



جامعة الموصل
كلية الإدارة والاقتصاد

واقع توافر أبعاد تحليل البيانات الضخمة: دراسة مسحية في ديوان محافظة صلاح الدين

بحث الدبلوم العالي في تكنولوجيا معلومات الأعمال

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المستخلص

تناولت الدراسة موضوع تحليل البيانات الضخمة ضمن أبعاده (الحجم، السرعة، التنوع، القية، والصدق) في ديوان محافظة صلاح الدين. اعتمدت الدراسة على المنهج الوصفي التحليلي، وطبقت الدراسة على عينة مكونة من (185) فرد موزعين بين أربع فئات (مدير عام، معاون مدير عام، مدير قسم، ومدير شعبة) واستعملت الدراسة الاستبانة أداة رئيسية لجمع البيانات والمعلومات، فضلاً عن المقابلات الشخصية. وقد أُستعمل البرنامج الإحصائي (SPSS V27)(AMOS V2) لإجراء الاختبارات التي تخص الدراسة. وقد سعت الدراسة لاختبار عدد من الفرضيات المتعلقة بمدى توافر وتطبيق أبعاد تحليل البيانات الضخمة في ديوان محافظة صلاح الدين وذلك للإجابة على التساؤلات المتعلقة بمشكلة الدراسة التي كانت:

1- ماهو واقع تحليل البيانات الضخمة في ديوان محافظة صلاح الدين؟

2- هل تتوافر أبعاد تحليل البيانات الضخمة في ديوان محافظة صلاح الدين ؟

3- هل توجد علاقة ارتباط معنوية بين أبعاد تحليل البيانات الضخمة ؟

ولأجل الوصول إلى الأهداف الموضوعية ومعالجة البيانات والمعلومات استخدمت العديد من الأساليب الإحصائية الوصفية (الوسط الحسابي، الانحراف المعياري، والنسب المئوية نسبة الاحتمالية) واختبرت فرضيات الدراسة باستخدام الاختبارات اللامعلمية للعينة الواحدة.

توصلت الدراسة إلى مجموعة من النتائج أهمها وجود علاقة ارتباط معنوية بين أبعاد متغير الدراسة وهذا ما جاء متماشياً مع فرضياتها.

واستناداً إلى هذه النتائج تم صياغة عدد من المقترحات كان أهمها ضرورة استحداث وحدة تهتم بمتابعة التطورات التكنولوجية وتجميع البيانات وتوحيدها في صيغة ثابتة للاستفادة منها مستقبلاً في عملية التحليل واتخاذ القرار.

الكلمات المفتاحية: تحليل البيانات الضخمة، الحجم، السرعة، التنوع، القيمة، الصدق، وديوان محافظة صلاح الدين.

Abstract

The study addressed the topic of big data analysis within its dimensions (Volume, Velocity, variety, Value, and Veracity) in the Salah al-Din Governorate Office. The study adopted the descriptive approach. The analytical study was applied to a sample of (185) individuals distributed among four categories (General Manager, Assistant General Manager, Department Manager, and Division Manager). The study used the questionnaire as the main tool for collecting data and information, in addition to personal interviews. The statistical program was used (SPSS V27(AMOS V2) To conduct the tests related to the study. The study sought to test several hypotheses regarding the availability and application of big data analysis dimensions in the Salah al-Din Governorate office, in order to answer the questions related to the study problem, which were:

