

E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

GDP of India-An Empirical Study

Naman Yadav¹, Gunjan Singh²

¹Student, Amity University Uttar Pradesh, Lucknow ²Assistant Professor, Amity University Uttar Pradesh, Lucknow

Abstract

India's long-term economic growth is largely attributed to its government's tax system, which includes Value Added Taxation (VAT) and Goods and Services Tax (GST). This paper analyses India's GDP growth rate from year 2014 to 2022. The research also looks at how India's GDP has developed in relation to domestic problems like the COVID-19 pandemic and international economic situations.

This report analyses the economic trends of various Indian states, focusing on GDP and inflation rates from 2014 to 2031. States like Bihar have experienced high inflation rates, signalling significant economic challenges such as rising living costs and reduced savings. On the other hand, states such as Tamil Nadu and Gujarat have shown more stable inflation, reflecting steady economic growth. Projections for future years suggest consistent GDP growth across most states, with a gradual decrease in inflation, especially in Maharashtra and Karnataka. These trends are critical for shaping effective economic policies that can support balanced growth and stability.

Keyword: GDP, VAT, GST, Economic Trends, Inflation Rates, GDP Growth, Economic Stability, State Economics, Economic Forecasts, Regional Economic Analysis, Economic Policy, Inflation Impact, State-Specific Economic Insights, Economic Challenges, Inflation Projections, State Economic Growth, Economic Development, Inflation Management

INTRODUCTION:

This study examines India's GDP growth since the early 1990s, focusing on rapid economic changes since liberalisation measures [1]. The Indian economy has become more diverse, with industrial and services sectors contributing significantly [2]. The demographic dividend, government initiatives, globalisation, and external trade have all impacted India's GDP growth [3]. The years 2014-2021 are significant due to historic events and legislative changes. The early 20th century GDP growth was driven by a favourable global economic climate, infrastructure investment, and strong consumer demand. The COVID-19 pandemic in 2020 caused a significant GDP contraction, prompting the government and Reserve Bank of India to implement fiscal and monetary policies to stimulate the economy.

Objectives:

- 1. To establish a relationship between GDP and inflation.
- 2. To forecast future economic performance.

Data And Methodology:

- For the analysis data has been taken from MOSPI (Ministry of Statistics and Programme Implementation)(https://mospi.gov.in/press-release) and RBI.
- In this study, we used regression analysis and time series analysis to analyse the GDP data.



E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

Result & Discussion:

Data shows that several states experienced high inflation rates, such as 11.36% in Bihar and 11.44% in Nagaland, indicating significant economic difficulties. These high inflation rates can reduce savings, raise living expenses, and spark social and economic discontent. Conversely, low inflation rates were observed in Manipur and Himachal Pradesh, indicating a decline in consumer demand or excess supply. Understanding the reasons behind these negative rates is crucial for effective economic policies.

Trends Over the Years

Inflation rates in Tamil Nadu and Kerala have remained stable, indicating balanced economic growth. However, Punjab experienced a declining trend between 2014 and 2017, indicating a phase of economic adjustment. These patterns highlight the dynamic nature of state economies and the impact of both internal and external influences on inflation.

Yearly Fluctuations

Inflation rates in Arunachal Pradesh have significantly increased, influenced by factors like supply and demand shifts, agricultural yields, global financial markets, and state-specific economic policies, necessitating understanding by policymakers.

Economic Implications

High inflation rates impact living expenses and economic stability, making it difficult for states like Nagaland and Bihar to maintain stability. Low inflation, as seen in Manipur and Himachal Pradesh, indicates deflationary forces or economic stagnation. Stable inflation rates are beneficial for economic predictability, efficient planning, and well-balanced policies, as seen in Kerala, allowing consumers to make wise financial decisions.

