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### District wise coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 - Uttar Pradesh

Zubairul Islam Sita Ram Rajput\*

Associate Professor, Department of Geography and Env. Studies, Adigrat University, Ethiopia.  
zubairul@gmail.com

Assistant Professor, Geography Department, Bareilly College, Bareilly.

#### **Abstract**

*In this paper District wise coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 was calculated and mapped. Study is based on secondary data collected from official website of Government of India. District wise GDP was classified in five categories based on Natural Breaks (Jenks) scheme.*

*First with 0.17 to 0.22, second with 0.23 to 0.35, third with 0.36 to 0.39, fourth with 0.40 to 0.46 and fifth 0.86. Result shows three districts belong to first category, thirty one districts belong to second category, twenty eight districts belong to third category, seven districts belong to fourth category and one districts belong to fifth category.*

**Key words:** *Coefficient of variation, GDP, Natural Breaks, Uttar Pradesh*

## 1. Introduction

An IMF publication states that "GDP measures the monetary value of final goods and services - that is, those that are bought by the final user - produced in a country in a given period of time (say a quarter or a year)."[1]

The history of the concept of GDP should be distinguished from the history of changes in ways of estimating it. The value added by firms is relatively easy to calculate from their accounts, but the value added by the public sector, by financial industries, and by intangible asset creation is more complex. These activities are increasingly important in developed economies, and the international conventions governing their estimation and their inclusion or exclusion in GDP regularly change in an attempt to keep up with industrial advances. In the words of one academic economist "The actual number for GDP is therefore the product of a vast patchwork of statistics and a complicated set of processes carried out on the raw data to fit them to the conceptual framework." [2]

The Economy of India is the seventh-largest economy in the world measured by nominal GDP and the third-largest by purchasing power parity (PPP). [3]

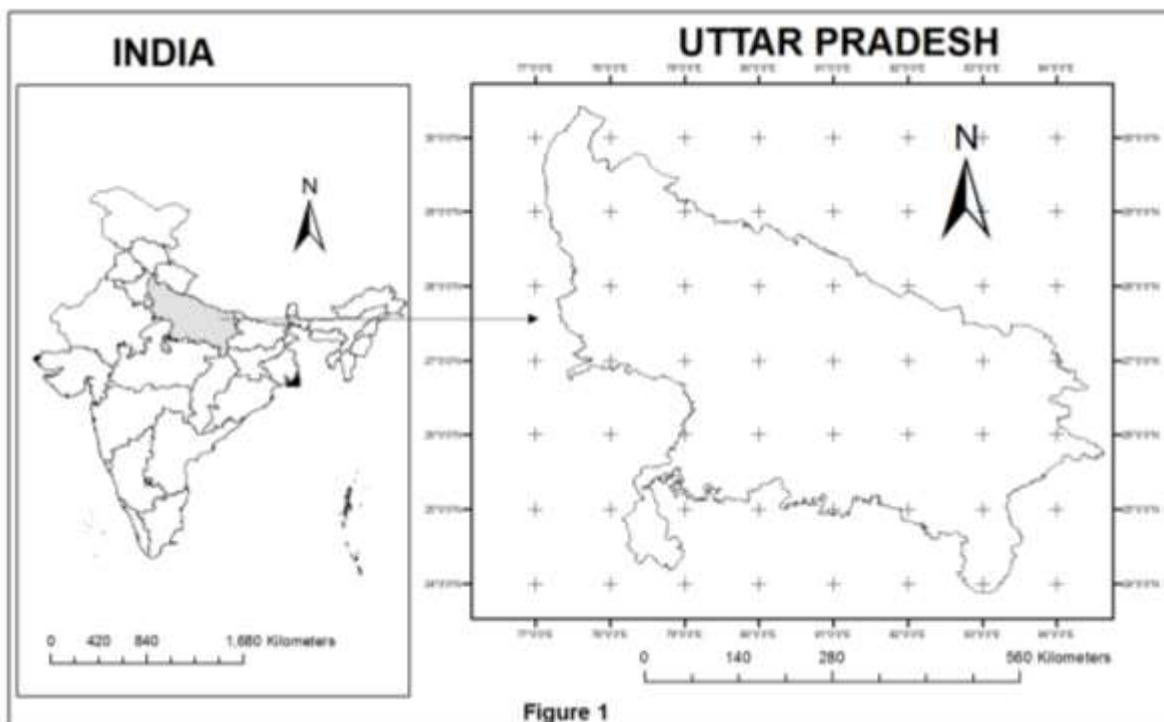
Real GDP growth or Gross Domestic Product (GDP) growth of India at constant (2011-12) prices in the year 2015-16 is estimated at 7.56 percent as compared to the growth rate of 7.24 percent in 2014-15. Quarterly GDP growth rates are: Q1 (7.5%), Q2 (7.6%), Q3 (7.2%), Q4 (7.9%). [4]