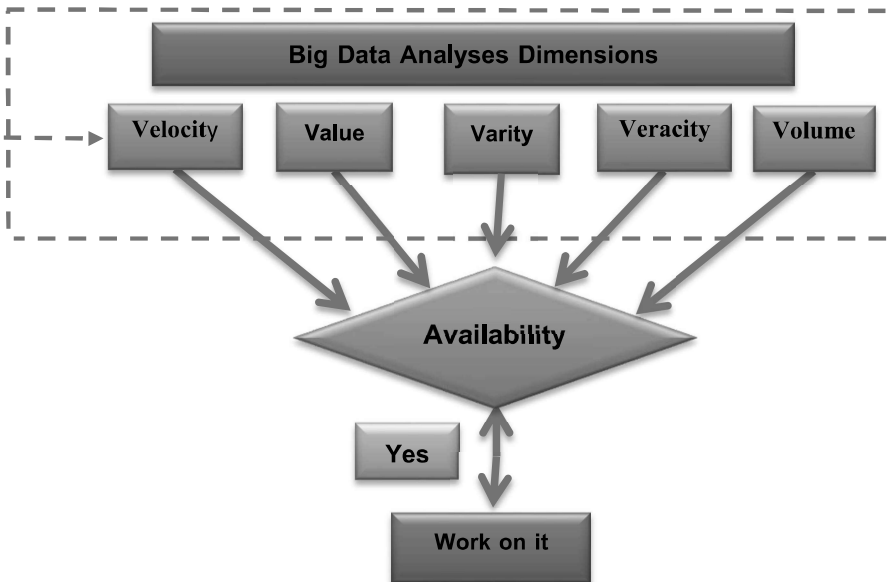
- 1- What is the reality of big data analysis in the Salah al-Din Governorate Office?
- 2- Are the dimensions of big data analysis available in the Salah al-Din Governorate office?
- 3- Is there a significant correlation between the dimensions of big data analysis?

In order to achieve the set goals and process the data and information, several descriptive statistical methods were used (arithmetic mean, standard deviation, and percentages/probability ratios), and the study hypotheses were tested using non-parametric tests for a single sample.

The study reached a number of conclusions, the most important of which is the existence of a significant correlation between the dimensions of the study variable, and this is consistent with its hypotheses.

Based on these results, a number of proposals were formulated, the most important of which was the need to create a unit concerned with monitoring technological developments, collecting data and unifying it in a fixed format to be used in the future in the process of analysis and decision-making.

Keywords: Big data analysis, Volume, Velocity, variety, Value, Veracity, and the Salah al-Din Governorate Office

HIGHLIGHTS	GRAPHICAL ABSTRACT
Big data analytics is one of the most important strategic tools that the governorate should use in this direction. Furthermore, there is a degree of fragmentation in this data, as the governorate deals with large and diverse amounts of data, whether demographic, investment, security, economic, social, or otherwise, which makes it difficult to access accurate information and make timely decisions.	 <pre> graph TD subgraph Dimensions [Big Data Analyses Dimensions] Velocity[Velocity] Value[Value] Variety[Variety] Veracity[Veracity] Volume[Volume] end Velocity --> Availability{Availability} Value --> Availability Variety --> Availability Veracity --> Availability Volume --> Availability Availability <--> Yes[Yes] Yes --> Work[Work on it] </pre>
Keywords:	ABSTRACT
Big data analysis, Volume, Velocity, variety, Value, Veracity, and the Salah al-Din Governorate Office.	The study addressed the topic of big data analysis within its dimensions (Volume, Velocity, variety, Value, and Veracity) in the Salah al-Din Governorate Office. The study adopted the descriptive approach. The analytical study was applied to a sample of (185) individuals distributed among four categories (General Manager, Assistant General Manager, Department Manager, and Division Manager). The study used the questionnaire as the main tool for collecting data and information, in addition to personal interviews. The statistical program was used (SPSS V27(AMOS V2) to conduct the tests related to the study The study sought to test several hypotheses regarding the availability and application of big data analysis dimensions in the Salah al-Din Governorate office, in order to answer the questions related to the study problem, which were: 1. What is the reality of big data analysis in the Salah al-Din Governorate Office? 2. Are the dimensions of big data analysis available in the Salah al-Din Governorate office? 3. Is there a significant correlation between the dimensions of big data analysis? In order to achieve the set goals and process the data and information, several descriptive statistical methods were used (arithmetic mean, standard deviation, and percentages/probability ratios), and the study hypotheses were tested using non-parametric tests for a single sample. The study reached a number of conclusions, the most important of which is the existence of a significant correlation between the dimensions of the study variable, and this is consistent with its hypotheses. Based on these results, a number of proposals were formulated, the most important of which was the need to create a unit concerned with monitoring technological developments, collecting data and unifying it in a fixed format to be used in the future in the process of analysis and decision-making. E-Mail: issa.24bap94@student.uomosul.edu.iq https://Uomosul.edu.iq/libcentral E-Mail: central_library@Uomosul.edu.iq

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**The reality of the availability of big data analytics
dimensions: A survey study in the Salah al-Din
Governorate Office**

**Higher Diploma Thesis in Business Information Technology
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