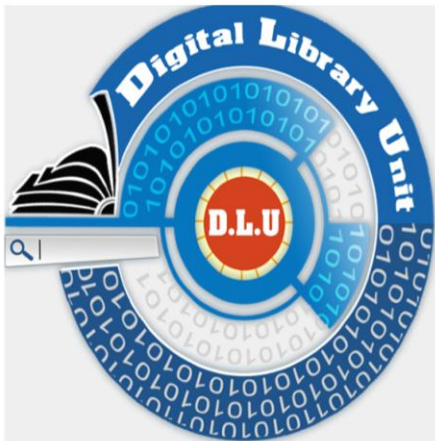


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# اتحاد المكتبات الجامعية المصرية

## Egyptian University Libraries Consortium

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# البحث فى فهارس المكتبات

١. البحث العام عن نوعية محددة من مصادر المعلومات
٢. البحث عن كتاب أو رسالة بعنوان معين أو مؤلف معين
٣. البحث الشامل بإستخدام الكلمات المفتاحية



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Mansoura University Damietta Branch

الأكاديمية العربية للعلوم المالية والمصرفية

المعهد التكنولوجي العالي بالعائسر من رمضان

فرع أسوان

شبكة الرسائل الجامعية المصرية

أكاديمية البحث العلمي

مؤسسة المرأة والذاكرة

مقتنيات مكتبات الجامعات المصرية

رسائل الماجستير و الدكتوراه للباحثين المصريين

الرسائل قيد الدراسة بالجامعات المصرية

ابحاث أعضاء هيئة التدريس بالجامعات المصرية

المجلات العلمية التي تصدرها الجامعات المصرية

المقتنيات الالكترونية التي تملكها الجامعات المصرية

البث الارشيفي للمحاضرات الالكترونية

التواصل مع كبرى المكتبات العالمية لمعرفة احدث الكتب

التواصل مع كبرى قواعد البيانات العالمية المشترك بها المجلس الاعلى للجامعات للتعرف على احدث الابحاث العلمية على مستوى العالم بالإضافة إلى الاطلاع على أكثر من ٢٥ ألف

دورية وتحميل النص الكامل لها

التواصل بنا

آخر الاخبار

العنوان : وحدة المكتبة الرقمية - المجلس الأعلى للجامعات (جامعة القاهرة) - الدور الثالث

رقم الهاتف : ٠٠٢٠٢٠١٠٨٩٦٠٦٧, ٠٠٢٠٢٠١٠٥٧٩٥٠٦٦, ٠٠٢٠٢٣٥٧٠٤١٥٨, ٠٠٢٠٢٣٥٧٣٨٥٨٣, ٠٠٢٠٢٣٥٦٩٧٦٤٥

رقم الفاكس : ٢٠٢٣٥٧٠٤١٩٤/٢٢٢٢

الرقم البريدي : ١٢٤٤١ جيزة

المزيد....

دورة تدريبية لاستخدام قواعد البيانات العالمية بالجامعات المصرية خلال شهري ابريل و مايو ٢٠١١