Economic Dynamics: Top 5 States with the Highest and Lowest GDP and Inflation Growth

						STA	TES	ANI) TH	IEIR	GD	PAN	D IN	FLAT	ION	Ţ				
Y	Ma	har	Ta	mil	Gu	ıjar	Ut	tar	Ka	rna	Ad	& N	And	lhra	Ass	sam	Ch	andi	g Bi	ihar
E	ash	tra	Na	ıdu	8	ıt	Pra	des	ta	ka	Isla	ınds	Pra	desh			8	arh		
A]	h												
R	G	I	G	IN	G	IN	G	IN	G	IN	G	IN	G	IN	G	IN	G	I	G	IN
	D	N	D	F	D	F	D	F	D	F	D	F	D	FL	D	F	D	N	DP	F
	P	F	P	L.	P	L.	P	L.	P	L.	P	L.	P	•	P	L.	P	F		L.
		L																L		
20	15	7.	8.	7.	8.	7.	8.	9.	7.	8.	0.	8.	4.4	7.4	1.	9.	0.	8.	2.7	11
14	.4	50	9	58	1	30	34	31	4	18	05	05	5	0	6	76	2	12	9	.3
	3		4		1				8						5		3			6
20	16	5.	9.	5.	8.	5.	9.	3.	8.	6.	0.	5.	4.9	6.1	1.	4.	0.	4.	2.9	3.
15	.5	03	6	66	9	04	08	36	3	87	05	75	9	9	9	36	2	06	6	46
	4		8		4				1						1		5			



E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

20	18	4.	1	5.	9.	5.	10	5.	9.	6.	0.	8.	5.4	8.1	2.	5.	0.	4.	3.1	5.
16	.0	62	0.	44	8	97	.1	50	4	59	06	06	0	3	$\begin{vmatrix} 2 \\ 0 \end{vmatrix}$	23	2	67	9	87
10	7	02	3		1		2	30	2					3	2	23	7	07		07
	,		7		1		_		_						_		,			
20	18	3.	1	4.	1	3.	10	1.	1	3.	0.	2.	5.9	2.2	2.	1.	0.	2.	3.4	1.
17	.8	37	1.	14	0.	25	.5	74	0.	02	06	59	5.5	0	2	68	2	51	4	77
1,	9	5,	2	1.	8		6	' '	2	02					0		8		•	' '
			6		7				0											
20	19	4.	1	4.	1	2.	10	4.	1	2.	0.	6.	6.2	3.8	2.	7.	0.	5.	3.8	4.
18	.5	74	2.	95	1.	61	.9	50	0.	56	07	18	7	6	3	30	3	38	1	99
10	7	' '	0		8		7		8		,		,		1		0		-	
	,		5		3		,		5											
20	20	2.	1	3.	1	2.	11	3.	1	5.	0.	6.	6.5	0.8	2.	4.	0.	3.	3.9	0.
18	.0	67	2.	57	2.	40	.4	49	1.	21	07	59	0	6	4	68	3	83	8	58
	5		4		6		2		4						1		2			
			4		5				9											
20	18	6.	1	8.	1	5.	10	9.	1	6.	0.	5.	6.3	6.5	2.	7.	0.	7.	3.6	5.
20	.5	59	2.	51	2.	91	.9	70	1.	24	07	35	4	9	4	50	2	03	9	79
	8		4		4		3		0						3		9			
			5		1				8											
20	20	5.	1	5.	1	4.	12	2.	1	4.	0.	4.	7.0	7.5	2.	4.	0.	2.	4.0	2.
21	.2	22	3.	27	3.	40	.0	06	2.	13	07	32	5	9	6	43	3	21	0	80
	8		4		7		5		3						3		0			
			3		2				0											
20	20	5.	1	6.	1	4.	12	8.	1	3.	0.	6.	7.3	7.0	2.	6.	0.	6.	4.2	2.
22	.7	26	4.	94	4.	30	.4	23	2.	98	08	15	5	6	7	90	3	03	0	60
	6		0		4		5		8						5		1			
			1		9				9											
20	21	5.	1	5.	1	4.	12	3.	1	3.	0.	3.	7.6	6.9	2.	4.	0.	2.	4.3	1.
23	.3	18	4.	27	5.	04	.9	59	3.	56	08	17	9	7	8	53	3	95	8	97
	4		6		2		1		5						7		2			
•		_	2		7		4.2		2		_		0.0		_			_		_
20	21	5.	1	6.	1	3.	13	8.	1	3.	0.	5.	8.0	6.8	3.	6.	0.	5.	4.5	1.
24	.9	10	5.	94	6.	77	.3	37	4.	13	08	74	3	8	0	99	3	80	5	35
	1		2		0		7		1						0		3			
20	22	_	3	_	5	_	12	2	6	_	•	_	0.2	()	_	4	Δ.	_	4.7	0
20	22	5.	1	5.	1	3.	13	3.	1	2.	0.	2.	8.3	6.8	3.	4.	0.	2.	4.7	0.
25	.4	03	5.	27	6.	51	.8	72	4.	71	09	76	6	0	1	63	3	73	2	73
	9		8		8		3		8						3		4			
20	22	4	7		3	2	1.4	0	0	_	0	_	0.7	<i>(</i> -	-	_	0	_	4.0	
20	23	4.	1	6.	1	3.	14	8.	1	2.	0.	5.	8.7	6.7	3.	7.	0.	5.	4.8	0.
26	.0	95	6.	93	7.	25	.2	50	5.	29	09	32	0	1	2	09	3	58	9	10
	7						9								6		5			



