

# NIGER STATE BUREAU OF STATISTICS (NSBS)

Statistical News

## THE NIGER STATE CONSUMER PRICE INDEX (CPI) FROM NOVEMBER, 2009- DECEMBER, 2014)

### BRIEF METHODOLOGY

The Consumer Price Index (CPI) measures the average change over time in prices of goods and services consumed by people for day-to-day living. The construction of the CPI combines economic theory, sampling and other statistical techniques using data from other surveys to produce a weighted measure of average price changes in the Nigerian economy. The weighting occurs to capture the importance of the selected commodities in the entire index. The Major requirement in the construction of the price index is the selection of the market basket of goods and services. The Niger State Bureau of Statistics (NSBS), collects monthly data of the prices of selected 200 goods and services through its Statistical staff based in the 25 Local Government Areas of the State for the computation of the CPI.

The first stage in the calculation of the CPI is the collection of prices on each item (200 goods and services) from outlets in each sector (rural or urban) for each Local Government Area. Prices are then averaged for each item according to sector across the state. The next step is to use the average price to calculate the basic index for each commodity. The current year price of each commodity is compared with a base year's price to obtain a relative price.

Next we use the Laspeyres formula to compute an aggregated index for each group of items (comprising multitude of commodities which have similar consumption purposes). Here the sum of the product of weights (obtained from the expenditure survey) and relative prices for each item is divided by the sum of the weight of the items in that class, and the result multiplied by 100 gives the required index number. This index number is also classified as either the urban or rural for each of the 25 Local Government Areas. These items yield 85 classes and further reclassified into 12 Divisions to derive: 1. The Urban Composite index

2. The Rural Composite index

3. The Combined Urban and Rural (State Composite index)

All the computed indexes cover the period of November, 2009 – December, 2014 with November, 2009 as the base period.

## **CLASSIFICATIONS OF GOOD AND SERVICES**

### **1. FOOD AND NON ALCOHOLIC BEVERAGES**

Food

Bread and cereals

Meat

Fish

Milk, cheese and eggs

Oils and fats

Fruit

Vegetables

Potatoes, Yam & other tubers

Food products n.e.c

Coffee, tea and cocoa

Soft drinks

### **2. ALCOHOLIC BEVERAGES, TOBACCO AND KOLA**

Spirits

Wine

Tobacco

Narcotics

### **3. CLOTHING AND FOOTWEAR**

Clothing materials, other articles of clothing

Garments

Cleaning, repair and hire of clothing

Shoes and other footwear

Repair and hire of footwear

### **4. HOUSING, WATER, ELECTRICITY, GAS**

Actual and imputed rentals for housing

Water supply

Miscellaneous services relating to the dwelling

Electricity

Gas

Liquid fuel

Solid fuels

## **5. FURNISHINGS, HOUSEHOLD EQUIPMENT**

Furniture and furnishings

Carpets and other floor coverings

Repair of Furniture

Household textiles

Major household appliances whether electric or not

Repair of household appliances

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Glassware, tableware and household utensils

Non-durable household goods

Domestic services and household services

## **6. HEALTH**

Pharmaceutical products

Medical services

Dental services

Paramedical services

Hospital services

## **7. TRANSPORT**

Motor cars

Motor cycles

Bicycles

Vehicle spare parts

Fuels and lubricants for personal transportation

Maintenance and repair of personal transport

Passenger transport by road

Passenger transport by air

Passenger transport by sea and inland waterways

## **8. COMMUNICATION**

Postal services

Telephone and telefax equipment

Telephone and telefax services

## **9. RECREATION AND CULTURE**

Audio-visual, photographic and information processing equipments

Photographic development

Musical instrument

Recreational and sporting services

Games of chance

## **10. EDUCATION**

Books & stationery

## **11. RESTAURANTS AND HOTELS**

Catering services

Accommodation services

## **12. MISCELLANEOUS GOODS AND SERVICES**

Hairdressing salons and personal grooming establishments

Appliances, articles and products for personal care

Jewellery, clocks and watches

Insurance

Other services.

## ALL ITEMS INDEX

The combined composite consumer price index (for all items) of the state from January-December, 2014(month-on-month) for both urban and rural is 144.44, 145.58, 147.06, 147.63, 147.09, 149.43, 148.73, 149.94, 153.58, 1576.23, 155.54, and 155.52 respectively. The corresponding inflation rates (Jan-Dec, 2014) were computed as 1.46%, 0.79%, 1.01%, 0.39%, -0.37%, 1.59%, -0.47%, 0.04%, 2.43% ,1.72%,-0.44% and -0.01% respectively.