صباح الخير يا مصر يستعرض انجازات اتحاد مكتبات الجامعات المصرية

شرح كيفية الدخول على قواعد البيانات العالمية من المنزل

فتح باب الاشتراك بمكتبة الجامعة الأمريكية بالقاهرة

تقييم اللجان العلمية للمجلات والدوريات

دعوة لتسجيل الرسائل قيد الدراسة بالجامعات المصرية

ابحاث أعضاء هيئة التدريس بالجامعات المصرية

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DAEMON Search

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المجلس الأعلى للجامعات

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بحث الانترنت

قواعد البيانات العالمية

الرسائل العلمية

رسائل قيد الدراسة

الابحاث العلمية

الدوريات المحلية

حسابي

موقع البحث

المجلس الأعلى للجامعات

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جامعة عين شمس

جامعة أسيوط

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جامعة المنوفية

جامعة قناة السويس

جامعة جنوب الوادي

المواقع الرئيسية

المواقع الفرعية

البحث

بحث بسيط

بحث متقدم

بحث حسب القطاع

تصفح المقتنيات حسب التصنيف

بحث سابق

لا يوجد بحث سابق

جميع المقتنيات

نوع المقتنيات

نص البحث

معالجة الكلمات

الرقم البليوجرافي

سنة النشر

ترتيب حسب

كلمة في كل مكان

كلمة في كل مكان

كلمة في كل مكان

مقال ١٠٠ او ٣٥٠-٤٨٠

مقال ١٩٨٧ او ١٩٧٠-١٩٨٠

كتاب

مادة خرائطية مخطوطة

وسيط إسقاطي/فيديو

مطبوعات مصغرة

تسجيل صوتي غير موسيقي

تسجيل صوتي موسيقي

صور، قوائم الأبعاد

مادة تعليمية خاصة

توثيق

مادة متنوعة

مجسم اصطناعي/ طبيعي

نورية

غير معروف

ملف كمبيوتر

رسالة علمية

نوته موسيقية

نوته موسيقية مخطوطة

ضبط المخطوطات و الأثرثفات

مادة خرائطية

توثيق البحث

إذا كانت الكلمة ناقصة نضع \* (Aspir)

للبحث عن كلمتين معا نضع & (Aspiration & staging)

للبحث عن كلمتين قريبتين نضع ~ (cytology ~ urological)

موقع البحث

المجلس الأعلى للجامعات  
 جامعة الإسكندرية  
 جامعة عين شمس  
 جامعة أسيوط  
 جامعة طنطا  
 Mansoura University  
 جامعة الزقازيق  
 جامعة حلوان  
 جامعة المنيا  
 جامعة المنوفية  
 جامعة قناة السويس  
 جامعة جنوب الوادي  
 المواقع الرئيسية المواقع الفرعية

