

## Towards a new science: data librarianship

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### **Abstract:**

Data" and "Data Science" have received great attention in recent years, especially after the spread of applications in many fields, including the field of libraries and information.

The study seeks to describe and present a new science, which is data librarianship, based on examining the literature on the subject in order to come up with concepts and ideas related to this newcomer.

The study shows that it is an interdisciplinary field that deals mainly with digital data, especially research data, in collecting, processing, preserving, archiving, making available, serving and managing, while benefiting from data technologies in libraries and other information institutions. The study also identifies the pillars of this newcomer, especially the activities of libraries and their services related to data and the tasks of data librarians.

The study calls for the creation of new jobs related to data activities and services in Arab libraries, as well as the introduction of one or more courses on data librarianship in the departments of library and information science in the Arab Region.

**Keywords** :Data; Data science; Data librarianship; Research data; Research data services; Data librarians.

## Spreading the culture of the data specialist in the Libyan academic libraries: schematic study

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### Abstract:

The library and information sector is based mainly on information and knowledge, so any change or transformation that affects the latter must un turn include library profession with its institutions and workers, and what the world today has turned into (the world of data based on big data). Level of services Here came the idea of studying the dissemination of the culture of the data specialist in the Libyan academic library. As the study sought to define the data specialist in terms of his duties and responsibilities, his requirements and skills he should have for the job of the data specialist based on the intellectual production, and the study aimed to identify the reality of the data specialist in the academic library Libyan, and means of activating his role in the library, the study adopted the case study method to explore the reality of data specialists in the librariesnuder study, as the researcher considered it appropriate for the study in order to describe and analyze a number of individuals, leading to a number of results revealed by the study, and to identify the problems and obstacles that the study community suffers from. At the end. I suggested recommendations that would overcome obstacles and problems to improve the level of the library for the better service of the academic community in particular and society as a whole in general

### Key words:

Spread the culture; Data specialist; Libyan Academic library; planning

## Photographic archives in Tunisian institutions in the digital age

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### Abstract:

Photographic archives constitute an integral and important part of the Tunisian audiovisual heritage. We are interested in this article in the conditions of conservation and management of photographic archives within Tunisian institutions. We adopt the “qualitative” scientific method, as we relied on “direct observation” in work institutions, with the aim of obtaining accurate information on the reality of managing photo collections in Tunisian institutions. The sample of the study is represented by a variety of tasks between economic, political, diplomatic, architectural, commercial, research and documentation.

We also adopted the analysis of the legal texts referred to in the article in order to call for their revision in order to clarify the procedures for depositing the photographic heritage, and to identify the interests concerned with preserving it.

The recommendations of our research are mainly, the need to develop a strategy for digitizing and archiving heritage photos in accordance with international standards; Then, the need to activate the role of the Tunisian National Library in preserving audiovisual memory.

**Keywords:** Photographic heritage; legal deposit, analogy photographic archive; digital photographic archive; AFNOR Z 44-077; Tunisian National Library.

## **Administrative audiovisual documents Identification and needs for content sustainability**

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### **Abstract:**

The use of audiovisual documents in an administrative environment is accompanied by several problems related to their design and their conservation in formats that comply with the specifications described in the scientific, professional and legislative references, during the cycle life, whether for their primary or secondary value.

This paper presents the most important characteristics of this type of documents and the means to fix their content and prove their authenticity, such as electronic signature, digital fingerprint, as well as the administrative and legal challenges that arise for their long-term preservation.

This work aims to define the concept and elements of the function of the durability of audiovisual documents, in addition to adjusting its position in the life cycle of documents. To do this, this article starts from the study of the terminology used then from the highlighting of the stakes of the durability of the administrative audiovisual contents before ending with the definition of the elements of the function of durability of the documents and the proposal recommendations to ensure their availability or the availability of their informational content throughout periods of need in authentic, complete and reliable and usable formats.

**Keywords :** Audiovisual documents; administrative documents; durability of audiovisual documents; long-term preservation

## The Effect of a Training Program Based on Blended Learning on Developing the Operational Skills of Sadara Petrochemical Company Employees

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### **Abstract:**

The study aimed to identify the impact of a training program based on blended learning on the development of operating skills among employees of the Sadara Petrochemical Company. The study used the semi-experimental method to answer the questions of the study. The study sample consisted of (15) employees, who were randomly selected. An experimental sample was chosen for one group. The study used the employees' practical performance observation card as a study tool. The results of the research showed that there were statistically significant differences at the level of significance ( $0.05 \geq \alpha$ ) between the mean scores of the experimental group in the pre and post application of the practical performance observation card in favor of the post application; This confirms that the use of the training program based on blended learning has helped develop the operating skills of Sadara Petrochemical Company employees. In light of the findings of the research, the research came out with many recommendations. Including the need to pay attention to the training environment for employees; So that it keeps pace with the era of technology development in the field of training and is suitable for the application of modern training systems such as blended learning, and the use of a training program based on blended learning in the training process, to develop employees' operating skills using modern learning technology, and recommended encouraging trainers in the field of employee training in the corporate sector to use training programs based on blended learning to develop employee skills.

**Keywords** :Training Program; Blended Learning; Operational Skills; Employees; Sadara Company

# The interaction between the free style navigating in e-training environments and its impact on the development of effective teaching skills and learning engagement of the student-teacher at the faculty of Education, New Valley University

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## **Abstract:**

The present research aimed to determine the effect of the interaction between the free style navigation in an electronic training environment and the cognitive style (tolerance of ambiguity/intolerance of ambiguity) in the development of effective teaching skills and engagement in learning for the student teacher at the Faculty of Education. The study sample was determined from 60 Students of the third year, Biology Division, Faculty of Education, New Valley University. The sample was divided into four experimental groups, each group (30) students- first group is students with the cognitive style (tolerating ambiguity) studying in the free navigation style, second group is students with the cognitive style (tolerating ambiguity) studying in the restricted navigation style, the third group is students with the cognitive style (intolerance of ambiguity) studying in the free navigation style, and the fourth group is students with Cognitive style (intolerance of ambiguity) taught in the style of restricted navigation, and the research tools included the following: an achievement test for cognitive information related to effective teaching skills (prepared by the researcher), observation card of practical performance of effective teaching skills, cognitive style scale (tolerance of ambiguity / lack of ambiguity tolerance), a measure of engagement in learning.

The results of the research revealed that there is an effect of the interaction between the navigation style in electronic training environment and the cognitive style (tolerance of ambiguity / intolerance of ambiguity) in developing effective teaching skills and engaging in learning for the student teacher at the Faculty of Education.

**Keywords:** Navigation; Effective skills education; Knowledge

## **Using applications of Internet of Things to develop integrated library management systems: Literature review**

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### **Abstract:**

The study aims to monitor and survey Arab and foreign intellectual production issued on the subject of using Internet of Things applications to develop library management systems from 2014 AD until the end of 2022 AD, to come up with quantitative and objective indicators of the bibliographical features of published intellectual production, based on the descriptive approach in its survey style, and the study ended with a set of results, perhaps the most important of which is the vertical superiority of foreign intellectual production on the subject over its Arab counterpart, and that the beginning of Arab intellectual production on the subject came only three years after the appearance of its foreign counterpart. The study also monitored about 72 studies on the subject, also 2021 AD is the year Studies related to the topic were published in it, where the number of studies reached 21 studies of the total studies.

**Keywords:** Internet of things; IOT; Internet of things applications; Integrated library management systems.