المـــــراجع

أولاً: المراجع العربية

1- جورج كانافوس و دون ميلر, 2004, الإحصاء للتجاريين مدخل حديث, تعريب: سلطان محمد عبد الحميد, الرياض: دار المريخ.

2- خالد زهدي خواجة, 2007م, السلاسل الزمنية, بغداد: المعهد العربي للتدريب والبحوث الإحصائية, منشور الكترونياً.

3- ديفيد م. سكابورا, 2002م, بناء الشبكات العصبية, ترجمة: فهد بن عبد الله التركي, الرياض: جامعة الملك سعود.

4- زين العابدين عبد الرحيم البشير و أحمد عوده عبد المجيد بحوري, 1997م, الاستدلال الإحصائي, الرياض: مطابع جامعة الملك سعود.

5- سالم قاسم النعيمي, 2005م, الإحصاء التطبيقي علي الحاسوب, ط 1.عمان: دار مجدلاوي للنشر والتوزيع.

6- عبد الرحمن الأحمد العبيد, 2004م, مبادئ التنبؤ الإداري, الرياض: جامعة الملك سعود.

7- عبد القادر محمد عبد القادر عطية, 2005م, الحديث في الاقتصاد القياسي بين النظرية والتطبيق, الإسكندرية: الدار الجامعية للطباعة والنشر.

8- عدنان عوض ومفيد عزام, 2002م, طرق الإحصاء بالحاسوب, ط 2. عمان: منشورات جامعة القدس.

9- عدنان ماجد عبد الرحمن بري, 2002م, طرق التنبؤ الإحصائي, ج 1, الرياض: جامعة الملك سعود.

10- علام زكي عيسى, 2004م, الشبكات العصبية (البنة الهندسية, الخوارزميات, التطبيق), حلب: شعاع للنشر والعلوم.

11- كمال سلطان محمد, 2004م, الإحصاء الاحتمالي, ط 1. الإسكندرية: الدار الجامعية.

12- محمد صبحي وعدنان محمد, 2004م, مقدمة في الإحصاء مبادئ وتحليل باستخدام SPSS , ط 1. عمان: دار المسيرة للنشر والتوزيع.

13- محمد فهمي طلبة وآخرون, 1994م, الحاسب والذكاء الاصطناعي, القاهرة: مطابع المكتب المصري الحديث.

14- ميشيل نيجنفيتسكي, 2004م, الذكاء الاصطناعي دليل النظم الذكية, ترجمة:محمد يحى عبد الرحمن, الرياض: دار المريخ.

15- والتر فاندل, 1992م, السلاسل الزمنية من الوجهة التطبيقية ونماذج بوكس-جنكيز, ترجمة عبد المرضي حامد عزام, الرياض: دار المريخ للنشر.

ثانياً: المراجع الأجنبية

1- A.W. van der Vaart, 2002, <u>Time Series</u>, Vrije Universiteit Amsterdam.

2- Alexander I. Galushkin, 2007, <u>Neural Networks Theory</u>, Springer-Verlag Berlin Heidelberg New York.

3- Ben Krose and Patrick van der Smagt, 1996, <u>An introduction to Neural Networks</u>, Eighth edition, The University of Amsterdam Netherlands.

4- D. Michie, D.J. Spiegelhalter, C.C. Taylor, 1994, <u>Machine Learning, Neural and Statistical Classification</u>, University of Strathclyde U.K.

5- George .E.P. Box, Gwilym M. Jenkins and Goegory C. Reninsed, 1994, <u>Time Series Analysis Forecasting and Control</u>, Prentice – Hall International, USA.

6- Juan Ramon Rabunal and Julian Dorrado, 2006, <u>Artificial neural networks in real-life applications</u>, Idea Group Publishing USA.

7- Paul D. McNelis, 2005, <u>Neural Networks in Finance: Gaining Predictive Edge in the Market</u>, Elsevier Academic Press Printed in USA.

8- Robert A.Yaffe and Monnie McGee, 2000, <u>Introduction to Time Series Analysis & Forecasting</u>, Academic Press, New York.

9- Walter Enders, 2004, <u>Applied Econometric Time Series</u>, Jon Wiley & Sons, Inc, USA.

ثالثاً: الرسائل

1- Amalia Foka, Time Series Predication Using Evolving Polynomial ANNs , <u>M.Sc Thesis</u>, University of Manchester Institute of Science and Technology, 1990.

2- Jason E. Kutsurelis, Forecasting Financial Markets Using Neural Networks: an analysis of Methods and Accuracy, <u>M.Sc Thesis in Management</u>, Naval Postgraduate School Monterey California, September-1998.