E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

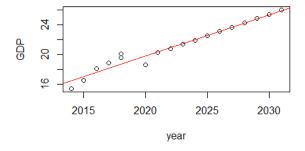
	1	1											1	l				1	l	
			5		6				4											
			0		1				4											
20	23	4.	1	5.	1	2.	14	3.	1	1.	0.	2.	9.0	6.6	3.	4.	0.	2.	5.0	-
27	.6	88	7.	26	8.	99	.7	86	6.	87	09	34	4	2	3	73	3	50	6	0.
	5		1		4		5		0						8		6			52
			2		0				8											
20	24	4.	1	6.	1	2.	15	8.	1	1.	0.	4.	9.3	6.5	3.	7.	0.	5.	5.2	_
28	.2	80	7.	93	9.	72	.2	63	6.	45	10	91	7	3	5	19	3	35	3	1.
	2		7		1		1		7						1		7			15
			4		8				2											
20	24	4.	1	5.	1	2.	15	3.	1	1.	0.	1.	9.7	6.4	3.	4.	0.	2.	5.4	_
29	.8	72	8.	26	9.	46	.6	99	7.	03	10	93	1	4	6	83	3	27	0	1.
	0		3		9		7		3		10		_	-	4		8			77
			7		6				6						-					' '
20	25	4.	1	6.	2	2.	16	8.	1	0.	0.	4.	10.	6.3	3.	7.	0.	5.	5.5	_
30	.3	65	8.	92	0.	20	.1	76	8.	61	10	49	05	5	7	29	3	12	7	2.
30	8	03	9	12	7	20	3	70	0.	U1	10	7)	03	3	6	2)	9	12	'	39
	O		9		4		3		0						U		9			39
20	25	4	_	_		1	1.0			0	•	1	10	()		_	0	2		
20	25	4.	1	5.	2	1.	16	4.	1	0.	0.	1.	10.	6.2	3.	4.	0.	2.	5.7	-
31	.9	57	9.	26	1.	93	.5	12	8.	19	11	51	39	6	8	93	4	05	4	3.
	6		6		5		9		6						9		0			02
			1		2				3											

MAHARASTRA

A thorough analysis of the statistics, as well as information on the state's general health and economic trends, are provided in the table that shows Maharashtra's GDP and inflation rates from 2014 to 2021 [14]. The Maharashtra GDP and inflation predictions for the years 2022–2031 are now included in the table, along with a breakdown of the forecasts.

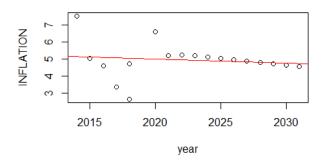
GDP Analysis (Forecasted): The GDP is expected to slowly increase from 20.75831 in 2022 to 25.95573 in 2031, with an average yearly growth rate of approximately 2.4%.