The combined consumer price index for the state (month-on-month) for both urban and rural Areas in Niger State was positive in January, February, March, April, June, August, September and October, 2014. While Negative in May, July, November and December, 2014.

Thus, there is inflation in January, February, March, April, June, August, September and October, 2014. While there is deflation in May, July, November and December, 2014. The marginal increment In all items index that result to inflation rate between August, September and October, 2014 can be attributed to Fasting and Sallah festival while the marginal decline in all items index that result to deflation rate as at November and December may be attributed to end of raining season and harvesting period of some food crops and vegetables.

## FOOD INDEX

The combined composite consumer price indexes (food items) for the state from January-December, 2014 (month-on-month) for both urban and rural are 141.78, 143.19, 144.18, 144.88, 143.55, 145.90, 145.82, 147.19, 149.61, 152.34, 149.70 and 149.86 respectively.

The corresponding inflation rates (January-December, 2014) were computed as 1.35%, 1.00%, 0.69%, 0.48%, -0.91%, 1.63%, -0.05%, 0.94%, 1.64%, 1.83%, -1.74% and 0.11 respectively.

The combined consumer price index (food items) for the state (month-on-month) for both urban and rural Areas in Niger State was positive in January, February, March, April, June, August, September, October and December, 2014. While Negative in May, July and November, 2014. The marginal increase in the food index that result to inflation rate between August, September and October can be attributed to Fasting and sallah festival periods. While the marginal decrease in food index that result to deflation rate between November and December can be attributed to the harvesting period of some food crops and vegetables.

Year	Month	All Item			Food			Food and Non Alcoholic Beverages	Clothing and footwear	Alcoholic Beverages	Housing Water, Electricity, Gas and fuel	Furnishings. Household Equipment	Health	Transport	Communication	Recreation and Culture	Education	Restaurant and Hotels	Miscellaneous Goods and services
		Index	Month-on-Month % Change	Year-on-year % Change	Index	Month-on-Month % Change	Year-on-Year % Change	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index
2009	Nov	100.00			100.00			100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Dec	101.65	1.65		102.11	2.11		102.10	102.63	104.36	100.68	101.94	101.99	100.80	100.25	103.25	103.94	100.90	100.42
2010	Jan	102.45	0.79		102.35	0.23		102.34	103.80	104.09	103.15	102.22	102.34	101.77	100.25	103.92	104.10	100.94	102.61
	Feb	103.05	0.59		103.13	0.76		103.11	105.06	104.38	103.17	102.35	102.73	102.58	100.25	103.92	104.80	101.38	102.61
	Mar	103.08	0.02		103.15	0.02		103.14	106.06	105.14	102.92	102.95	102.69	102.45	100.25	104.04	104.90	101.66	103.38
	Apr	103.99	0.88		104.41	1.23		104.38	107.22	106.76	103.83	103.15	103.50	102.10	100.41	104.08	105.45	102.01	105.62
	May	105.27	1.23		105.92	1.45		105.88	108.90	106.62	105.17	103.85	104.34	102.66	100.64	105.75	105.59	102.15	107.67
	Jun	105.67	0.38		106.35	0.40		106.31	109.17	106.05	105.45	104.99	104.87	102.94	99.49	106.11	105.87	102.92	108.25
	Jul	106.09	0.40		106.66	0.29		106.62	110.00	106.64	105.81	105.44	105.67	103.85	99.49	105.35	106.52	103.25	108.41
	Aug	106.22	0.13		106.65	-0.01		106.62	112.38	107.23	105.87	104.93	105.25	104.03	99.49	104.79	107.22	103.40	111.37
	Sep	107.09	0.82		107.78	1.06		107.74	113.29	107.90	106.29	105.78	106.66	104.43	99.84	105.04	107.37	103.87	112.81
	Oct	107.80	0.66		108.60	0.76		108.55	114.22	108.40	106.80	106.15	107.45	104.86	98.58	104.89	108.62	104.33	115.84
	Nov	108.16	0.33	8.16	108.50	-0.09	8.50	108.46	114.55	107.85	107.59	105.78	108.58	106.39	98.58	105.92	110.17	104.95	118.00
	Dec	108.60	0.41	6.84	108.82	0.29	6.57	108.78	114.46	107.71	108.55	107.12	109.17	106.49	98.58	106.25	110.79	104.05	118.90