3- Minglei Duan, Time Series Predictability, <u>M.Sc Thesis</u>, Faculty of the Graduate School, Marquette University, 2002.

4- Ruth M. Ripley, Neural Network Models for Breast Cancer Prognosis, <u>Ph.D Dissertation</u>, submitted to the Department of Engineering Science, University of Oxford, 1998.

5- Sami Saalasti, Neural Networks for Heart Rate Time Series Analysis, <u>Ph.D Dissertation</u>, University of Jyvaskyla, 2003.

رابعاً: الأوراق والمنشورات العلمية

1- Agnes Schumann, Neural Networks Versus Statistics: A comparing Study of their Classification Performance on well Log Data، Free University of Berlin, <u>Geoinformatics Germany</u>, 12249 Berlin, Malteserstr. 74-100, 1995.

2- Amir F. Atiya, Suzan M. El-Shoura, Samir I. Shaheen and Mohamed S. El-Sherif, A Comparison Between Neural-Network Forecasting Techniques Case Study: River Flow Forecasting, <u>IEEE Transactions on Neural Networks</u>, VOL.10, NO.2, 1999.

3- Chakradhara Panda and V. Narasimhan, Predicting Stock Returns: An Experiment of the Artificial Neural Network in Indian Stock Market, <u>South Asia Economic Journal</u> 7; 205, 2006.

4- chan Man-Chung, Wong Chi-Cheong and Lam Chi-Chung, Financial Time Series Forecasting by Neural Network Using Conjugate Gradient Learning Algorithm and Multiple Linear Regression Weight Initialization, <u>Department of Computing</u> The Hong Kong Polytechnic University Kowloon, 1998.

5- Feng Lin, Xing Huo Yu, Shirley Gregor and Richard Irons, Time Series Forecasting with Neural Networks, Queensland University Australia, ISSN 1320-0682, <u>Complexity International</u> Volume 02, 1995.

6- Frank M Thiesin and Oliver Vornberger, Time Series Prediction by Neural Networks, University of Osnabruck, <u>Power Xplorer User Report Parsytec Computer</u> GmbH,1995.

7- G. Peter Zhang and Douglas M. Kline, Quarterly Time-Series Forecasting With Neural Networks, <u>IEEE Transactions on Neural Networks</u>, vol.18, no.6, 2007.

8- Georg Dorffiner, Neural Networks for Time Series Processing, University of Vienna, <u>Artificial Intelligence</u>, 1997.

9- Gerald P. Dwyer and Jr., Nonlinear Time Series and Financial Applications, <u>Federal Reserve Bank of Atlanta</u>, 2003.

10- Goutam Dutta, Pankaj Jha, Arnab Kumar Laha and Neeraj Mohan, Artificial Neural Network Models for Forecasting Stock Price Index in the Bombay Stock Exchange, <u>Journal of Emerging Market Finance</u> 5; 283, 2006.

11- Greg Tkacz, Neural network forecasting of Canadian GDP growth, Department of Monetary and Financial Analysis, Bank of Canada, <u>Journal of Forecasting</u> 17, 57–69, 2001.

12- H. K. Cigizoglu, Incorporation of ARMA models into flow forecasting by Artificial neural networks, <u>Environmetrics</u>; 14: 417–427, 2003.

13- Langche Zeng, Prediction and Classification with Neural Network Models, Sociological Methods Research 27; 499, 1999.

14- Mahmoud Abou-Nasr, Time Series forecasting with Recurrent Neural Networks NN3 Competition, <u>Research & Advanced Engineering Ford Motor Company</u>, 2002.

15- Marcelo C. Medeiros, Timo Terasvirta and Gianluigi Rech, Building Neural Network Models for Time Series: A Statistical Approach, <u>Journal of Forecasting</u> 25, 49–75, 2006.

16- Maria Angelica Salazar, Guillermo J.Mreno and Mauricio Cabrera-Rios, Statistical characterization and optimization of ANNs in time series forecasting, <u>Computation Y Sistemas</u> VOL.10,No.1,pp.69-81, ISSN 1405-5546, 2006.

17- Monica Adya and Fred Collopy, How Effective are Neural Networks at Forecasting and Prediction AReview and Evaluation, <u>Journal of Forecasting</u> 17, 481-495, 1998.

18- Nikola Gradojevic and Jing Yang, The Application of Artificial Neural Networks to Exchange Rate Forecasting: The Role of Market Microstructure Variables, Financial Markets Department Bank of Canada Ottawa, Working Paper, December-2000.

19- Qiang Song and Augustine O. Esogbue, A New Algorithm for Automated Box-Jenkins ARMA Time Series Modeling Using Residual Autocorrelation/Partial Autocorrelation Functions, IEMS, Vol. 5, No. 2, 2006.

