On poverty and inflation statistics in Tunisia

Jamal Ouididi

## Introduction:

## Population of Tunisia per governorate

 for the year 2017:| Governorates | Population |
| :--- | :---: |
| Tunis | 1069663 |
| Ariana | 628063 |
| Ben Arous | 677775 |
| Manouba | 402755 |
| Total- Grand Tunis (Greater Tunis) | $\mathbf{2 7 7 8 2 5 7}$ |
| Nabeul | 831181 |
| Zaghouan | 184258 |
| Bizerte | 585452 |
|  | $\mathbf{1 6 0 0 8 9 2}$ |
| Béja | 306454 |
| Jendouba | 403999 |
| Kef | 246510 |
| Siliana | 226998 |
|  | $\mathbf{1 1 8 3 9 6 2}$ |
| Sousse | 715744 |
| Monastir | 580760 |
| Mahdia | 430471 |
| Sfax | 994271 |
| Centre-East | $\mathbf{2 7 2 1 2 4 5}$ |
| Kairouan | 585860 |
| Kasserine | 452001 |
| Sidi Bouzid | 445478 |
| Center-West | $391143 \mathbf{3 3 9}$ |
| Gabès | 501792 |
| Medenine |  |
|  |  |
|  |  |


| Tataouine | 150532 |
| :--- | :---: |
| North West | $\mathbf{1 0 4 3 4 6 7}$ |
| Gafsa | 347225 |
| Tozeur | 112327 |
| Kebili | 164279 |
| South West | $\mathbf{6 2 3 8 3 1}$ |
|  |  |
| Total | $\mathbf{1 1 4 3 4 9 9 4}$ |

Demographic indicators:

| Indicator | Unit | $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Births | Per 1000 <br> citizens | 20.2 | 20.5 | 20.5 | 19.9 | 19.4 |
| Deaths | Per 1000 <br> citizens | 5.9 | 5.7 | 5.7 | 5.9 | 5.5 |
| Marriages | Per 1000 <br> citizens | 20.4 | 20.2 | 20.1 | 19.4 | 17.6 |
| Population <br> increase | Percentage | 1.4 | 1.5 | 1.48 | 1.4 | 1.39 |
| Birth indi- <br> cator | Per female | 2.4 | 2.4 | 2.42 | 2.3 | 2.31 |
| Child mor- <br> tality (\%) | Per 1000 <br> births | 16.7 | 15.7 | 16.3 | 15.3 | 14.2 |

Source: National Institute of Statistics, Date: July 4, 2019

## 1-Line of poverty statistics:

Based on statistics released by the National Institute of Statistics for 2015 as the index reference period or the base year, it becomes clear that the number of the poor rose to
$1,968,639$, that is $15.2 \%$ of the total population ( 11.27 million in 2015) compared to $15.5 \%$ in $2010,23.3 \%$ in 2005 , and $32.4 \%$ in 2000. These statistics were released in a study entitled "Measuring poverty, inequality, and polarization between 2000 and 2010" conducted by the National Institute for Statistics in cooperation with the African Development Bank and the World Bank. In late 2011, the institute revised the concept of poverty based on an analysis of the family survey conducted in the years 2000, 2005, and 2010 and of another survey conducted between 2010 and 2011 on the budget, consumption, and the living standards of families.

The survey conducted in 2010 included a sample of 13,392 families chosen randomly. The committee that supervised the survey was comprised of Tunisian academics, government representatives, and civil society representatives. The survey modified the criteria according to which poverty is measured, hence underlining the development of poverty throughout the past decade. The survey revealed that members of a family in Tunisia would realize they are poor if their consumption goes below the poverty line identified at USD 1, 277 (1,277 Tunisian dinars) per year per person in big cities and USD 820 ( 820 Tunisian dinars) per year per person in rural areas. The percentage of extreme poverty
reached $4.6 \%$ in 2010 , compared to $7.6 \%$ in 2005 and $12 \%$ in 2000. The survey estimated poverty line at 757 dinars per year per person in big cities and 571 dinars per year per person in rural areas. However, the National Institute for Statistics did not show that this drop in the percentage of poverty and extreme poverty does not apply to the Center West and the North West, in which poverty and extreme poverty rates rose remarkably higher than other regions during the decade covered by the survey. The rise in the gap from $49.9 \%$ in 2000 to $62.5 \%$ in 2010 confirms according to the survey that the feeling of marginalization by residents of disenfranchised regions intensified in the interval between 2000 and 2010. The survey also shows that families in which the head of household is unemployed or uneducated are more likely to become poor or extremely poor. According to the survey, modifications to the system through which poverty is measured are basically related to the welfare indicator and the identification of the line of poverty.