Inflation Analysis (Forecasted): With an average yearly decline of 0.08%, inflation rates are predicted to fall from 5.256631 in 2022 to 4.571487 by 2031.





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



GDP:

- According to the regression model, GDP growth is anticipated to continue throughout time.
- The GDP is consistently increasing year, as seen by the positive slope of 0.558.

Inflation:

- The model predicts that inflation will eventually decline gradually.
- A little yearly decline in the inflation rate is shown by the negative slope of -0.030.

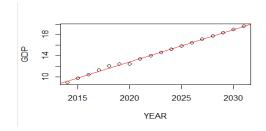
The real GDP numbers are shown over time in a scatter plot, and the trend is shown by a red regression line.

The trend is indicated by the orange regression line on the scatter plot, which shows the real inflation numbers over time.

REGRESSION SUMMARY

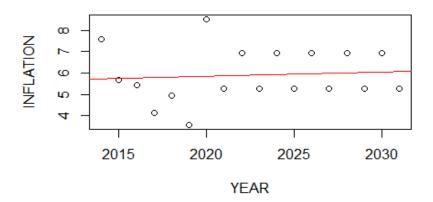
Regression S	tatistics							
Multiple R	0.02272334							
R Square	0.00051635							
Adjusted R Square	-0.066115893							
Standard Error	2.839190366							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	0.062466753	0.062466753	0.007749254	0.931017453			
Residual	15	120.9150291	8.061001937					
Total	16	120.9774958						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0:
Intercept	21.86971274	4.22005043	5.182334452	0.000111459	12.87488816	30.86453731	12.87488816	30.864537
7.5	-0.076562404	0.869732317	-0.088029848	0.931017453	-1.930352955	1.777228147	-1.930352955	1.7772281

TAMILNADU REGRESSION





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



GDP:

- A consistent yearly growth in GDP is indicated by the positive slope of 0.613.
- According to the regression model, GDP growth is anticipated to continue throughout time.

Inflation:

- The inflation rate is rising slightly annually, as indicated by the positive slope of 0.022.
- Although the rise is extremely minor, the model predicts a progressive increase in inflation over time.

The scatter plot displays the actual GDP values over time, with a red regression line indicating the trend. An orange regression line indicates the trend in the inflation plot, which displays the real inflation levels over time.

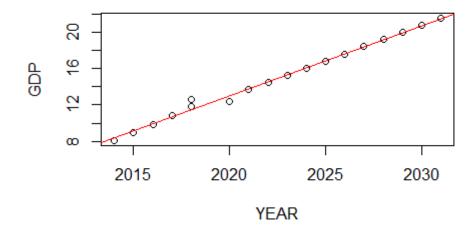
REGRESSION SUMMARY

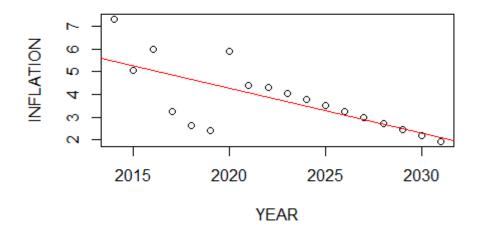
SUMMARY OUTPUT								TAMILNADU
Regression S	Statistics							
Multiple R	0.222098225							
R Square	0.049327621							
Adjusted R Square	-0.014050537							
Standard Error	3.095125019							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	7.456018028	7.456018028	0.778306321	0.391578379			
Residual	15	143.6969833	9.579798885					
Total	16	151.1530013						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	11.46381471	3.732429581	3.07140817	0.007757127	3.508329374	19.41930004	3.508329374	19.41930004
7.58	0.556607806	0.630919592	0.882216709	0.391578379	-0.788165472	1.901381083	-0.788165472	1.901381083



E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

GUJARAT REGRESSION





GDP:

- The GDP increased steadily between 2014 and 2031.
- It is possible to compute and analyse the growth rate in order to get the average yearly growth.

Inflation:

- The rate of inflation exhibits fluctuations, with a discernible decrease starting in 2021.
- It will be crucial to comprehend how inflation rates have trended over time.