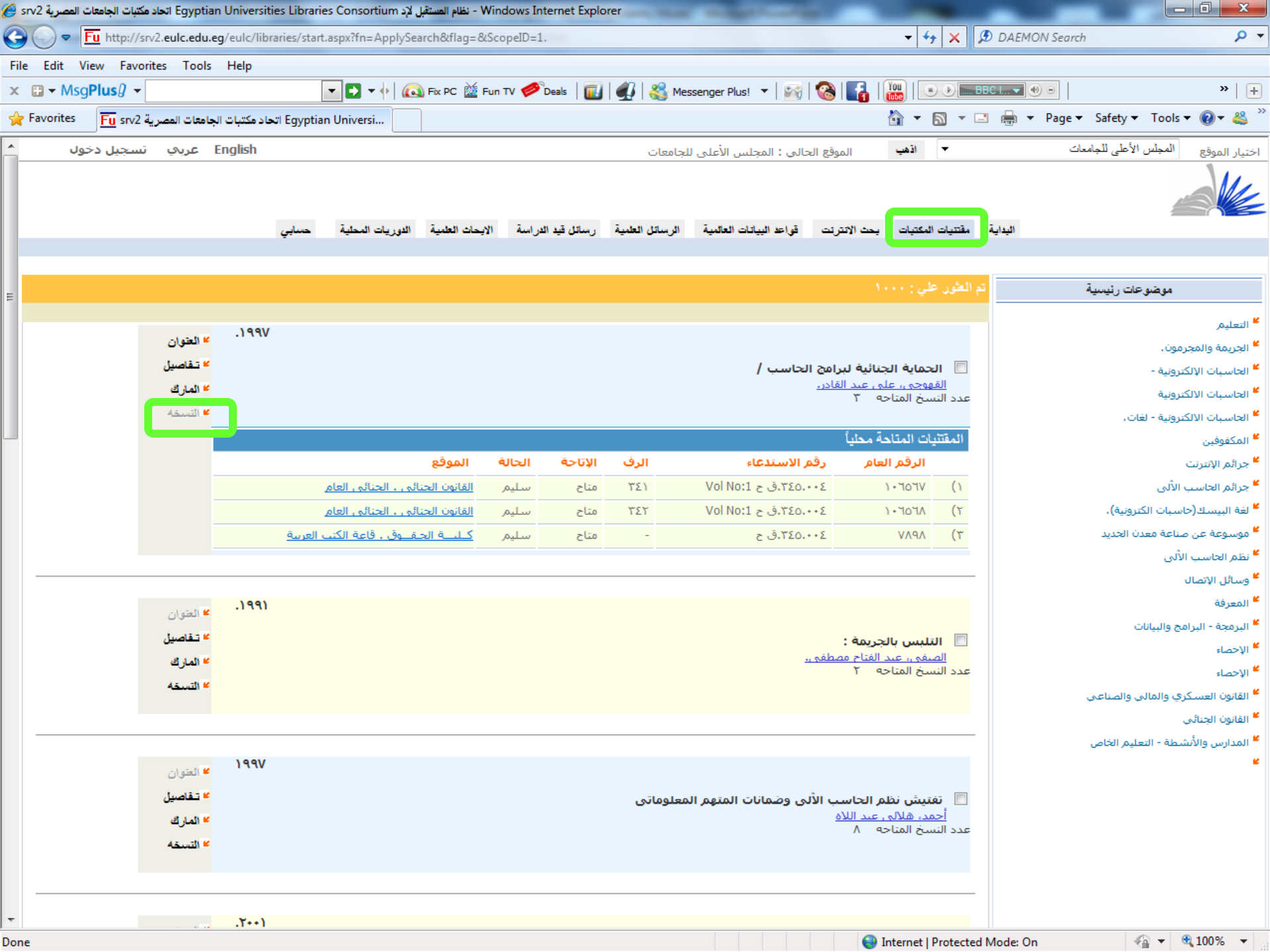
البحث

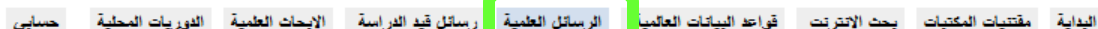
بحث بسيط  
 بحث متقدم  
 بحث حسب القطاع  
 تصفح المقتنيات حسب التصنيف  
 بحث سابق  
 لا يوجد بحث سابق

نوع المقتنيات  
 جميع المقتنيات  
 نص البحث  
 حاسب آلي  
 معالجة الكلمات  
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 الرقم البليوجرافي  
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 ترتيب حسب  
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 تطبيق البحث

توجيهات البحث

إذا كانت الكلمة ناقصة نضع \* (Aspir)  
 للبحث عن كلمتين معا نضع & (Aspiration & staging)  
 للبحث عن كلمتين قريبتين نضع ~ (cytology ~ urological)





الموقع البحث  
 المجلس الأعلى للجامعات  
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 جامعة عين شمس  
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 المواقع الرئيسية  
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- إذا كانت الكلمة ناقصة نضع \* (Aspir)
- للبحث عن كلمتين معا نضع & (Aspiration & staging)
- للبحث عن كلمتين قريبتين نضع ~ (cytology ~ urological)

شبكة الرسائل الجامعية المصرية (٥٩٢٩٩)

جامعة الاسكندرية (٢٥٥٨٦)

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(30593) Mansoura University

أكاديمية البحث العلمي (٢٤٣١٣)

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جامعة بنها (١٢٢٢٩)

جامعة المنوفية (١١٠٠١)

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Windows Internet Explorer

http://srv2.eulc.edu.eg/eulc/libraries/start.aspx?fn=SearchInterFace&flag=Thesis&ScopeID=1.

DAEMON Search

File Edit View Favorites Tools Help

MsgPlus9

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srv2 المصرية

English

المجلس الأعلى للجامعات

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نص البحث

التحدين

كلمة في كل مكان

و

كلمة في كل مكان

و

كلمة في كل مكان

و

معالجة الكلمات

لا معالجة

الرقم الجغرافي

مثال ١٠٠ او ٤٨٠٠-٣٥٠

سنة النشر

مثال ١٩٨٧ او ١٩٧٠-١٩٨٠

ترتيب حسب

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تحتوي على ملخص للمحتوي

تحتوي على النص الكامل

تطبيق البحث

موقع البحث

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Mansoura University (30593)

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جامعة حلوان (١٦٥٥٨)

جامعة طنطا (١٤٣١٤)

جامعة أسيوط (١٣٤٦٩)

جامعة بنها (١٢٣٢٩)

جامعة المنوفية (١١٠٠١)

جامعة المنيا (٨٢٥٨)

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جامعة جنوب الوادي (٥٤٩٥)

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جامعة سوهاج (٤٧٤٠)

جامعة كفر الشيخ (٣٦٤٣)

جامعة بني سويف (٢٤٩٩)

جامعة بورسعيد (٢٩٣٧)

Mansoura University Damietta Branch (262)

الأكاديمية العربية للعلوم المالية والمصرفية (١٤)

مؤسسة المرأة والذاكرة (١)

تنبيهات البحث

إذا كانت الكلمة ناقصة نضع ( \*Aspir )

للبحث من كلمتين معا نضع ( Aspiration & staging )