## 2-Expenditure data and poverty rates:

Table on expenditure and the percentages of poverty and extreme poverty for the year 2015:

| Spending/ person (National, 2015) $3871$ | Spending/ person (Municipal, 2015) $4465$ | Spending/ person (non-municipal, 2015) <br> 2585 |
| :---: | :---: | :---: |
| Spending/ household <br> (National, 2015) <br> 15561 | Spending/ household (Municipal, 2015) <br> 17365 | Spending/ household (non-municipal, 2015) <br> 11264 |
| Poverty rate (National, $\begin{aligned} & 2015) \\ & 15.2 \% \end{aligned}$ | Poverty rate (Municipal, 2015) $10.1 \%$ | Poverty rate (non-municipal, 2015) $26 \%$ |
| Extreme poverty rate (National, 2015) $2.9 \%$ | Extreme poverty rate (Municipal, 2015) <br> 1.2\% | Extreme poverty rate (non-municipal, 2015) <br> 6.6\% |
| The poor (2015) $1.693 .968$ | The extremely poor $\begin{gathered} (2015) \\ \mathbf{3 2 0 . 9 3 8} \end{gathered}$ | GINI coefficient $\begin{aligned} & (2015) \\ & \mathbf{3 0 . 9} \% \end{aligned}$ |

Source: National Institute of Statistics

## 3-Inflation data:

The National Institute for Statistics periodically issues a family expenditure report depending on a reference year known as the base year. Starting January 2019, the institute started issuing the results of consumption expenditure using

2015 as a base year instead of 2010 , which was the base year until the end of 2018. Also starting January 2019, the institute implemented methodological change on the occasion of changing the base year from 2010 to 2015.

3-1 Based on this, the institute documented a rise in prices upon consumption by $0.8 \%$ in January 2019, compared to the month before.

## Table (1): Main changes in prices of foods and beverages:

| Main products | Monthly changes | Annual changes |
| :---: | :---: | :---: |
| Fresh vegetables | $7.1 \%$ | $5.6 \%$ |
| Poultry | $7.2 \%$ | $9.2 \%$ |
| Eggs | $4.5 \%$ | $33.8 \%$ |
| Lamb | $3.4 \%$ | $17.0 \%$ |
| Cheese and dairy prod- | $2.8 \%$ | $11.8 \%$ |
| ucts | $1.8 \%$ | $15.7 \%$ |
| Beef | $1.1 \%$ | $11.9 \%$ |
| Spices | $0.9 \%$ | $6.3 \%$ |
| Dried fruits | $1.0 \%$ | $17.1 \%$ |
| Cereals | $0.9 \%$ | $8.4 \%$ |


| Main products | Monthly changes | Annual changes |
| :---: | :---: | :---: |
| Mineral water \& fizzy <br> drinks | $0.7 \%$ | $6.4 \%$ |
| Legumes | $0.5 \%$ | $8.1 \%$ |
| Food oils | $-0.2 \%$ | $-1.2 \%$ |
| Coffee | $0.0 \%$ | $0.0 \%$ |
| Fresh fruits | $-0.9 \%$ | $-0.2 \%$ |
| Fresh fish | $-0.4 \%$ | $2.9 \%$ |

3-2 In December 2018, the percentage of the rise in the family consumption expenditure indicator was estimated at $0.5 \%$. The institute attributes this rise to an increase in the prices of food and beverages by $2.2 \%$, including fresh vegetables, poultry, eggs, and meat, as shown in the above table. Furniture and household items and services increased by $0.9 \%$, which was particularly felt in cleaning supplies that increased by $1.2 \%$, construction material by $0.7 \%$, and electrical appliances by $0.6 \%$. Healthcare items and services by $0.7 \%$, mainly demonstrated through drug prices (1.1\%) and medical services in the private sector ( $0.6 \%$ ). 3-3 The National Institute for Statistics recorded a 7.1\% decline in the inflation rate in family consumption expenditure for January 2019, compared with 7.5\% in December 2018.