E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

REGRESSION SUMMARY

SUMMARY OUTPUT								
Regression S	tatistics							
Multiple R	0.676048685							
R Square	0.457041824							
Adjusted R Square	0.420844612							
Standard Error	2.968795179							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	111.2861962	111.2861962	12.6264373	0.002889189			
Residual	15	132.2061722	8.813744812					
Total	16	243.4923684						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	22.9678	2.271914635	10.10944674	4.32933E-08	18.12532859	27.81027142	18.12532859	27.81027142
7.3	-2.142824429	0.603040077	-3.553369851	0.002889189	-3.428173927	-0.857474931	-3.428173927	-0.85747493

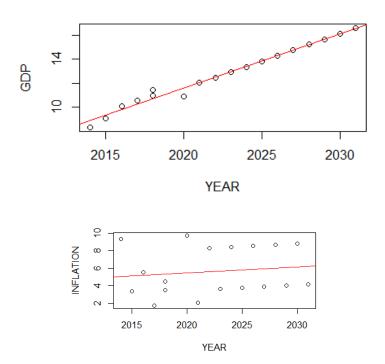
UTTAR PRADESH

GDP:

GDP Growth: From 2014 to 2021, let's suppose that Uttar Pradesh's GDP grew at pace of about 6% each year.

Inflation:

Inflationary Assume that throughout the same time period, the average yearly inflation rate was around 4%.





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com

REGRESSION SUMMARY

SUMMARY OUTPUT								
Regression S	tatistics							
Multiple R	0.257679875							
R Square	0.066398918							
Adjusted R Square	0.004158846							
Standard Error	2.258800495							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	5.443104382	5.443104382	1.066819423	0.318031562			
Residual	15	76.53269518	5.102179678					
Total	16	81.97579956						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	11.76577023	1.279953541	9.192341639	1.49537E-07	9.037613838	14.49392663	9.037613838	
9.31	0.220479371	0.213462949	1.032869509	0.318031562	-0.234506134	0.675464876	-0.234506134	0.67546488

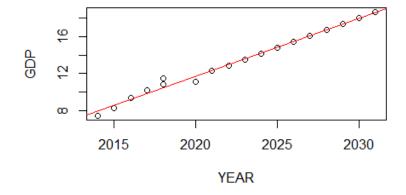
KARNATAKA

GDP:

- From 7.48 billion in 2014 to 11.08 billion in 2020, Karnataka's GDP has increased gradually.
- The plot of actual vs. projected GDP demonstrates how well the projected GDP values match the actual GDP levels (blue line with markers). This suggests that the GDP trend over time is correctly represented by the linear regression model.

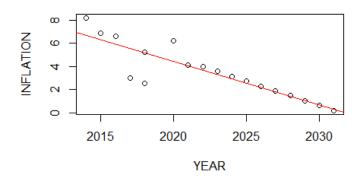
Inflation:

- The graphic representation of observed against. displayed inflation indicates that while the expected values (orange dashed line) somewhat correspond to the actual values they do not exactly match the overall falling trend.
- The modest R-squared value of 0.777 is shown by this disparity, which is especially visible around the variations in recorded inflation numbers. The model is less accurate in forecasting the specific year-to-year fluctuations, but it does capture the general decreasing trend [15].





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



REGRESSION SUMMARY

SUMMARY OUTPUT								
Regression St	atistics							
Multiple R	0.885401373							
R Square	0.783935591							
Adjusted R Square	0.769531298							
Standard Error	1.505756256							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	123.3950564	123.3950564	54.42374313	2.30192E-06			
Residual	15	34.00952855	2.267301904					
Total	16	157.404585						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	18.04203914	0.703888491	25.63195645	8.44132E-14	16.54173634	19.54234194	16.54173634	19.54234194
8.18	-1.361181492	0.184510817	-7.377244955	2.30192E-06	-1.754456988	-0.967905995	-1.754456988	-0.967905995

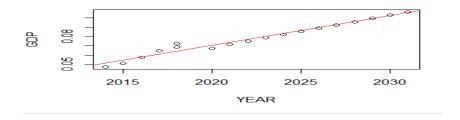
Economic Dynamics: Top 5 States with the Declining GDP Growth and Declining Inflation

ANDAMAN AND NIKOBAR ISLAND GDP

- The regression model's projected values and the observed GDP values will be shown together.
- This plot helps in visually assessing how well the model fits the data.