للبحث من كلمتين قريبتين نضع ( cytology ~ urological )

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تم العثور على : ٥٦

موضوعات رئيسية

العنوان  
تفاصيل  
المركز  
النسخة

## Data Mining and Data Warehousing for Knowledge Discovery

Abo Faid, Diaa El-Din Mohamed Mohamed Mohamed

عدد النسخ المتاحة ٤

تصنيف  
٦٢٩.٨

فيديو:

Abo Faid, Diaa El-Din Mohamed Mohamed Mohamed

Data Mining and Data Warehousing for Knowledge Discovery

بيان

Diaa El-Din Mohamed Mohamed Mohamed Abo Faid; Supervised by Aida O. Abd El-Gwaad, Awad H. Khali

المسؤولية:

مكان  
: Mansoura

التش:

Diaa El-Din Mohamed Mohamed Mohamed Abo Faid

اسم

التأشير:

تاريخ  
٢٠٠١

التش:

الحجم:  
١١٠ p.

إبعاد

٣٠ cm.

الوعاء:

ملخص:

**ABSTRACT** Recently, our capabilities of both generating and collecting data have been increasing rapidly. The wide spread use of bar codes for most commercial products, the computerization of many businesses and government transactions, and the advances in data collection tools has provided us with huge amounts of data. This explosive growth in data and databases has generated an urgent need for new techniques and tools that can intelligently and automatically transform the processed data into useful information and knowledge. Consequently, data mining has become a research area with increasing importance. knowledge discovery (or Data mining) systems are software systems extract nontrivial information (such as knowledge rules, constraints, and regularities), implied in data, previously unknown and potentially useful from data in databases. Sometimes, the term data mining is used to describe algorithms and methods that extract special types of patterns (such that Association Rules, Characteristic Rules, Discriminant Rules, Classification Rules, Clustering, Evolution, Deviations) from databases which is the central part of knowledge discovery process. But the term knowledge discovery is used to describe a collection of many processes, including, data collection, data preparation, data cleaning, data mining, and output representation. The discovered knowledge can be applied to information management, query processing, decision making, process control, and several emerging applications in information providing services, such as on-line services and World Wide Web. One of the most important knowledge extracted from database is the association rules. An example of association rules the statement: "90% of transactions that purchase bread and butter also purchase milk ". This association rule is represented in the form: bread, butter ? milk | 90%. The antecedent of this rule consists of bread and butter and the consequent consists of milk alone. The number 90% is the confidence factor of the rule. Specifically, given a database of sales transactions, one would like to discover all associations among items such that the presence of some items in a transaction will imply the presence of other items in the same transaction.

ما استخدم الكمبيوتر ، كان في التطبيقات الحسابية البسيطة : مثل نظم الأجور وسندات القبض (Payroll Systems and Accounts Receivable). تم استخدام الكمبيوتر في عمليات تجارية (Transaction Processing) أكثر تعقيدا وأكبر كثيرا من حيث كمية البيانات و العمليات : مثل أنظمة حجز وتنظيم رحلات الطيران ( Airline ) Reservations و أنظمة التحكم في التصنيع (Manufacturing Control)). بعد ذلك أدت الحاجة للتعامل مع هذه الأنظمة بكفاءة إلى بروز نظم إدارة قواعد البيانات DBMS حيث تقوم هذه النظم بتوجيه من المستخدم باستخراج المعلومات من قواعد البيانات .

أخيرا - وفي بداية التسعينيات - أدى التقدم الكبير في تقنيات الكمبيوتر والبرمجيات والاتصالات ووسائل التخزين والاسترجاع إلى وجود كم هائل من البيانات والمعلومات لدى الشركات والهيئات والمؤسسات العلمية والحكومية والتجارية وغيرها. هذا الكم الكبير من البيانات والمعلومات يحوى معرفة مفيدة ؛ لكن نظم إدارة قواعد البيانات لا تستطيع استخلاصها ، كما أنها تفوق قدرات الإنسان على فهمها وتحليلها واستنباطها يدويا. في نفس هذا الوقت ؛ كانت هناك بحوث متقدمة في الذكاء الاصطناعي والإحصاء والمعلوماتية وبحوث العمليات وقواعد البيانات والرياضيات ... مرتبطة بتحليل البيانات. كل هذا أدى إلى بروز نظم اكتشاف المعرفة من قواعد البيانات الكبيرة ( Knowledge Discovery Systems from Large Databases or KDD Systems) . هذه النظم هي نظم برمجيات تقوم باكتشاف معلومات غير تافهة ، مضمنة في البيانات ، ذات فائدة محتملة وغير معروفة مسبقا. يتم ذلك بواسطة إجراء عدة عمليات متتالية على قواعد البيانات من هذه العمليات : جمع البيانات ذات الصلة ( Data Collection )