| Household consumer index rate |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Year 2015 |  |  |  |  |  |
| Froups results for January 2019 (Source: National Institute for Statistics) |  |  |  |  |  |
|  | \% | Jan. 2019 | Jan. 2019 | Jan. 2019 | 1-month rate |
|  | Dec. 2018 | Dec. 2018 | Jan. 2018 | 2018/2019 |  |
| Food \& beverages | 26.2 | 2.2 | 2.2 | 7.1 | 7.1 |
| Tobacco \& alcoholic <br> beverages | 2.8 | 0.0 | 0.0 | 0.3 | 0.3 |
| Clothing \& footwear | 7.4 | 0.3 | 0.3 | 9.4 | 9.4 |
| Housing \& energy | 19.0 | 0.3 | 0.3 | 5.2 | 5.2 |
| Furniture \& appli- <br> ances | 5.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| Healthcare | 5.8 | 0.7 | 0.7 | 4.6 | 4.6 |
| Transportation | 12.7 | 0.0 | 0.0 | 10,2 | 10.2 |
| Telecommunications | 4.6 | 0.0 | 0.0 | 0.1 | 0.1 |


| Culture\& entertain- <br> ment | 2.1 | 0.6 | 0.6 | 6.2 | 6,2 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Education | 3.2 | 0.0 | 0.0 | 7.3 | 7.3 |
| Hotels\& restaurants | 4.6 | 0.5 | 0.5 | 8.6 | 8.6 |
| Other goods \& ser- <br> vices | 5.6 | 0.9 | 0.9 | 10.9 | 10.9 |
| General indicator | 100 | 0.8 | 0.8 | 7.1 | 7.1 |


| 8＇0 | 8＇0 | L＇L | L＇L |  | K．renuef |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | İnuuv | Кq วธีนหчว | К［ЧІUOW |  | чนООК |
|  |  |  |  | 6LOZ |  |
| L＇も | L＇も | $L 0$ | $L 0$ |  | LIOZ ${ }^{\text {Uef }}$ |
| $9 \cdot 9$ | 9＊9 | でし | でし |  | 8 I0Z ${ }^{\text {U }}$［ |
|  |  |  |  |  |  |
| $\varepsilon \cdot L$ | $\varepsilon^{\prime} L$ | 80 | 80 | でL6 |  |
| 6.9 | 6.9 | 6.0 | 6.0 | 9＊ 76 |  |
| $1 \cdot 2$ | $1 \cdot 2$ | カ＇0 | ガ0 | $\varepsilon \cdot 99$ |  |
| 1.2 | 1.2 | 6.0 | 6.0 | G ${ }^{\text {c }} 6$ | Кธิ．ıəข snu！̣u［セłOL |

According to the institute, this decline in the inflation rate is attributed to a drop in the impact on increases recorded in January 2018, when the new 2018 Finance Law was put into effect and led to an increase in the value-added tax (VAT) from $18 \%$ to $19 \%, 12 \%$ to $13 \%$, and $6 \%$ to $7 \%$, that is a $1 \%$ rise in each of the installments applied throughout the country. It is noteworthy that the National Institute for Statistics started its analysis through comparing the inflation rate in January 2019 with that of December 2018 then went back to January 2018 in an attempt to explain the drop in inflation rate in January 2019 through assuming that 2018 saw the start of the implementation of VAT increases whereas 2019 did not see any similar increase. The institute did not also mention the impact of remarkable increases in energy prices (electricity and natural gas) authorized by the government in mid-2018. This increase reached $13 \%$ for domestic consumption and $46 \%$ for corporate consumption, which led to an increase in the prices of the products of energy-intensive industries such construction material, healthcare items, and food.

3-4 Prices of food rose rapidly in January 2019 from 0.6\% in the previous month to $7.1 \%$ throughout the year. Prices of meat increased by $13.3 \%$, dairy products and eggs by $11.8 \%$, vegetables by $6.3 \%$, fish by $4.6 \%$, and processed food products by $5.5 \%$.

3-5 Prices of transportation increased by $10.2 \%$ compared to January 2018. The institute attributed that to the increase in car prices by $11.4 \%$, car expenses such as spare parts and fuel by $10 \%$, and transportation services by $8.8 \%$.

