

دراسة تحليلية للتنبؤ بإنتاج
الطاقة الكهربائية في محطة كهرباء
الهارثة البخارية في محافظة البصرة
للأعوام من ٢٠١١ - ٢٠١٢

Abstract

Iraq has enormous potential for the development and upgrading. He has a wealth of natural oil and mineral addition to the wealth of mankind efficient and capable, but there are a large proportion of children living below the poverty line, and lacks even the most basic necessities of life but an electricity crisis as a result of what he suffered from the economic blockade and the realization of violence and sabotage the ongoing and affecting lines, transmission towers, which led to lower production levels, despite the effort of the government is making promises continuing to improve power remains most of the families waiting for a small part of these promises, especially in the summer the temperature rises to more than 48 degrees Celsius. The research aims to find the best statistical method used to predict the production of energy for power plant steam Hartha in the province of Basra.

With regard to the practical side came from the data power station Hartha steam for the period from (2010-1993) as a side product, and when you use several formulas to predict the researcher reached a way to boot ASI is one of the best ways has been predicted for the years 2011-2012 and using the form exponential was the total output is 1416389.1416387 respectively.

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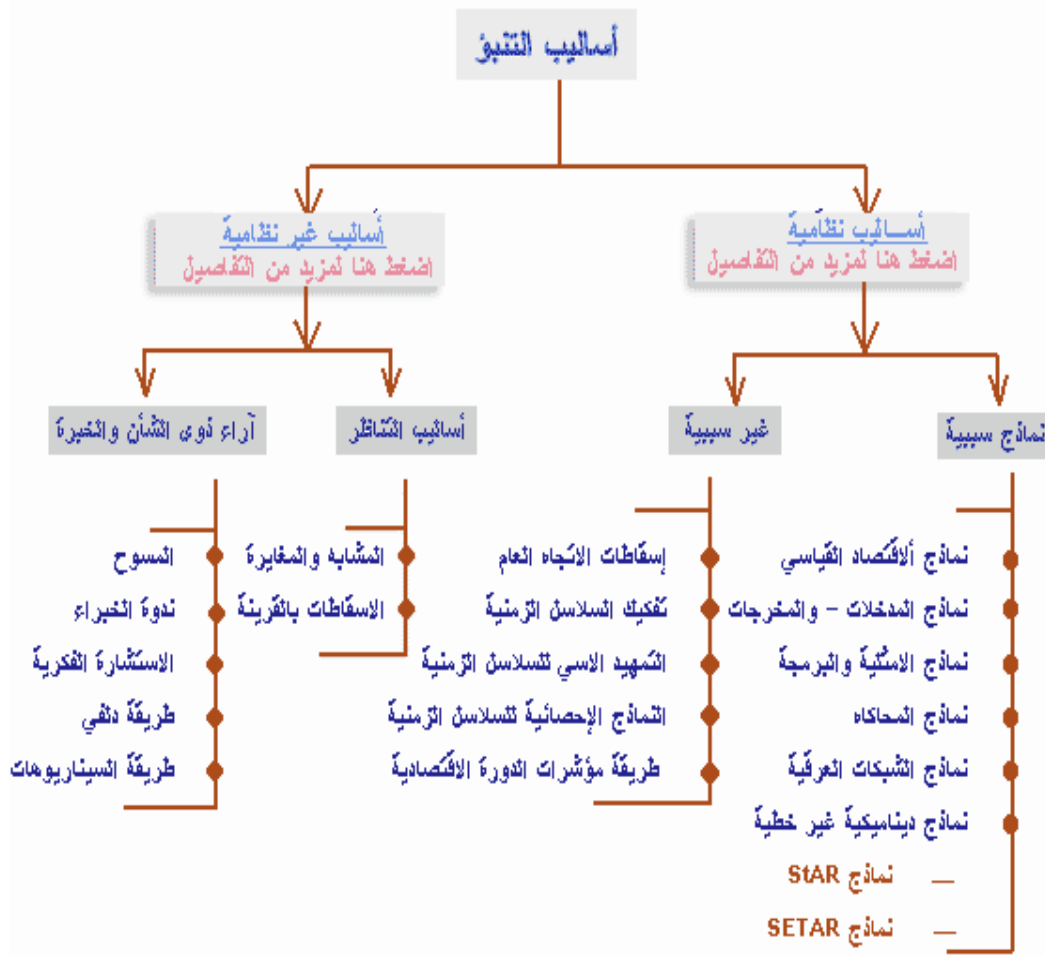
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$$C = a + bY + U$$

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$$Lny = a + t + E \dots \dots \dots (2)$$

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$$Lny = a + \beta_1 t + \beta_2 t^2 + E$$

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$$F_{t+1} = axt + (1 - a)F_1$$