- EXCITON COMPLEXES
- SEMICONDUCTORS
- الأنشطة الإنتاجية.
- البيئة الطبيعية
- البيئة والانسان
- التربية.
- التعدين
- السياحة
- الصناعة
- المنتجات التجارية.
- جغرافيا
- سيناء - تعدين
- مصر.
- التعليم
- التعليم
- الفيزياء
- الفيزياء
- المناجم والتعدين والموضوعات ذات الصلة
- فروع أخرى في الهندسة
- الأدب والبلاغة
- الأدب والبلاغة
- الأدب والبلاغة
- جغرافيا ورحلات آسيا





http://srv2.eulc.edu.eg/eulc/libraries/start.aspx?fn=BrowseLocalSerial&ScopeID=1.

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MsgPlus9

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المجلس الأعلى للجامعات

الموقع الحالي : المجلس الأعلى للجامعات

اختيار الموقع

English عربي تسجيل دخول

البداية مقتنيات المكتبات بحث الانترنت قواعد البيانات العالمية الرسائل العلمية رسائل قيد الدراسة الأبحاث العلمية الدوريات المحلية حسابي

دوريات الموقع

مجلة العلوم الزراعية بجامعة المنصورة

Alexandria Engineering Journal

Journal of Environmental Sciences

المجلة العلمية لكلية الآداب

المجلة العلمية لكلية تربية المنصورة

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# Discovering Functional Interdependence Relationship in PPI Networks for Protein Complex Identification

Winnie W. M. Lam\* and Keith C. C. Chan, *Member, IEEE*

**Abstract**—Protein molecules interact with each other in protein complexes to perform many vital functions, and different computational techniques have been developed to identify protein complexes in protein–protein interaction (PPI) networks. These techniques are developed to search for subgraphs of high connectivity in PPI networks under the assumption that the proteins in a protein complex are highly interconnected. While these techniques have been shown to be quite effective, it is also possible that the matching rate between the protein complexes they discover and those that are previously determined experimentally be relatively low and the “false-alarm” rate can be relatively high. This is especially the case when the assumption of proteins in protein complexes being more highly interconnected be relatively invalid. To increase the matching rate and reduce the false-alarm rate, we have developed a technique that can work effectively without having to make this assumption. The name of the technique called protein complex identification by discovering functional interdependence (PCIFI) searches for protein complexes in PPI networks by taking into consideration both the functional interdependence relationship between protein molecules and the network topology of the network. The PCIFI works in several steps. The first step is to construct a multiple-function protein network graph by labeling each vertex with one or more of the molecular functions it performs. The second step is to filter out protein interactions between protein pairs that are not functionally interdependent of each other in the statistical sense. The third step is to make use of an information-theoretic measure to determine the strength of the functional interdependence between all remaining interacting protein pairs. Finally, the last step is to try to form protein complexes based on the measure of the strength of functional interdependence and the connectivity between proteins. For performance evaluation, PCIFI was used to identify protein complexes in real PPI network data and the protein complexes it found were matched against those that were previously known in MIPS. The results show that PCIFI can be an effective technique for the identification of protein complexes.

## I. INTRODUCTION

PROTEIN molecules in protein–protein interaction (PPI) networks interact with each other in subnetworks, called protein complexes [18], [21]. Since protein complexes can play important roles in the understanding of cellular organizations and functions, such as replication, transcription, and control of gene expression, etc. [16], much recent effort has been made to discover protein complexes experimentally. Unfortunately, as laboratory experiments are time consuming and expensive, the number of experimentally identified protein complexes is still far from complete [27]. To reduce costs and time, some attempts have been made to use computational techniques to search for protein complexes in PPI networks automatically so that biological experiments can be better directed [19]. These techniques are mostly graph clustering algorithms. Given a PPI network represented in a graph, these graph clustering algorithms can be used to discover densely connected regions. Under the assumption that the proteins in protein complexes are more highly interconnected, these regions are expected to have higher chance to correspond to known protein complexes.