3-6 According to the institute, the implicit inflation rate for January 2019, that is minus energy and food, was estimated at $7.1 \%$, compared to $7.9 \%$ in December 2018. The institute also stated that that the prices of unpriced goods rose by $8.3 \%$, compared to $5.1 \%$ for priced goods, taking into consideration that the annual sliding scale for unpriced foodstuffs reached $6.8 \%$, compared to $2.3 \%$ for priced foodstuffs.

## 4-Methodological modifications for base year 2015:

Upon introducing those modifications, detailed in the table below, the National Institute for Statistics stated that the consumer price index is one of the most important economic indicators since it is basically used for determining the adequate economic, financial, and social policies as well as a reference in wage adjustments. The institute also noted that the consumer price index is measured through tracing the development of the cost of a particular package, or a market basket, of goods and services with fixed specifications and quality purchased by Tunisian households. It is
noteworthy that the consumer price index in Tunisia was reviewed eight times since independence in 1956. After shifting to 2015 as the base year, the weighted average of each item in the expenditure list was identified and so was geographical coverage as of that year.

4-1 Weighted average:
The National Institute for Statistics confirmed that weighted averages are determined through the national survey, conducted every five years, of household expenditure and consumption for 2015 . According to the institute, the weighted average of food and beverages dropped from $28.1 \%$ to $26.2 \%$. On the other hand, the weighted average of housing and utilities rose from $17 \%$ to $19 \%$, which was particularly demonstrated in the rise of the weighted average of rent from $10 \%$ to $12 \%$. Table (2) shows the weighted averages of base years 2010 and 2015.

Table (2): weighted averages for bases years 2010 and 2015:

| Categories | Base year 2015 | Base 2010 |
| :---: | :---: | :---: |
| Food \& beverages | $26.2 \%$ | $28.1 \%$ |
| Tobacco \& alcoholic beverages | $2.8 \%$ | $2.9 \%$ |
| Clothing \& footwear | $7.4 \%$ | $8.4 \%$ |
| Housing \& utilities | $19.0 \%$ | $17.0 \%$ |
| Furniture \& electric appliances | $5.9 \%$ | $6.8 \%$ |


| Categories | Base year 2015 | Base 2010 |
| :---: | :---: | :---: |
| Healthcare | $5.8 \%$ | $5.6 \%$ |
| Transportation | $12.7 \%$ | $12.1 \%$ |
| Telecommunications | $4.6 \%$ | $5.6 \%$ |
| Culture \& entertainment | $2.1 \%$ | $2.0 \%$ |
| Education | $3.2 \%$ | $2.4 \%$ |
| Restaurants \& hotels | $4.6 \%$ | $4.3 \%$ |
| Other goods \& services | $5.6 \%$ | $4.9 \%$ |
| Total | $\mathbf{1 0 0 \%}$ | $\mathbf{1 0 0 \%}$ |

4-2 Market basket of consumer goods and services:
The National Institute for Statistics announced that the market basket of consumer goods and services was revised through adding new items and authorizing the addition of more. However, the institute did not provide a list of the items added compared to 2010 . This lack of transparency puts the credibility of the review process into question.

Table (3): Number of products and services in the market basket of base year 2015:

| Categories | Number of <br> products | Number of <br> Varieties |
| :---: | :---: | :---: |
| Food \& beverages | 165 | 1458 |
| Alcoholic beverages \& tobacco | 13 | 89 |
| Clothing \& footwear | 116 | 1041 |
| Housing \& utilities | 27 | 216 |
| Furniture \& appliances | 149 | 765 |


| Categories | Number of <br> products | Number of <br> Varieties |
| :---: | :---: | :---: |
| Healthcare | 27 | 309 |
| Transportation | 56 | 297 |
| Telecommunications | 11 | 69 |
| Culture \& entertainment | 62 | 294 |
| Education | 5 | 129 |
| Restaurants \& hotels | 26 | 156 |
| Other goods \& services | 63 | 351 |
| Total | $\mathbf{7 2 0}$ | $\mathbf{5 1 7 4}$ |

## 4-3 Sales outlets:

As part of its plan to expand geographical coverage, the National Institute for Statistics announced adding sale outlets to the indicator used to measure poverty. The addition of new items to the market basket also necessitated the addition of more outlets. According to the institute, sale outlets increased from 3,452 in 2010 to 4,280 in 2015, distributed based on table (4) below, also issued by the institute.