Uttar Pradesh's gross state domestic product for 2004 is \$339.5 billion by PPP and \$80.9 billion by nominal and in 2013-14 it was 130 billion dollars by nominal which is the second highest in India. [5]

## 2. Materials and Methods

### 2.1. Study Area

Uttar Pradesh, with a total area of 243,290 square kilometres, is India's fourth largest state in terms of land area. It is situated on the northern spout of India and shares an international boundary with Nepal. The Himalayas border the state on the north but the plains that cover most of the state are distinctly different from those high mountains. The larger Gangetic Plain region is in the north; it includes the Ganges-Yamuna Doab, the Ghaghra plains, the Ganges plains and the Terai. The smaller Vindhya Range and plateau region is in the south. [6]



### 2.2. Materials

Data: Secondary data collected from official website of government of India.

Software: ArcGIS 10.1, Excel

### 2.3 Methodology

Study is based on secondary data collected from official website of Government of India. District wise GDP was classified in five categories based on Natural Breaks (Jenks) scheme. First with 0.17 to 0.22, second with 0.23 to 0.35, third with 0.36 to 0.39, fourth with 0.40 to 0.46 and fifth 0.86.

### 3. Result

Result shows three districts belong to first category (Table 1), thirty one districts belong to second category (Table 2), twenty eight districts belong to third category (Table 3), seven districts belong to fourth category and one districts belong to fifth category.

**Table 1 Coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 - Uttar Pradesh**

SN	Districts	Coefficient of variation in GDP
1	Etah	0.17
2	Rae Bareli	0.21
3	Sonbhadra	0.22

Source : <https://data.gov.in>

**Table 2 Coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 - Uttar Pradesh**

SN	Districts	Coefficient of variation in GDP
1	Sultanpur	0.23
2	Firozabad	0.31
3	Kannauj	0.31
4	Rampur	0.31
5	Bahraich	0.32
6	Farrukhabad	0.32
7	Pilibhit	0.32
8	Jalaun	0.33
9	Etawah	0.33
10	Ghaziabad	0.33
11	Bijnor	0.33
12	Chandauli	0.33
13	Basti	0.33
14	Hardoi	0.34
15	Hathras	0.34
16	Unnao	0.34
17	Sant Ravi Das Nagar	0.34
18	Jaunpur	0.34
19	Kanpur	0.34
20	Saharanpur	0.34
21	Lucknow	0.34
22	Jyotiba Phule Nagar	0.35
23	Mathura	0.35
24	Kushinagar	0.35

25	Bulandshahr	0.35
26	Meerut	0.35
27	Mainpuri	0.35
28	Allahabad	0.35
29	Badaun	0.35
30	Mau	0.35
31	Moradabad	0.35

Source : <https://data.gov.in>**Table 3 Coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 - Uttar Pradesh**

SN	Districts	Coefficient of variation in GDP
1	Maharajganj	0.36
2	Gorakhpur	0.36
3	Ambedkar Nagar	0.36
4	Varanasi	0.36
5	Kanpur Dehat	0.36
6	Mirzapur	0.36
7	Shravasti	0.36
8	Azamgarh	0.36
9	Muzaffarnagar	0.36
10	Agra	0.36
11	Siddharth Nagar	0.37
12	Balrampur	0.37
13	Aligarh	0.37
14	Shahjahanpur	0.37
15	Ghazipur	0.37
16	Lakhimpur Kheri	0.37
17	Sitapur	0.37
18	Jhansi	0.38
19	Bara Banki	0.38
20	Hamirpur	0.38
21	Gonda	0.38
22	Deoria	0.38
23	GBN	0.38
24	Pratapgarh	0.38
25	Baghpat	0.39
26	Sant Kabir Nagar	0.39
27	Fatehpur	0.39
28	Kaushambi	0.39

