**Abstract**

The primary aim of this study was to investigate the most important variables that affecting on the consumption of white poultry meat in Egypt by studying the current situation of the production capacity of white poultry meat in Egypt ,in addition,descriptive statistics for the most important variables that affecting on the consumption of white poultry meat in Egypt beside, determine the most important variables that affecting on the consumption of white poultry meat by using factor analysis model in the form of The research aimed to study and measure the most important variables affecting the consumption of white poultry meat in Egypt by studying the current situation of the production capacity of white poultry meat in Egypt and studying descriptive statistics for the most important variables affecting the consumption of white poultry meat in Egypt in addition to measuring the most important of those variables using factor analysis

هدف البحث إلى دراسة وقياس أهم المتغيرات التي تؤثر على استهلاك لحوم الدواجن البيضاء في مصر من خلال دراسة الوضع الحالي للطاقة الإنتاجية للحوم الدواجن البيضاء في مصر ودراسة الإحصاء الوصفي لأهم المتغيرات التي تؤثر على استهلاك لحوم الدواجن البيضاء. اللحوم في مصر بالإضافة إلى قياس أهم تلك المتغيرات باستخدام تحليل العوامل

The research aimed to study and measure the most important variables affecting the consumption of white poultry meat in Egypt, by studying the current situation of the production capacity of white poultry meat in Egypt and studying descriptive statistics for the most important variables affecting the consumption of white poultry meat in Egypt, in addition to measuring the most important of those variables using factor analysis.

هدف البحث إلى دراسة وقياس أهم المتغيرات التي تؤثر على استهلاك لحوم الدواجن البيضاء في مصر ، من خلال دراسة الوضع الحالي للطاقة الإنتاجية للحوم الدواجن البيضاء في مصر ودراسة الإحصاء الوصفي لأهم المتغيرات التي تؤثر على استهلاك لحوم الدواجن البيضاء. لحوم الدواجن في مصر بالإضافة إلى قياس أهم تلك المتغيرات باستخدام تحليل العوامل.

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in the form of Double logarithmic regression during the period 2000-2020.)

To achieve the objectives of the research, descriptive and quantitative analysis method was used, represented by using some of multiple statistical methods and models to estimate the linear regression in double logarithmic form and the factor analysis of the most important variables that affecting on the consumption of white poultry meat in Egypt, According to the results, the value of white meat amounted about 22.47 billion L.E. annually, representing 8.86% of the value of agricultural production during period 2000-2020, Furthermore, the average value of agricultural production was estimated at 253 billion L.E., and the average value of white meat production amounted by 22.5 billion L.E., the average amount of consumption was estimated about 974.95 thousand tons. And the average quantity of white meat production in Egypt was estimated about954 thousand tons during 2000-2020.

Kaisar (1960) criterion showed that there are two factors whose roots are greater than one, and the two factors explained about 96.37% of the total variance, where the first factor contributed 86.51% and the second by 9.863%.by examining the Scree Plot, it was found that there was a clear change after the second factor, which confirms that the first and the second factorThe Kaisar criterion clarified that there are two factors whose roots are greater than one. The two factors explained 96.014% of the total variance, where the first factor contributed 86.51% and the second by \*\*\*\*. When examining the Scree Plot, it was found that there was a clear change after the second factor, which confirms that the factor

أوضح معيار قيصر أن هناك عاملين جذورهما أكبر من واحد. فسر العاملان 96.014٪ من التباين الكلي ، حيث ساهم العامل الأول بنسبة 86.51٪ والثاني بنسبة \*\*\*\*. عند فحص مخطط Scree ، وجد أن هناك تغييرًا واضحًا بعد العامل الثاني ، مما يؤكد أن العامل

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explain most of the variance in comparison with the rest of the other factors, therefore they were adopted to conduct more analyzes on them, such as regression analysis.