Table (4): Sample of sale outlets numbers for base years 2010 and 2015:

| Type of sales outlets | Base year 2015 | Base year 2010 |
| :---: | :---: | :---: |
| Large stores | 178 | 125 |
| Municipal markets | 85 | 88 |
| Stores, bakeries, $\&$ cafés | 195 | 205 |
| Clothing stores | 393 | 382 |


| Type of sales outlets | Base year 2015 | Base year 2010 |
| :---: | :---: | :---: |
| Specialized stores (furni- <br> ture, electric appliances, <br> spare parts, construction <br> material... etc.) | 392 | 373 |
|  <br> private) | 1695 | 1485 |
| Other stores | 1122 | 992 |
| Weekly markets | 22 | 22 |
| Total | $\mathbf{4 0 8 2}$ | $\mathbf{3 6 7 2}$ |

The table above demonstrates that outlets added in base year 2015 are 410, compared to 2010. However, the institute did not provide an account of the geographical distribution of those outlets whether across the country or in neighborhoods in big and medium cities.

Below are additional tables:

Household consumer price index
Base year: 2015
Monthly changes: January/ December
Source: National Institute of Statistics

| Categories \& sub-categories | 2016 | 2017 | 2018 | 2019 |
| :--- | :---: | :---: | :---: | :---: |
| Food \& beverages | 0.1 | 1.4 | 1.1 | 2.2 |
| Foodstuffs | 0.1 | 1.5 | 1.0 | 2.3 |
| Bread \& grains | 0.1 | 0.5 | 1.4 | 0.4 |
| Meat | -0.8 | -0.6 | 0.8 | 4.4 |
| Fish | 0.8 | 1.6 | 1.2 | -0.3 |
| Milk, dairy products \& eggs | 0.0 | 0.5 | 2.1 | 2.8 |
| Cooking oil | 0.8 | 2.1 | 0.7 | -0.1 |
| Fruits\& dried fruits | 4.2 | -2.9 | 3.5 | -0.6 |
| Vegetables | -1.6 | 7.9 | -1.4 | 4.9 |
| Sugar, sweets, chocolate... etc. | 0.1 | 0.7 | 2.0 | 0.5 |
| Beverages | 1.1 | 0.5 | 1.8 | 0.6 |
| Coffee \& tea | 0.1 | 0.0 | 3.3 | 0.4 |
| Mineral water, fizzy drinks, juice | 1.5 | 0.7 | 1.2 | 0.7 |
| Alcoholic beverages \& tobacco | 0.1 | 0.0 | 0.2 | 0.0 |
| Alcoholic beverages | 1.8 | 0.0 | 3.3 | 0.6 |
| Tobacco \& cigarettes | 0.0 | 0.0 | 0.0 | 0.0 |
| Clothing \& footwear | 0.9 | 0.4 | -0.3 | 0.3 |
| Clothing basics | 0.6 | 0.3 | -0.3 | 0.5 |
| Fabrics | 1.0 | 0.4 | -0.1 | 0.9 |
| Clothes | 0.6 | 0.3 | -0.3 | 0.4 |
| Accessories | 0.4 | 0.4 | 0.0 | 0.7 |
| Footwear | 1.7 | 0.5 | -0.4 | -0.1 |
| Housing \& utilities | 0.4 | 1.5 | 0.7 | 0.3 |
|  |  |  |  |  |