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$Y = 1690664 + 37064.4t$

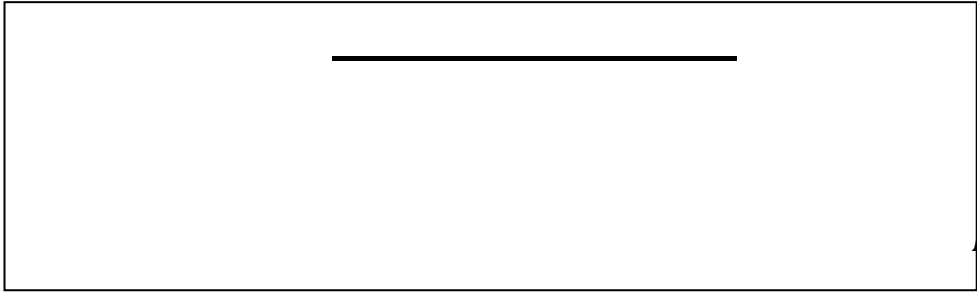


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R^2 t 2.56 t
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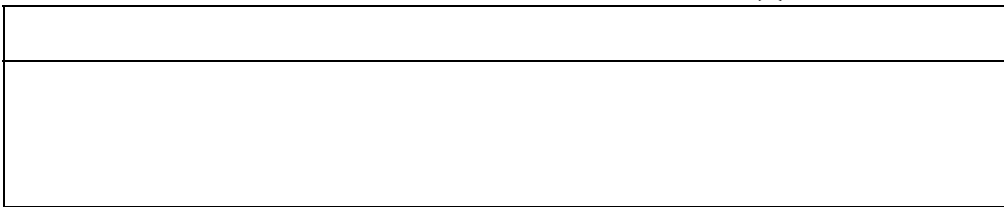
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t 2.4 0.05 F
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R^2

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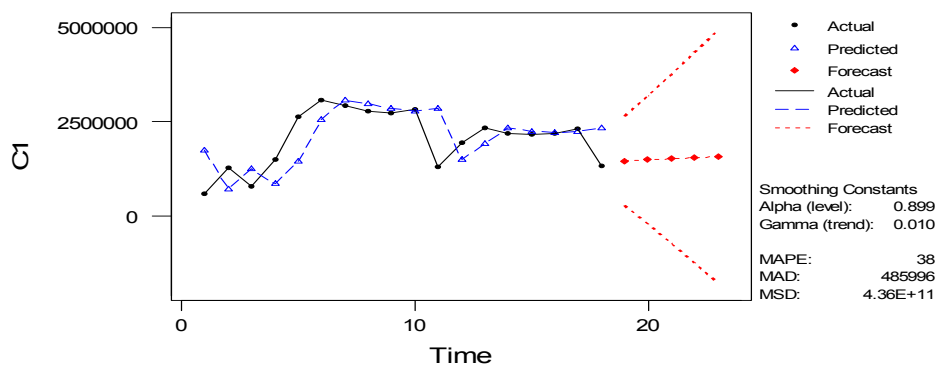
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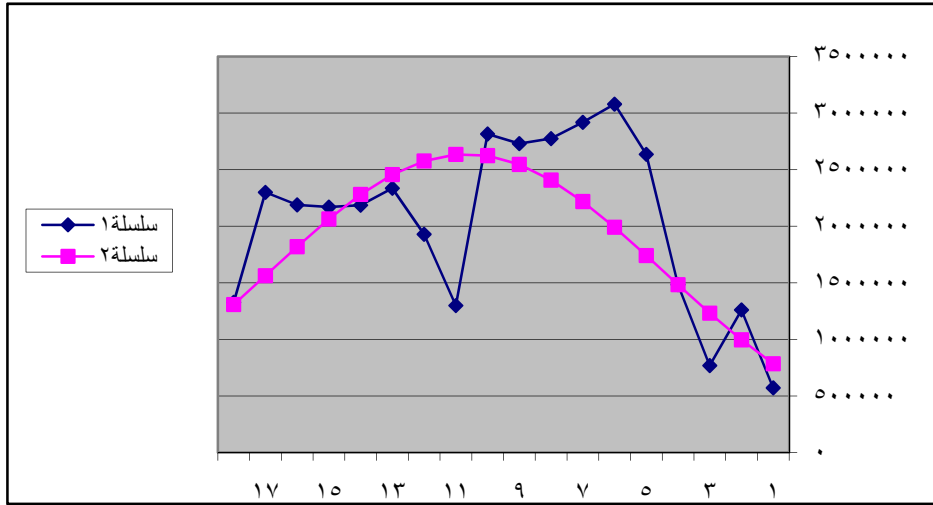
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Double Exponential Smoothing for C1



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