20- Ramon Lawrence, Using Neural Networks to Forecast Stock Market Prices, Department of Computer Science University of Manitoba, December 1997.

21- Roselina Sallehuddin, Siti Mariyam Hj. Shamsuddin, Siti Zaiton Mohd. Hashim and Ajith Abraha, Forecasting Time Series Data Using Hybrid Grey Relational Artificial Neural Network and Auto Regressive Integrated Moving Average Model, Neural Network World 6/07, 573-605, 2007.

22- Sangit Chatterjee and Matthew Laudato, Statistical Applications of Neural Networks, Northeastern University Boston, Massachusetts, November 1995.

23- Simonetta Longhi, Peter Nijkamp, Aura Reggianni and Erich Maierhofer, Neural Network Modeling as a Tool for Forecasting Regional Employment Patterns, International Regional Science Review 28; 330, 2005.

24- Vladimir Krasnopolsky, Elements of Nonlinear Statistics and Neural Networks, (SAIC) at EMC/NCEP/NOAA, 2006.

25- Warrens. Sarle, Neural Networks and statistical Models, SAS Institute USA, Annual SAS Users Group International Conference, April 1994.

26- Zaiyong Tang, Chrys de Almeida and Paul A. Fishwick, Time series forecasting using neural networks vs. Box- Jenkins methodology, Simulation 57-303, 1991.

خامساً: المقالات المنشورة على الانترنت

1- Neural Networks- Major Components of an Artificial Neuron, www.wolfram.com, 2007.

2- Neural Network Components and how they Work, www.wolfram.com, 2007.

3- Time series Prediction in Neural Networks, www.statsoft.com, 2007.

4- Neural Networks and Forecasting, www.arabicstat.com, 2007.

5- ANNs in Real-Life Applications, ANN in Time Series Forecasting, www.ideagroup.com, 2006.

6- Applications of Artificial Neural Networks, www.ip-atlas.com, 2008.

7- Artificial Neural Networks, www.c4arab.com, 2008.

8- Introduction in Artificial Neural Networks, www.ar.wikibooks.org/wiki, 2007.

9- Artificial Neural Networks, www.ar.wikipedia.org/wiki/, 2007.

سادساً: مواقع الانترنت

- **1**http://www.nd.com/products/nsbook.htm1
- http://www.smr.sagepub.com2
blackwell-synergy.com3 - http://www.
http://www.forecastingprinciples.com - 4
- http://www.neural-forecasting.com5
- http://www.neural-forecasting-competition.com6
- http://www.neuralnetworks.ai-depot.com/Submit.html7
- http://www.brain.web-us.com/brain/ai.html8__
9 - http://www.neurosolutions.com
10- http://www.wolfram.com
11- http://www.statsoft.com
12- http://www.sagepublications.com
13- http://www.informaworld.com/
14- http://www.4shared.com/
15- http://www3.interscience.wiley.com/
16- http://www.arab-api.org/
17- http://www.imstat.org/

الملاحق
الإنتاجية السنوية (كجم/فدان) من: القمح, الذرة, الفول السوداني والسمسم
خلال الفترة (1954- 2005م)

السنوات	القمح	الذرة	الفول السوداني	السمسم
1954	613	315	357	236
1955	586	317	269	265
1956	600	403	218	236
1957	600	428	317	193
1958	645	437	288	250
1959	697	422	407	206
1960	641	404	412	183
1961	667	342	411	184
1962	683	408	314	239
1963	574	360	328	183
1964	661	412	341	146
1965	412	360	359	165

1966	504	342	326	211
1967	459	267	338	145
1968	408	421	352	152
1969	469	308	227	137
1970	397	344	359	129
1971	561	314	371	160
1972	434	349	256	159
1973	613	318	346	119
1974	553	299	336	109
1975	453	321	518	103
1976	380	330	338	120
1977	457	269	386	106
1978	530	307	385	113
1979	287	342	344	106
1980	432	263	365	112
1981	499	299	334	108
1982	432	358	353	118
1983	782	223	291	115
1984	469	206	222	95
1985	687	137	221	71
1986	553	273	280	53
1987	557	277	294	97
1988	528	169	265	102
1989	628	333	352	69
1990	666	170	166	53
1991	623	179	220	72
1992	929	322	313	76
1993	583	274	307	83
1994	558	214	867	60
1995	677	238	332	53
1996	743	207	286	87
1997	819	262	362	94
1998	964	227	303	75
1999	510	276	231	78
2000	982	218	290	65
2001	1074	249	272	63
2002	898	321	272	78
2003	1074	223	291	65
2004	968	278	308	106
2005	953	266	227	76