The Influence of Illustration on the Intellectual and Visual Content of Interactive Infographics

Thesis submitted to the Graphic department
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in Illustration

Submitted by :

Yomna Mohamed Fathallah Yakout

Demonstrator at Faculty of Arts and Design – Pharos University in Alexandria

Under supervision of :

Associate Professor
Yasser Eid El-Sayed Nada
Associate Professor at Graphic Department
Faculty of Fine Arts
Alexandria Univeristy

Associate Professor
Intsar Saad Mohamed Ahmed
Associate Professor at Graphic Department
Faculty of Fine Arts
Alexandria Univeristy

Associate Professor
Amani Farouk Ramadan
Associate Professor at Graphic Department
Faculty of Fine Arts
Alexandria Univeristy

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Thesis Summary

Chapter one

The research's methodology is based on a descriptive analytical approach.

Hence, the first chapter is emphasizing the technological advancements within our world today in addition to its influence on the massive outgrowth of information. The prescribed process requires a new set of design alternatives so as to be keeping pace with such evolution.

The alternatives proposed would thus represent a functional intersection among the information's age and the user's comprehensive grasp that is achieved through contemporary displays which have been developed relying on a number of technological and digital advancements.

Correspondingly, information design has arisen to efficiently contribute within the process of visual communication across a wide range of domains. The following chapter has addressed the standards and necessary basics for information design in addition to clarifying the variances among visual perception, information design and info graphics based on form, function and display methods.

This chapter has primarily focused on developing a detailed study for info graphics' concept, components and its relation with human brain's psychology. Furthermore, the chapter studied the essential elements for info graphic design based on specific information, data and visual context in addition to colors and symbols effective utilization. Finally, it introduced the design and implementation's phases for info graphics and its most specialized important websites.

Chapter Two

The second chapter has focused on studying the methods in which illustrations can represent the specific info graphics context through different illustration approaches (manual and digital) within the static, dynamic and interactive info graphic display. Moreover, the chapter has highlighted the importance of interactive display methods in addition to studying sorts of information's visual representation (geographical, statistical, etc.)

Chapter Three

The third chapter would be specifically studying the illustration's vital role through highlighting the historical aspects for particular illustration's works in info graphics. Furthermore, the following chapter has precisely studied the diverse illustration's artistic techniques for information design through different visual representation's methods as realistic, analytical, iconic, geometric, and data representations. It also explored the different techniques and methods in representing deconstructed and axonometric drawings in addition to presenting linear and detailed drawings that are comprehended within color and texture. Moreover, the third chapter has incorporated the vital role for geometric perspectives in information design and representations. Finally it explored the use of illustrations in info graphic design with a specific focus on scientific domains through the works of Fernando Baptista and Stephen Biesty.

The fourth chapter concludes with studying the illustration's interactive display in info graphics through exploring display methods and information's visual representation which are based upon a particular visual sequence, design's grid and path and clarity that represents a fundamental factor within information's design.

The chapter also addresses the direct impacts of information's deign on user's perception in addition to studying phases of memory's performance and theories of visual perception and their relation with different interactive display methods. Furthermore, the fourth chapter has highlighted interactive displays' methods and applications for information design through different websites and screens. It also studies different interactive screens' techniques and their applications in interactive info graphic display.