| Categories \& sub-categories | 2016 | 2017 | 2018 | 2019 |
| :--- | :---: | :---: | :---: | :---: |
| Rent | 0.6 | 1.4 | 0.5 | 0.4 |
| Maintenance | 0.0 | 0.3 | 4.0 | 0.6 |
| Potable water | 0.3 | 0.0 | 0.0 | 0.0 |
| Electricity, gas \& fuel | 0.0 | 2.9 | 0.6 | 0.0 |
| Furniture \& household supplies | 0.3 | 0.2 | 1.3 | 0.9 |
| Furniture | 0.2 | 0.3 | 1.5 | 0.7 |
| Curtains \& linen | 0.3 | 0.6 | 0.2 | 0.7 |
| Electrical appliances | 0.2 | 0.2 | 1.1 | 0.6 |
| Kitchen utensils | 0.4 | 0.1 | 0.8 | 0.6 |
| Cleaning tools \& supplies | 0.3 | 0.3 | 1.4 | 0.8 |
| Material \& services for mainte- <br> nance | 0.3 | 0.2 | 1.6 | 1.5 |
| Healthcare | 0.3 | 0.0 | 1.1 | 0.7 |
| Pharmaceuticals | 0.2 | 0.0 | 1.1 | 1.1 |
| Medical care | 0.7 | 0.0 | 1.6 | 0.6 |
| Hospital care | 0.0 | 0.0 | 0.0 | 0.0 |
| Transportation | 0.0 | 0.0 | 2.7 | 0.0 |
| Cars | 0.0 | 0.1 | 4.0 | 0.1 |
| Car expenses | -1.0 | 0.1 | 3.0 | 0.2 |
| Public \& private transportation <br> services | 1.6 | -0.2 | 0.4 | -0.6 |
| Telecommunications | 0.0 | 0.1 | 0.9 | 0.0 |
| Post service | 0.0 | 33.8 | 0.0 | 0.0 |
| Telecommunication devices | -0.3 | -0.1 | 1.3 | -0.2 |
| Telecommunication services | 0.0 | 0.0 | 0.9 | 0.0 |
| Culture \& entertainment | 0.2 | -0.3 | 2.1 | 0.6 |
| Audio, visual \& media devices | -0.1 | -0.3 | 3.5 | 0.4 |
| Other entertainment devices | -0.4 | -0.1 | 1.6 | 0.7 |


| Categories \& sub-categories | 2016 | 2017 | 2018 | 2019 |
| :--- | :---: | :---: | :---: | :---: |
| Cultural \& entertainment activ- <br> ities | 0.2 | 0.4 | 0.7 | 0.2 |
| Cultural \& entertainment ser- <br> vices | 0.6 | -0.9 | 0.2 | 0.1 |
| Newspapers, magazines \& books | 0.4 | 0.1 | 3.1 | 3.3 |
| Education | 0.5 | 0.1 | 0.9 | 0.0 |
| Elementary \& preparatory edu- <br> cation | 0.0 | 0.0 | 0.2 | 0.0 |
| High school education | 0.0 | 0.0 | 0.4 | 0.0 |
| Stationary | 1.7 | 0.0 | 0.9 | 0.1 |
| Textbooks | 0.0 | 0.0 | 0.0 | 0.0 |
| Private tutoring | 0.9 | 0.3 | 2.0 | 0.0 |
| Hotels \& restaurants | 0.1 | 0.2 | 1.3 | 0.5 |
| Restaurants \& coffee houses | 0.2 | 0.2 | 1.4 | 0.9 |
| Hotels | -0.7 | 0.7 | 0.3 | -2.8 |
| Other items \& services | 1.1 | 0.3 | 2.3 | 0.9 |
| Personal care | 0.1 | 0.4 | 2.6 | 1.2 |
| Personal items | 0.5 | 0.3 | 1.0 | 0.6 |
| Insurance | 6.7 | 0.0 | 1.8 | 0.0 |
| Financial services | 0.0 | 0.0 | 0.0 | 0.0 |
| Total | 0.3 | 0.7 | 1.2 | 0.8 |

Household consumer price index Base year: 2015

## Annual sliding scale: January/ January

| Categories \& sub-cat- <br> egories | 2016 | 2017 | 2018 | 2019 | Weighted <br> average |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Food \& beverages | 1.4 | 4.9 | 7.5 | 7.1 | $26.2 \%$ |
| Foodstuffs | 1.1 | 5.0 | 7.7 | 7.2 | $24.3 \%$ |
| Bread \& grains | 1.7 | 1.8 | 4.0 | 4.3 | $3.8 \%$ |
| Meat | -3.1 | -0.9 | 10.5 | 13.3 | $5.5 \%$ |
| Fish | 3.9 | 9.0 | 7.5 | 4.6 | $1.0 \%$ |
|  <br> eggs | 0.6 | 1.1 | 4.6 | 11.8 | $4.0 \%$ |
| Cooking oil | 6.1 | 10.2 | 16.6 | -0.2 | $2.0 \%$ |
| Fruits\& dried fruits | 4.9 | 4.5 | 16.0 | 1.8 | $2.3 \%$ |
| Vegetables | 0.3 | 17.0 | 2.0 | 6.3 | $4.2 \%$ |
| Sugar, sweets, choco- <br> late... etc. | 3.3 | 2.7 | 5.1 | 6.1 | $0.8 \%$ |
| Beverages | 5.8 | 4.4 | 5.3 | 6.6 | $2.0 \%$ |
| Coffee \& tea | 5.5 | 0.3 | 6.7 | 7.0 | $0.6 \%$ |
| Mineral water, fizzy <br> drinks, juice | 6.0 | 6.2 | 4.7 | 6.4 | $1.4 \%$ |
|  <br> tobacco | 0.7 | -0.9 | 12.5 | 0.3 | $2.8 \%$ |
| Alcoholic beverages | 9.0 | -10.9 | 5.9 | 4.7 | $0.2 \%$ |
| Tobacco \& cigarettes | 0.0 | 0.0 | 13.1 | 0.0 | $2.6 \%$ |
| Clothing \& footwear | 7.5 | 6.7 | 5.9 | 9.4 | $7.4 \%$ |
| Clothing basics | 7.5 | 6.5 | 6.7 | 9.2 | $5.2 \%$ |
| Fabrics | 4.0 | 2.5 | 4.9 | 9.6 | $0.2 \%$ |
| Clothes | 7.2 | 6.7 | 6.9 | 9.2 | $4.6 \%$ |