Source : <https://data.gov.in>

**Table 4 Coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 - Uttar Pradesh**

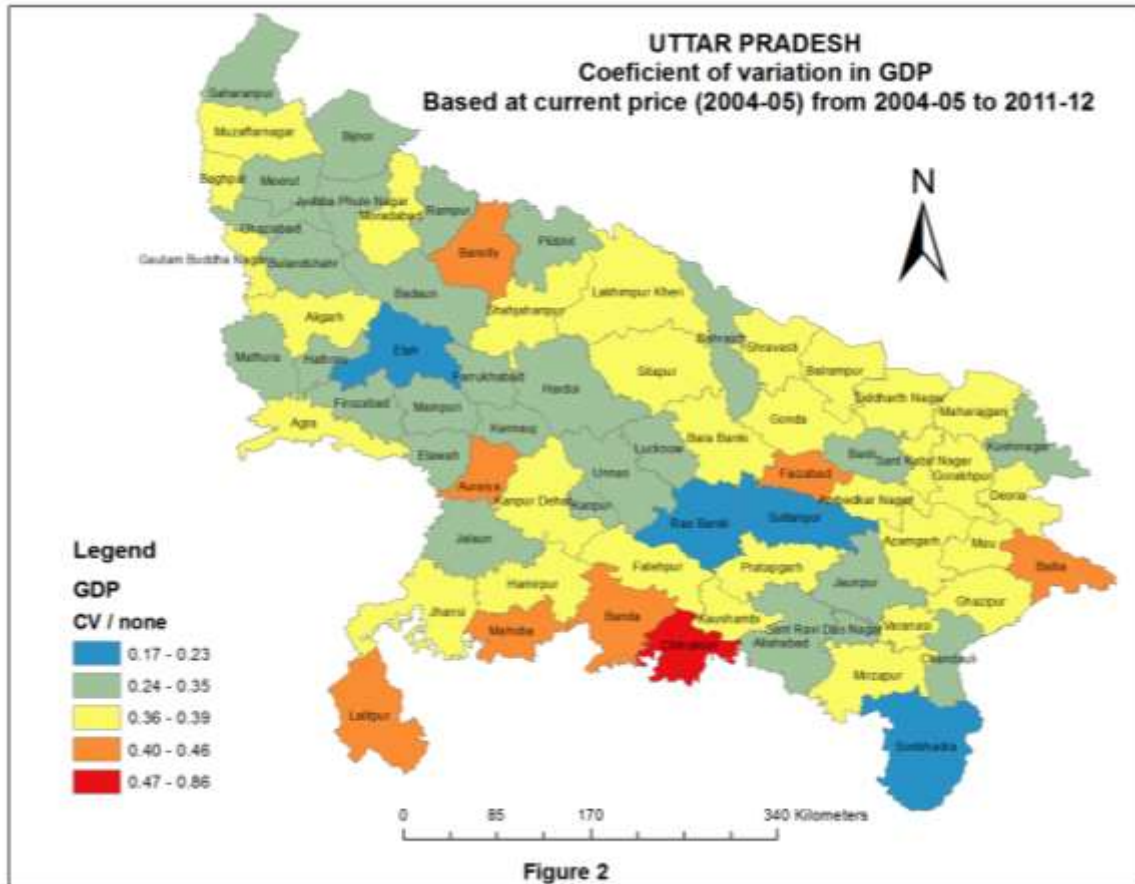
SN	Districts	Coefficient of variation in GDP
1	Banda	0.40
2	Ballia	0.40
3	Bareilly	0.41
4	Auraiya	0.41
5	Lalitpur	0.42
6	Faizabad	0.43
7	Mahoba	0.46

Source : <https://data.gov.in>

**Table 5 Coefficient of variation in GDP based at current price (2004-05) from 2004-05 to 2011-12 - Uttar Pradesh**

SN	Districts	Coefficient of variation in GDP
1	Chitrakoot	0.86

Source : <https://data.gov.in>



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