2011	Jan	109.70	1.01	7.07	108.93	0.10	6.43	108.91	115.55	107.69	113.46	107.38	110.56	106.89	98.98	108.23	111.45	104.57	118.77
	Feb	110.12	0.39	6.86	108.91	-0.02	5.60	108.89	116.49	108.66	115.14	108.02	113.79	107.06	98.58	108.97	112.29	105.18	118.95
	Mar	110.87	0.68	7.56	109.85	0.87	6.50	109.83	117.02	108.76	115.62	109.30	114.95	107.18	98.58	109.40	113.84	107.66	120.08
	Apr	111.99	1.02	7.70	111.35	1.36	6.64	111.31	117.60	109.70	116.97	109.93	115.77	107.16	95.25	109.62	114.65	109.43	120.27
	May	114.09	1.87	8.38	113.98	2.36	7.61	113.92	119.33	110.68	119.07	111.42	116.48	107.96	98.58	109.35	115.51	109.42	120.66
	Jun	115.05	0.84	8.87	115.00	0.90	8.14	114.93	119.90	111.60	120.51	112.08	117.08	108.37	98.58	109.73	115.85	110.59	121.01
	Jul	116.29	1.08	9.62	116.66	1.44	9.38	116.58	121.70	112.14	121.67	113.38	117.16	108.70	98.58	109.83	116.03	112.22	118.13
	Aug	116.24	-0.05	9.43	116.43	-0.20	9.17	116.35	122.37	112.66	121.96	113.47	117.27	108.60	98.58	110.28	114.07	112.60	118.69
	Sep	117.63	1.20	9.84	116.31	-0.10	7.91	116.24	122.86	113.03	128.90	114.18	117.02	109.46	99.03	112.22	113.65	112.16	119.09
	Oct	117.95	0.27	9.42	116.95	0.55	7.69	116.88	123.57	113.31	128.82	114.57	117.36	108.95	98.58	111.91	113.23	112.47	119.67
	Nov	118.05	0.08	9.15	116.99	0.03	7.82	116.92	125.37	113.99	128.17	115.26	117.37	109.80	99.11	107.49	113.75	112.37	120.04
	Dec	119.06	0.86	9.64	117.29	0.26	7.78	117.23	126.57	114.62	131.89	116.04	117.55	110.05	99.03	114.40	114.28	113.10	120.79
2012	Jan	123.89	4.06	12.94	121.43	3.53	11.47	121.33	127.43	116.47	136.55	116.85	116.93	121.48	102.84	113.68	118.25	113.56	121.70
	Feb	124.94	0.85	13.46	122.37	0.78	12.36	122.27	128.26	117.01	138.45	117.16	116.60	122.45	102.49	114.24	118.98	113.54	121.87
	Mar	125.60	0.52	13.28	122.76	0.32	11.75	122.67	128.98	116.99	140.22	117.00	116.08	123.13	102.14	113.57	119.44	113.50	122.23
	Apr	126.45	0.68	12.91	123.90	0.93	11.28	123.81	129.76	116.99	140.17	117.11	115.27	124.61	101.98	113.73	119.29	114.74	122.12
	May	126.91	0.37	11.24	124.40	0.40	9.14	124.30	130.33	116.42	140.49	118.51	115.84	124.90	101.98	114.04	119.67	115.32	122.42
	Jun	130.38	2.73	13.33	125.66	1.01	9.27	125.53	130.89	116.69	154.68	119.04	116.38	125.64	102.14	114.01	119.61	116.02	123.57
	Jul	130.44	0.05	12.17	126.19	0.42	8.16	126.06	132.09	117.17	153.12	120.21	117.33	125.38	101.98	114.57	116.96	116.48	123.91
	Aug	131.12	0.52	12.81	126.68	0.39	8.80	126.54	132.79	116.97	154.76	120.97	117.45	125.66	101.98	114.50	116.64	117.35	124.83
	Sep	131.49	0.28	11.78	127.44	0.60	9.57	127.30	132.82	116.75	154.08	121.44	117.71	125.91	102.09	114.17	118.65	118.03	124.80