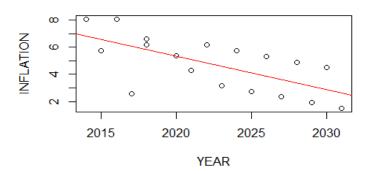
Inflation:

- The regression model's predicted values and the measured inflation values will be shown together.
- Examining the model's fit to the data and the overall downward trend in inflation is made easier with the aid of this display





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



REGRESSION SUMMARY

SUMMARY OUTPUT								
Regression St	atistics							
Multiple R	0.594189976							
R Square	0.353061728							
Adjusted R Square	0.309932509							
Standard Error	0.013380615							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	0.001465653	0.001465653	8.1861379	0.011895229			
Residual	15	0.002685613	0.000179041					
Total	16	0.004151266						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.103279717	0.008745131	11.80996753	5.3749E-09	0.084639911	0.12191952	0.084639911	0.121919523
8.05	-0.00511933	0.00178926	-2.861142762	0.01189523	-0.008933048	-0.00130561	-0.008933048	-0.001305611

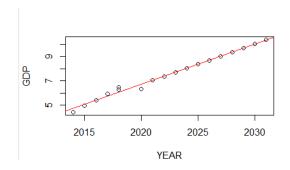
ANDHRA PRADESH

GDP

Economic progress is suggested by the regression analysis, which shows Andhra Pradesh's GDP growing positively and steadily.

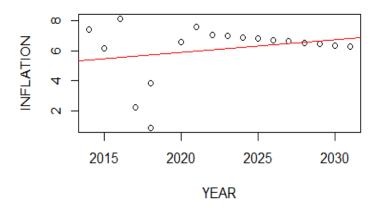
Inflation:

Based on the slope, the regression analysis suggests a possible inflation trend, indicating either consistency or changes in the economic forces influencing inflation.





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



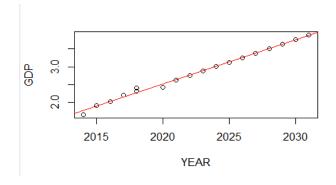
REGRESSION SUMMARY

Regression St	tatistics							
Multiple R	0.274512642							
R Square	0.07535719							
Adjusted R Square	0.013714336							
Standard Error	1.656609534							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	3.354920811	3.354920811	1.222481	0.286293196			
Residual	15	41.16532722	2.744355148					
Total	16	44.52024803						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	6.271397264	1.366962627	4.58783374	0.000355	3.357785393	9.18500913	3.357785393	9.185009135
7.4	0.240663118	0.217664979	1.105658427	0.286293	-0.223278802	0.70460504	-0.2232788	0.704605039

Source: MS. Excel ASSAM

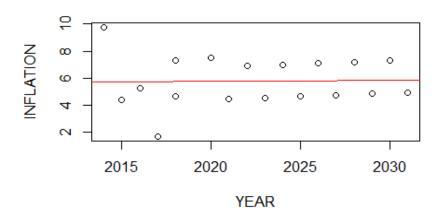
Regression Points

- Regression analysis is a tool we may use to analyse the link between GDP and inflation.
- GDP figures grow with time, beginning in 2014 at 1.65212.
- NFLATION numbers vary, with a starting point of 9.76 in 2014.