Also The results showed a significant relationshipbetween exchange rate, per capita white poultry meat, population, time, consumer price of municipal poultry meat and consumption of white poultry meat in Egypt, where a change by 1% in the exchange rate and per capita white poultry meat,The results showed a significant impact of the exchange rate, per capita white poultry meat, population, time, consumer price of municipal poultry meat on the consumption of white poultry meat in Egypt, where the results showed that a change of 1% in the exchange rate and per capita white poultry meat

أظهرت النتائج تأثيرا معنويا لسعر الصرف ، نصيب الفرد من لحوم الدواجن البيضاء ، عدد السكان ، الوقت ، سعر المستهلك للحوم الدواجن البلدية على استهلاك لحوم الدواجن البيضاء في مصر ، حيث أظهرت النتائج حدوث تغير بنسبة 1٪ في الصرف. معدل ونصيب الفرد من لحوم الدواجن البيضاء

The results showed a significant impact of the exchange rate, per capita white meat poultry, population, time, consumer price of municipal poultry meat on the consumption of white poultry meat in Egypt, where the results showed that a change of 1% in the exchange rate and per capita white meat poultry

أظهرت النتائج تأثيرا معنويا لسعر الصرف ، نصيب الفرد من اللحوم البيضاء ، عدد السكان ، الوقت ، سعر المستهلك للحوم الدواجن البلدية على استهلاك لحوم الدواجن البيضاء في مصر ، حيث أظهرت النتائج حدوث تغير بنسبة 1٪ في سعر الصرف. معدل ونصيب الفرد من لحوم الدواجن البيضاء

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,,,a,population, time and consumer price of municipal poultry meat leads to an increase in the consumption of white poultry meat by about 0.056 thousand tons, which is an inverse relationship consistent with the economic logic in relation to the exchange rate variable, as well as an increase in the consumption of white poultry meatwith about 0.817, 2.396, 0.045 thousand tons, which is a direct relationship consistent with the economic logic with regard to the per capita variables of white poultry meat, population , and time, respectively, as well as the decrease in consumption of white poultry meat by about 0.205 thousand tons, which is an inverse relationship consistent with the economic logic in relation to the consumer price variableWith about 0.817, 2.396, 0.045 thousand tons, which is a direct relationship consistent with the economic logic with regard to the per capita variables of white poultry meat, population number and time, respectively, as well as the decrease in consumption of white poultry meat by about 0.205 thousand tons, which is an inverse relationship consistent with the economic logic in relation to the consumer price variable

بنحو 0.817 ، 2.396 ، 0.045 ألف طن وهي علاقة مباشرة منسجمة مع المنطق الاقتصادي فيما يتعلق بمتغيرات نصيب الفرد من لحوم الدواجن البيضاء وعدد السكان والوقت على التوالي ، وكذلك انخفاض استهلاك لحوم الدواجن البيضاء. بنحو 0.205 ألف طن وهي علاقة عكسية تتفق مع المنطق الاقتصادي بالنسبة لمتغير سعر المستهلك

With about 0.817, 2.396, 0.045 thousand tons, which is a direct relationship consistent with the economic logic with regard to the per capita variables of white poultry meat, the number of population and time, respectively, as well as the decrease in the consumption of white poultry meat by about 0.205 thousand tons, which is an inverse relationship consistent with the economic logic in relation to the consumer price variable.

بنحو 0.817 ، 2.396 ، 0.045 ألف طن ، وهي علاقة مباشرة منسجمة مع المنطق الاقتصادي فيما يتعلق بمتغيرات نصيب الفرد من لحوم الدواجن البيضاء ، وعدد السكان والوقت على التوالي ، وكذلك الانخفاض في استهلاك لحوم الدواجن البيضاء بنحو 0.205 ألف طن وهي علاقة عكسية تتفق مع المنطق الاقتصادي بالنسبة لمتغير سعر المستهلك.

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For municipal poultry meat (according to the consumer's taste as well).

**For municipal poultry meat (according to the consumer's taste as well).**

**لحوم الدواجن البلدية (حسب ذوق المستهلك أيضًا).**

**For municipal poultry meat (and according to consumer taste as well).**

**لحوم الدواجن البلدية (وحسب ذوق المستهلك أيضًا).**

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**Keywords:** white poultry meat, price, consumption, factor analysis, stepwise wise regression.