

Idea/Approach Details

Technology Bucket: Software - Web App development

Ministry Name: Min. of Statistics & PI

Team Leader Name : Ashish Bhawnani

Category: Software

Problem Code : KK3

College Code : 1-3763789271

Preparation of Dashboard for National Accounts

For representing government statistics in an interactive way, we have tried building a dashboard where each user can view a file in four types of graphs. The prototype is live on web at

<http://dashboardtry.herokuapp.com/>

Main idea behind building four graphs for each data file was to make it convenient for the user to understand the statistics. The dashboard consists of dataset in the form of tables also so that the user can easily view the data and could use it for further work.

Dashboard contains tabs and dropdowns. On selecting any of the file we will be redirected to another page where the category of the respective data would be required and hence the graph would be presented. We have made our webapp more versatile using bootstrap which makes this dashboard presentable even from mobile phones and the programme doesn't get breakdown. So that the user does not always have to carry a laptop to analyse the data.

Development: Flask

Technology used: Python, JavaScript, Bootstrap, JQuery.

Temporary Deployment : Heroku

Future deployment: Amazon Web Services or Azure

Database: created using excel sheets

Future database to be used: Nosql, MongoDB

Use Cases:

Actors: PUBLIC, Govt databases

Graphs are being implemented

Data can be analyzed.

Tabular data can be seen.

Dependencies :

DATABASE where all the excel files are stored and python.

SNAPSHOTS:

National Accounts Statistics 2017

Dashboard Statistics Overview

Dashboard

SELECT from the following Statistic

Statements

1 Key aggregates of national accounts at current and constant prices

2 Per Capita Income, Product and Final Consumption

3 Relationship of National Income and Other Aggregates

4 Price and Quantity Indices

5 Output by Economic activity and Capital formation by industry of use at current and constant prices

6 Gross Value Added by economic activity at current and constant prices

7 Percentage Share of GVA by economic activity at current and constant prices

8 Percentage change in GVA by economic activity at current and constant prices

9 Net Value Added by economic activity at current and constant prices

63

Show Tables

Download Report

National Accounts Statistics 2017

Tables

Relationship of National Income and Other Aggregates

	2011-12	2012-13	2013-14	2014-15	2015-16	S.No.	Item Description
3	7.742333e+06	8.788345e+06	8.887903e+06	1.095370e+07	1.207098e+07	1.	Net National Income
1	3.049020e+05	3.500610e+05	3.999190e+05	4.391540e+05	4.100529e+05	2.	Other current transfers from RoW (net)
2	8.047232e+06	8.116435e+06	1.029339e+07	1.133891e+07	1.248887e+07	3.	Net National Disposable Income (1+2)
3	7.115181e+05	7.864754e+05	8.888322e+05	9.884738e+05	1.148125e+06	4.	Net Disposable Income of General Government
4	5.005484e+05	5.788330e+05	6.407721e+05	6.977480e+05	7.710264e+05	5.	Current taxes on income, wealth, etc.
5	1.562132e+05	1.002944e+05	1.289132e+05	1.331719e+05	1.243020e+05	6.	Net Saving of Public Corporations
6	4.691655e+05	5.788275e+05	7.299407e+05	8.912540e+05	9.962666e+05	7.	Net Saving of Private Corporations
7	1.562132e+05	1.002944e+05	1.289132e+05	1.331719e+05	1.243020e+05	8.	Current taxes on income, wealth, etc.

VARIOUS INTERACTIVE GRAPHS OF SAME DATA AT CURRENT AND CONSTANT