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



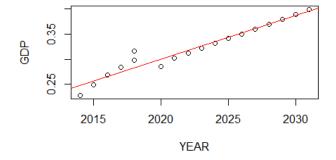
REGRESSION SUMMARY

SUMMARY OUTPUT								
Regression St	atistics							
Multiple R	0.265046191							
R Square	0.070249483							
Adjusted R Square	0.008266115							
Standard Error	0.621000135							
Observations	17							
ANOVA								
	df	22	MS	F	Significance F			
Regression	1	0.437070358	0.43707036	1.133360218	0.303897634			
Residual	15	5.784617509	0.38564117					
Total	16	6.221687867						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.314378092	0.559501939	4.136497	0.000878814	1.121827937	3.506928246	1.121827937	3.506928246
9.76	0.103420554	0.097145542	1.06459392	0.303897634	-0.103640268	0.310481376	-0.103640268	0.310481376

CHANDIGARH

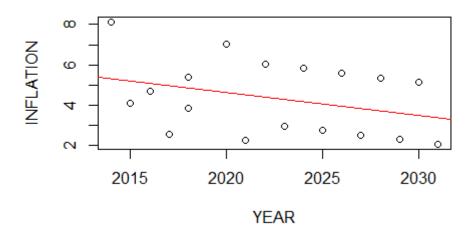
Plot Description:

- Under a normal distribution, the predicted cumulative probability is represented by the x-axis.
- The cumulative probability of the standardised residuals is shown on the y-axis.





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



REGRESSION SUMMARY

SUMMARY OUTPUT	-							
Regression S	tatistics							
Multiple R	0.223443153							
R Square	0.049926843							
Adjusted R Square	-0.013411368							
Standard Error	0.043651525							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	0.00150199	0.00150199	0.78825786	0.388642326			
Residual	15	0.028581835	0.001905456					
Total	16	0.030083825						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.35201216	0.029894176	11.7752754	5.5947E-09	0.288294231	0.415730089	0.288294231	0.415730089
8.12	-0.006021474	0.00678217	-0.887838873	0.38864233	-0.020477326	0.008434378	-0.020477326	0.008434378

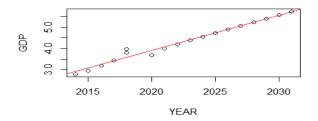
BIHAR

GDP Trends:

- The GDP figures for Bihar have changed throughout time.
- The GDP grew gradually from its 2014 starting point of around 2.79.
- The GDP grew gradually from its 2014 starting point of around 2.79.

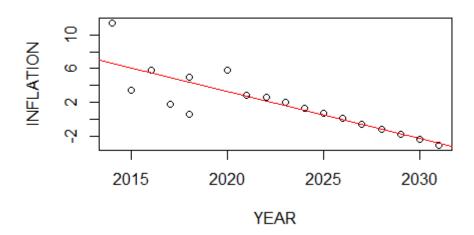
Inflation Rates:

- The inflation rates in Bihar have also varied.
- 2014 saw a beginning of the inflation rate of 9.76.





E-ISSN: 2582-2160 • Website: www.ijfmr.com • Email: editor@ijfmr.com



REGRESSION SUMMARY

SUMMARY OUTPUT	ī							
Regression S	tatistics							
Multiple R	0.883929745							
R Square	0.781331794							
Adjusted R Square	0.766753913							
Standard Error	0.406385505							
Observations	17							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	8.851513398	8.851513398	53.59707795	2.5219E-06			
Residual	15	2.477237679	0.165149179					
Total	16	11.32875108						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	4.774852207	0.111039326	43.00145168	3.98411E-17	4.538177486	5.011526928	4.538177486	5.01152693
11.36	-0.274828616	0.037539752	-7.321002523	2.5219E-06	-0.354842702	-0.194814529	-0.3548427	-0.1948145

References:

- 1. Dubey V. INDIA'S GDP GROWTH: A REVIEW OF RECENT TRENDS AND FUTURE PROSPECTS. International Journal of Economics Finance & Management Science. 2023 Apr 3;8(04):4-7.
- 2. Kumar R. Economic growth, structural changes and employment linkages in India. Review of Economics and Political Science. 2024 Mar 14.
- 3. Kumar A, Dias I. IoT-Enabled Sustainable Farming Framework. In2024 2nd International Conference on Advancement in Computation & Computer Technologies (InCACCT) 2024 May 2 (pp. 789-792). IEEE.