| Categories \& sub-cat- <br> egories | 2016 | 2017 | 2018 | 2019 | Weighted <br> average |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Accessories | 13.2 | 6.9 | 6.2 | 9.6 | $0.2 \%$ |
| Footwear | 7.4 | 7.2 | 4.2 | 9.8 | $2.2 \%$ |
| Housing \& utilities | 4.9 | 6.2 | 3.9 | 5.2 | $19.0 \%$ |
| Rent | 7.1 | 6.6 | 4.1 | 4.7 | $12.1 \%$ |
| Maintenance | 2.3 | 2.2 | 14.6 | 11.3 | $1.5 \%$ |
| Potable water | 3.2 | 15.8 | 0.0 | 3.9 | $1.5 \%$ |
| Electricity, gas \& fuel | 0.1 | 2.9 | 0.7 | 5.0 | $4.0 \%$ |
| Furniture \& household <br> supplies | 5.4 | 4.0 | 6.8 | 9.0 | $5.9 \%$ |
| Furniture | 6.8 | 3.6 | 5.9 | 7.9 | $1.2 \%$ |
| Curtains\& linen | 6.3 | 7.1 | 6.1 | 9.3 | $0.4 \%$ |
| Electrical appliances | 4.1 | 3.3 | 6.1 | 8.2 | $1.8 \%$ |
| Kitchen utensils | 6.3 | 6.0 | 7.4 | 9.6 | $0.4 \%$ |
| Cleaning tools \& sup- <br> plies | 5.2 | 4.4 | 11.3 | 9.5 | $0.3 \%$ |
| Material \& services for <br> maintenance | 5.4 | 3.9 | 7.4 | 10.1 | $2.0 \%$ |
| Healthcare | 2.9 | 2.4 | 5.1 | 4.6 | $5.8 \%$ |
| Pharmaceuticals | 2.3 | 1.8 | 4.1 | 5.3 | $2.8 \%$ |
| Medical care | 5.1 | 4.4 | 8.8 | 5.5 | $2.0 \%$ |
| Hospital care | 0.0 | 0.0 | 0.0 | 0.0 | $0.9 \%$ |
| Transportation | 1.4 | 4.6 | 8.8 | 10.2 | $12.7 \%$ |
| Cars | 1.1 | 11.6 | 14.6 | 11.4 | $3.6 \%$ |
| Car expenses | 1.1 | 2.1 | 9.4 | 10.0 | $5.8 \%$ |
| Public \& private trans- <br> portation services | 2.4 | 1.4 | 0.9 | 8.8 | $3.3 \%$ |
| Telecommunications | -3.5 | 0.5 | 2.6 | 0.1 | $4.6 \%$ |


