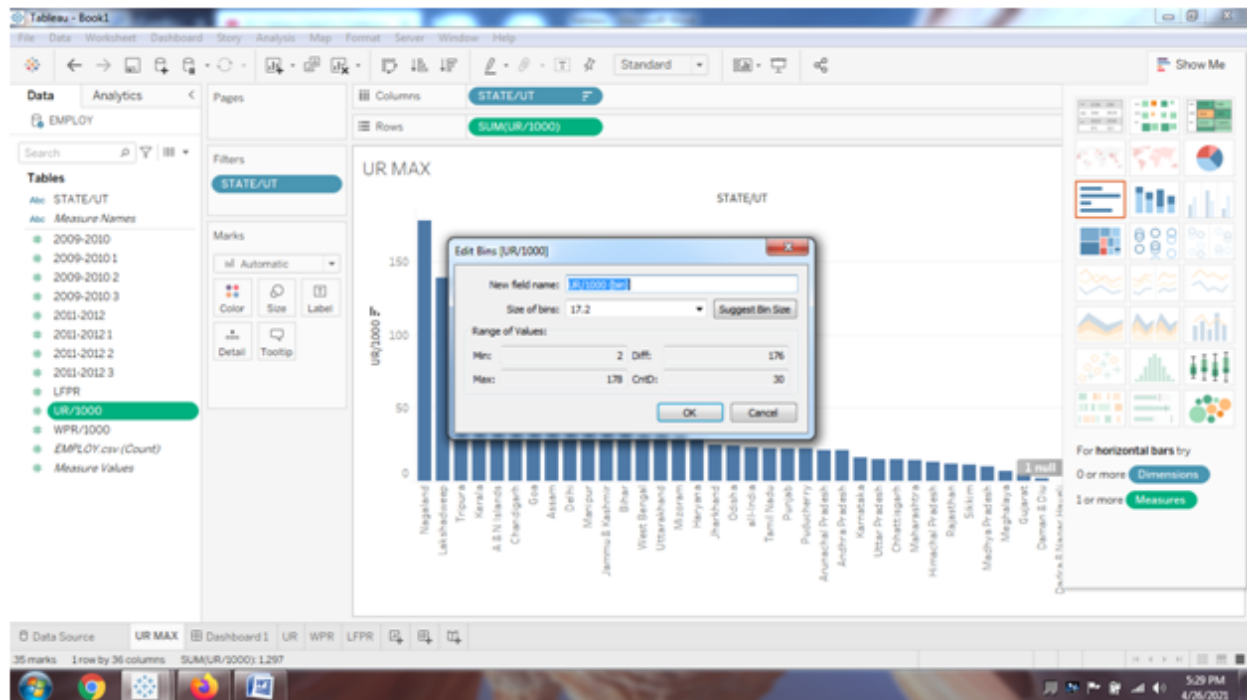
Countries in the early stage of development usually have a high percentage of the population in primary employment. This is because most people are engaged in agricultural activities. Primary activities are directly dependent on the environment as these refer to utilisation of earth's resources such as land, water, vegetation, building materials and minerals. It, thus includes hunting and gathering, pastoral activities, fishing, forestry, agriculture, and mining and quarrying.

As a country begins to develop an industrial base there is an increase in the secondary sector. An increase in machinery on farms means fewer people are needed. People tend to migrate to urban areas to get jobs in factories. Secondary activities add value to natural resources by transforming raw materials into valuable products. Secondary activities, therefore, are concerned with manufacturing, processing and construction (infrastructure) industries.

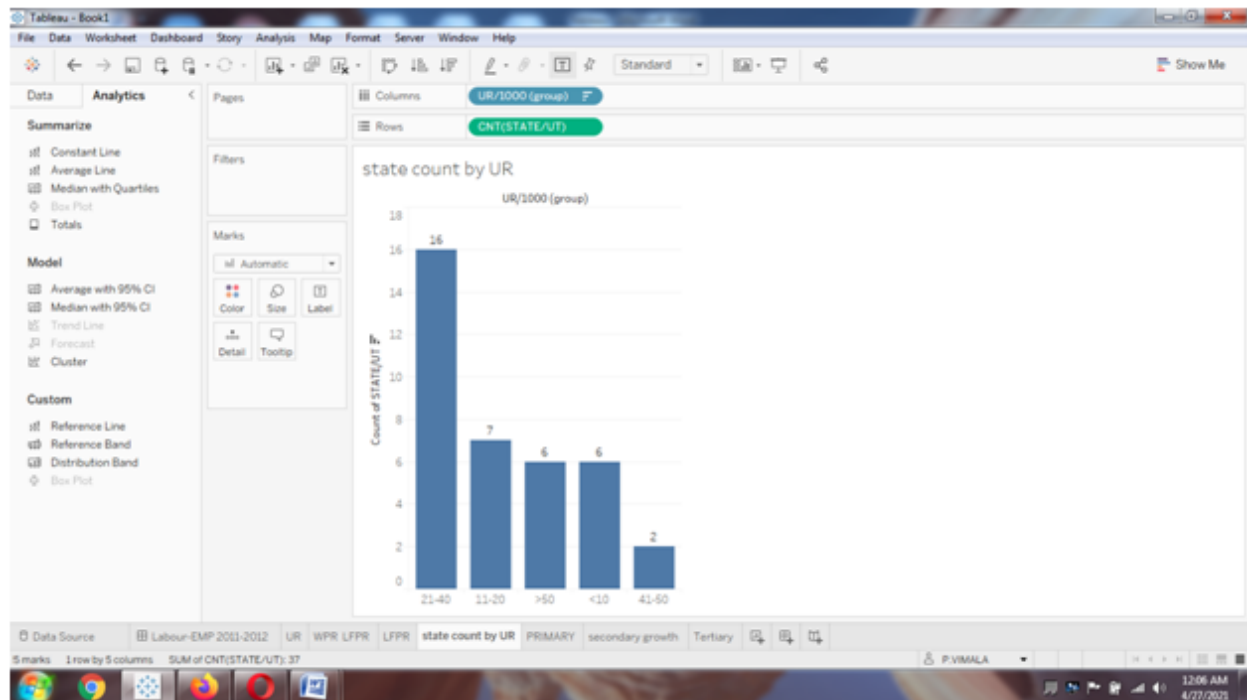
People engaged in secondary activities are called blue-collar workers.