	Oct	132.40	0.70	12.25	127.80	0.28	9.28	127.66	133.41	116.23	156.43	121.56	117.48	127.79	98.87	115.01	120.12	118.24	125.37
	Nov	133.25	0.64	12.87	128.85	0.82	10.14	128.69	134.44	116.70	156.97	121.85	117.06	128.65	98.12	115.74	120.06	118.26	126.05
	Dec	133.11	-0.10	11.80	129.46	0.48	10.38	129.30	135.22	118.89	154.87	121.39	116.73	127.65	102.09	115.98	120.20	120.31	126.38
2013	Jan	132.62	-0.37	7.04	128.27	-0.92	5.64	128.14	135.98	119.24	154.70	121.80	117.15	128.09	98.86	116.18	121.52	121.15	131.63
	Feb	132.91	0.22	6.37	128.68	0.32	5.16	128.55	136.81	119.76	154.66	121.67	117.23	128.10	98.84	115.97	122.51	123.33	133.02
	Mar	133.27	0.27	6.11	129.14	0.35	5.19	129.01	137.93	121.86	155.38	121.65	117.90	127.53	98.35	116.11	123.54	125.40	132.63
	Apr	133.95	0.51	5.93	130.49	1.05	5.32	130.34	138.39	122.65	153.42	121.93	117.94	128.96	98.73	118.50	126.50	126.91	134.71
	May	134.69	0.55	6.13	130.98	0.38	5.29	130.84	139.54	123.96	153.85	121.79	119.10	130.88	98.87	119.63	134.49	128.22	136.33
	Jun	135.02	0.24	3.56	131.24	0.20	4.44	131.10	140.87	124.03	153.93	121.91	119.66	131.63	98.87	120.35	134.49	129.62	136.46
	Jul	136.54	1.13	4.68	132.47	0.93	4.97	132.31	142.59	124.19	154.42	123.99	120.80	135.71	98.87	122.11	132.56	131.55	138.64
	Aug	137.82	0.93	5.10	133.49	0.77	5.38	133.32	143.33	124.45	157.90	123.56	122.29	135.70	98.87	124.41	133.17	134.57	140.03
	Sep	137.78	-0.03	4.79	134.43	0.70	5.48	134.26	143.95	125.58	153.39	124.35	121.41	137.14	98.73	125.44	131.74	135.19	141.53
	Oct	139.88	1.52	5.65	135.73	0.97	6.20	135.54	144.26	125.55	159.62	123.96	121.90	138.86	98.73	124.50	130.18	135.07	142.34
	Nov	140.73	0.61	5.61	137.25	1.12	6.52	137.05	144.76	127.37	159.10	124.21	122.33	139.16	101.68	124.45	130.87	134.96	143.12
	Dec	142.35	1.16	6.94	139.90	1.93	8.06	139.69	146.43	128.95	158.50	125.09	123.43	140.16	99.49	124.82	133.08	135.93	144.24
2014	Jan	144.44	1.46	8.91	141.78	1.35	10.53	141.58	150.07	134.88	158.51	136.57	142.39	140.64	91.10	124.70	134.80	135.30	157.80
	Feb	145.58	0.79	9.54	143.19	1.00	11.27	142.98	152.66	138.32	159.03	141.07	144.46	140.23	94.37	123.39	134.75	135.31	158.86
	Mar	147.06	1.01	10.35	144.18	0.69	11.65	143.97	154.46	139.97	160.19	141.63	147.17	144.16	94.47	123.31	136.31	135.08	162.20
	Apr	147.63	0.39	10.22	144.88	0.48	11.03	144.66	154.14	140.50	160.62	142.30	148.48	144.49	94.74	123.69	138.37	135.43	163.19
	May	147.09	-0.37	9.20	143.55	-0.91	9.60	143.37	154.27	140.95	160.91	143.00	148.89	140.62	97.38	123.84	139.01	136.16	163.92
	June	149.43	1.59	10.67	145.90	1.63	11.17	145.67	155.03	140.97	166.64	142.95	148.85	141.01	91.03	123.88	138.76	136.71	162.10

	july	148.73	-0.47	8.93	145.82	-0.05	10.08	145.56	156.60	141.50	169.97	110.37	149.00	141.28	91.86	123.85	139.47	136.95	162.92
	Aug	149.94	0.04	7.96	147.19	0.94	10.26	146.90	157.00	141.42	169.89	112.51	149.19	146.76	92.35	123.94	138.79	136.82	174.24
	Sep	153.58	2.43	11.47	149.61	1.64	11.29	149.30	145.32	191.24	175.58	115.24	152.00	147.27	94.77	125.69	138.19	136.34	174.83
	oct	156.23	1.72	11.69	152.34	1.83	12.24	150.47	167.01	185.71	180.12	124.23	157.14	152.74	92.30	126.99	134.84	138.50	176.99
	Nov	155.54	-0.44	10.53	149.70	-1.74	9.07	149.47	131.38	186.07	181.84	125.35	159.05	151.33	92.72	130.34	88.11	139.18	179.62
	Dec	155.52	-0.01	9.25	149.86	0.11	7.12	149.66	132.53	179.31	183.93	125.37	159.69	148.87	102.89	123.43	88.42	138.66	179.16