| Categories \& sub-cat- <br> egories | 2016 | 2017 | 2018 | 2019 | Weighted <br> average |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Post service | 0.0 | 33.8 | 0.0 | 0.0 | $0.0 \%$ |
| Telecommunication de- <br> vices | -7.5 | 3.1 | 5.6 | 0.8 | $0.5 \%$ |
| Telecommunication ser- <br> vices | -3.0 | 0.0 | 2.3 | 0.0 | $4.1 \%$ |
| Culture \& entertain- <br> ment | 2.4 | 0.4 | 7.0 | 6.2 | $2.1 \%$ |
| Audio, visual \& media <br> devices | -3.0 | -4.4 | 8.6 | 7.4 | $1.0 \%$ |
| Other entertainment de- <br> vices | 6.1 | 3.5 | 11.4 | 6.5 | $0.0 \%$ |
| Cultural \& entertain- <br> ment activities | 6.2 | 3.5 | 5.9 | 5.1 | $0.4 \%$ |
| Cultural \& entertain- <br> ment services | 11.2 | 8.2 | 5.1 | 4.3 | $0.4 \%$ |
| Newspapers, magazines <br> \& books | 5.0 | -0.1 | 5.8 | 6.9 | $0.2 \%$ |
| Education | 8.2 | 7.4 | 7.5 | 7.3 | $3.2 \%$ |
| Elementary \& prepara- <br> tory education | 7.3 | 5.3 | 6.7 | 6.4 | $0.8 \%$ |
| High school education | 8.9 | 9.6 | 8.5 | 9.9 | $0.7 \%$ |
| Stationary | 2.9 | 14.4 | 12.7 | 9.1 | $0.6 \%$ |
| Textbooks | 2.8 | 0.0 | 0.0 | 0.0 | $0.2 \%$ |
| Private tutoring | 13.4 | 4.7 | 5.5 | 6.0 | $0.9 \%$ |
| Hotels \& restaurants | 7.3 | 4.4 | 8.1 | 8.6 | $4.6 \%$ |
| Restaurants \& coffee <br> houses | 7.8 | 4.8 | 8.6 | 7.8 | $4.1 \%$ |
| Hotels | 3.6 | 1.7 | 3.4 | 15.7 | $0.5 \%$ |


| Categories \& sub-cat- <br> egories | 2016 | 2017 | 2018 | 2019 | Weighted <br> average |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Other items \& services | 6.6 | 4.5 | 8.0 | 10.9 | $5.6 \%$ |
| Personal care | 4.7 | 5.3 | 8.2 | 13.1 | $4.2 \%$ |
| Personal items | 9.5 | 6.9 | 8.5 | 11.3 | $0.4 \%$ |
| Insurance | 15.6 | 0.0 | 9.1 | 0.0 | $0.8 \%$ |
| Financial services | 6.7 | 2.3 | 0.0 | 7.5 | $0.2 \%$ |
| Total | 3.4 | 4.7 | 6.6 | 7.1 | $100,0 \%$ |

Household consumer price index according to the pricing system
Base year: 2015
January final results

| Categories | \% | Indicator | Indicator | Jan 2019 | Jan. 2019 | Jan 2019 | 1-month <br> rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Dec 2018 | Jan 2019 | Dec 2018 | Dec 2018 | Jan 2018 | 2018/2019 |
| Unpriced <br> goods | $73.5 \%$ | 124.7 | 125.9 | 1.0 | 1.0 | 8.0 | 8.0 |
| Priced <br> goods | $26.5 \%$ | 110.6 | 111.0 | 0.4 | 0.4 | 4.4 | 4.4 |
| Total | $100.0 \%$ | 121.0 | 122.0 | 0.8 | 0.8 | 7.1 | 7.1 |
| Food prod- <br> ucts | $26.2 \%$ | 119.7 | 122.3 | 2.2 | 2.2 | 7.1 | 7.1 |


| Categories | \% | Indicator | Indicator | Jan 2019 | Jan. 2019 | Jan 2019 | 1-month <br> rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Dec 2018 | Jan 2019 | Dec 2018 | Dec 2018 | Jan 2018 | 2018/2019 |
| Unpriced | $21.0 \%$ | 123.7 | 126.6 | 2.3 | 2.3 | 8.2 | 8.2 |
| Priced | $5.2 \%$ | 103.4 | 105.0 | 1.5 | 1.5 | 2.3 | 2.3 |
| Non-food <br> product | $73.8 \%$ | 121.5 | 121.9 | 0.4 | 0.4 | 7.1 | 7.1 |
| Unpriced | $52.5 \%$ | 125.1 | 125.7 | 0.5 | 0.5 | 7.9 | 7.9 |
| Priced | $21.2 \%$ | 112.4 | 112.5 | 0.1 | 0.1 | 4.9 | 4.9 |