When a country becomes more economically developed there is a greater demand for services such as education, health care and tourism. Therefore the tertiary sector undergoes growth. By this time computers, machinery and robots replace people in the secondary sector hence the decrease in secondary jobs. Tertiary activities include both production and exchange. The production involves the 'provision' of services that are 'consumed'. Exchange involves trade, transport and communication facilities that are used to overcome distance.

Create bins

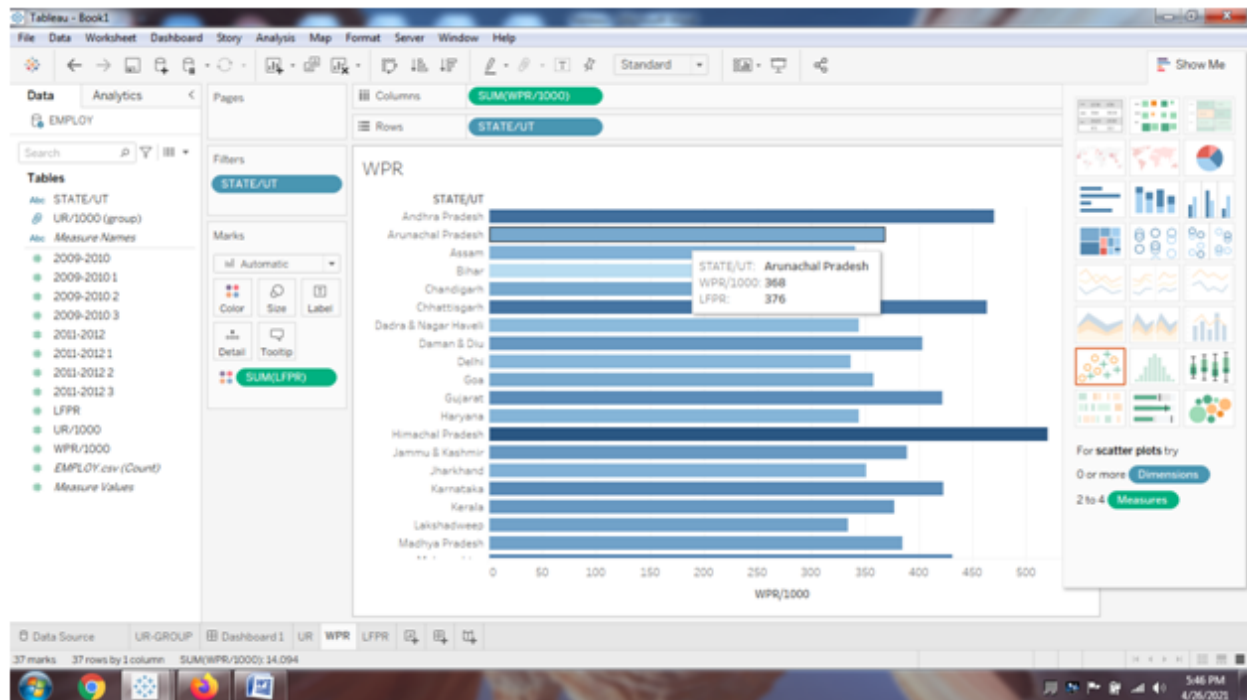


Group data



The number of states are grouped according to the range of unemployment rate. The unemployment rate greater than 40 occurs with nearly 18 states. These states need new measures to improve the employment which reflects the state development.

Dragging the LFPR into the colours the count for each state for both can be analysed.



Based on the various rates and the new measures to be taken for the states which are having high unemployment rate. Thus special care in the employment department can be taken by the government for the group of states which have high unemployment rate. The states are categorized under various groups and accordingly the needed steps can be enforced to improve the primary, secondary and tertiary employment in the states.

Publishing in Tableau public

Tableau public is a web based visualization tool without any coding and easy to access

Step 1 : Extract logical data i.e dataset used for the creation of the dashboard which is to be published in the Tableau public.

Step 2: Click on the tab server .In the server drop down ,select tableau public which is a free version for visual analytics.

Step 3: Sign in with the username and password then save and dashboard gets published to the knowledge community. copy the url

https://public.tableau.com/profile/p.vimala#!/vizhome/Book1_16194614106080/Labour-EMP2011-2012?publish=yes