Among the graph clustering algorithms that have been used to discover protein complexes, MCODE [5] is one of the most popular. It discovers protein complexes based on the connectivity between protein molecules in a PPI network. Under the assumption that the proteins in a protein complex are more densely connected with each other [31], MCODE makes use of a local search algorithm that operates in three stages: vertex weighting, complex prediction, and postprocessing. Given a PPI network graph, MCODE first weights all its vertices based

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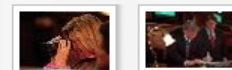
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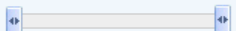


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



Authors: Jung-ran Park<sup>1</sup> jung-ran.park@school.drexel.edu  
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# A Scalable Middleware for Web Databases

*Athman Bouguettaya, Virginia Tech., USA**Zaki Malik, Virginia Tech., USA**Abdelmounaam Rezgui, Virginia Tech., USA**Lori Korff, Virginia Tech., USA*

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## ABSTRACT

*The emergence of Web databases has introduced new challenges related to their organization, access, integration, and interoperability. New approaches and techniques are needed to provide across-the-board transparency for accessing and manipulating Web databases irrespective of their data models, platforms, locations, or systems. In meeting these needs, it is necessary to build a middleware infrastructure to support flexible tools for information space organization.*



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*Evolution*, 45(3), 1991, pp. 622-629

## THE GENETIC INTERPRETATION OF INBREEDING DEPRESSION AND OUTBREEDING DEPRESSION

MICHAEL LYNCH

*Department of Biology, University of Oregon, Eugene, OR 97403 USA*

**Abstract.**—Inbreeding with close relatives and outbreeding with members of distant populations can both result in deleterious shifts in the means of fitness-related characters, most likely for very different reasons. Such processes often occur simultaneously and have important implications for the evolution of mating systems, dispersal strategies, and speciation. They are also relevant to the design of breeding strategies for captive populations of endangered species. A general expression is presented for the expected phenotype of an individual under the joint influence of inbreeding and crossbreeding. This expression is a simple function of the inbreeding coefficient, of source and hybridity indices of crossbreeding, and of specific forms of gene action. Application of the model may be of use in identifying the mechanistic bases for a number of evolutionary phenomena such as the shift from outbreeding enhancement to outbreeding depression that occurs with population divergence.

**Key words.**—Inbreeding depression, outbreeding depression.

Received April 2, 1990. Accepted August 13, 1990.

Two topics of fundamental importance to many areas in evolutionary biology are the consequences of inbreeding within populations and of outcrossing between populations. With almost no exception, empirical studies indicate that inbreeding causes a shift in mean phenotypes in a direction that causes a reduction in fitness (Wright, 1977; Shields, 1982; Charlesworth and Charlesworth, 1987; Ralls et al., 1988; Lynch, 1989). On the other hand, crossbreeding between populations often has positive effects on fitness-related traits (Darwin, 1877; Sheridan, 1981; Turton, 1981; Sprague, 1983; Levin, 1984). It is frequently argued that this response to outcrossing is simply the recovery from inbreeding depression that is expected to result from random genetic drift in isolated populations. One problem with this argument is that outcrossing does not always enhance fitness. Crosses between different species usually lead to substantial or complete inviability or infertility in the  $F_1$  or  $F_2$  generations (Barton and Hewitt, 1981; Templeton, 1981; Coyne and Orr, 1989), and

tions as mates become more and more distantly related, and has led to the suggestion that there is an optimal degree of outbreeding (Price and Waser, 1979; Shields, 1982; Bateson, 1983; Waser and Price, 1983). Dominance is generally believed to be the primary agent of inbreeding depression (Crow, 1948, 1952; Lande and Schemske, 1985; Charlesworth and Charlesworth, 1987). On the other hand, the decline in fitness under outcrossing is usually attributed to a breakup of coadapted gene complexes or favorable epistatic relationships (Mayr, 1963; Shields, 1982; Templeton, 1987). Thus, in proceeding from theories of inbreeding depression to those of outbreeding depression, there is a shift in emphasis from interactions within loci to interactions between loci.

Unfortunately, this dichotomy is not so clearcut. For example, although it has received little attention from empiricists, epistasis can contribute to inbreeding depression (Kempthorne, 1957; Bulmer, 1980; Hill, 1982). Moreover, the possibility that overdominance between alleles of closely

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