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AN OVERVIEW OF BASIC ECONOMETRICS: A SHORT NOTES E-BOOK

Nur Fadhlina Zainal Abedin & Faridah Pardi

Faculty of Business and Management, Cawangan Negeri Sembilan,
Kampus Seremban

nurfadhlina@uitm.edu.my

ABSTRACT

The eBook 'Basic Econometrics: An Overview' represents a significant teaching and learning innovation in the field of economics education. This resource simplifies the traditionally complex subject of econometrics, making it more accessible to students. Through a blend of clear explanations, engaging visuals, and an overview-oriented approach, the eBook empowers learners to grasp fundamental econometric concepts with ease. Moreover, it not only prepares students for advanced textbooks but also offers a vision of future commercialization with additional content, exercises, and game-based learning elements. This eBook not only enhances the understanding of econometrics but also aligns with environmental sustainability by promoting digital educational resources. It marks a promising step towards a more student-friendly, interactive, and environmentally conscious approach to teaching and learning.

Key Words: Econometrics, E-Book, Short Notes

1. INTRODUCTION

In the realm of economics education, it's essential to bring innovation into teaching and learning to make complex subjects more approachable for students. "Basic Econometrics: An Overview" is an ebook that represents a significant leap in this direction, aiming to address the longstanding issue of students struggling to grasp econometrics. This project offers a fresh perspective and a solution to this challenge.

Econometrics, a key part of economics, has traditionally been perceived as complex and challenging, often causing students to shy away. Traditional textbooks use technical language and advanced mathematical and statistical concepts, making the subject appear intimidating (Morales, 2013). As a result, students often face difficulty in understanding econometrics, leading to a high failure rate. Recognizing this problem, the "Basic Econometrics: An Overview" project seeks to simplify the subject, making it more accessible to students.

The problem at hand is two-fold. Firstly, econometrics has been a concern for students due to its perceived complexity, resulting in a high failure rate. Secondly, conventional teaching materials have not provided an effective solution to this issue. Therefore, there is a pressing need for a more student-friendly and engaging approach to teaching econometrics.

The primary objective of the "Basic Econometrics: An Overview" project is to introduce an innovative teaching and learning resource that simplifies the complex subject of econometrics, making it more accessible to students. The project aims to bridge the gap between traditional, technically challenging econometrics textbooks and students' initial exposure to the topic. By offering a clear and concise overview, the eBook prepares students to tackle more technical econometrics materials with confidence. The project also plans to expand its content, introducing exercises with answers and elements of game-based learning to enhance student engagement and understanding (Byker et al.,

2022). Furthermore, the project aligns with environmental sustainability by promoting digital educational resources. This initiative is a significant step toward creating a more student-friendly, interactive, and environmentally conscious approach to teaching and learning in the field of economics education.

2. METHODOLOGY

The methodology for the development of the eBook, "Basic Econometrics: An Overview," involves several key steps and considerations as shown in Figure 1. The project begins with the compilation and simplification of content from diverse sources. Educators and econometrics experts collaborate to gather and refine material covering essential topics in econometrics. This phase is instrumental in making the content more student-friendly by breaking down complex ideas into clear and understandable explanations. The overarching objective is to demystify econometrics, a subject traditionally associated with complexity and technicality.

Visual enhancement is another critical facet of the methodology. Visual elements such as images, diagrams, and charts are thoughtfully integrated into the eBook. These visuals serve a dual purpose. Firstly, they complement the textual content, helping to illustrate key points and concepts, making the subject more engaging and relatable. Secondly, they cater to different learning styles, allowing students to grasp ideas through visual representation, fostering a more holistic understanding of econometrics.

Once the content has been compiled, simplified, and enhanced with visuals, it undergoes a rigorous proofreading and content editing process. This step ensures that the content is not only accessible but also of high quality, free from language ambiguities and inaccuracies. Clarity, accuracy, and readability are paramount to the project's success (Kassens, 2019).

The formatting of the eBook is the next vital phase. Proper formatting is crucial for maintaining consistency in fonts, styles, and layout. It ensures a seamless reading experience, enhancing the accessibility of the content and improving its overall presentation.

An International Standard Book Number (ISBN) is assigned to the eBook, providing it with an official identity and facilitating its cataloguing and citation. This step is a critical element of making the eBook a recognized and legitimate educational resource. Upon completing these initial stages, the eBook is published on suitable digital platforms to maximize accessibility for students. This digital format allows for ease of distribution and compatibility with various devices and eBook readers.

Looking to the future, the project has ambitious plans for further development. It intends to expand its content, introducing exercises with answers to support student learning and provide practical application of econometric concepts. Additionally, elements of game-based learning will be incorporated to make the material even more interactive and engaging for students.

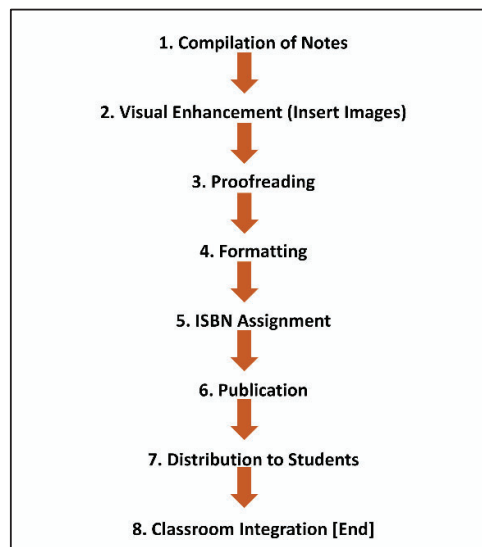


Figure 1. E-Book Flow Chart Process

3. RESULTS

The ebook, "Basic Econometrics: An Overview" has been successfully published and is readily accessible (Figure 2). Students, educators, and learners from diverse backgrounds can access the ebook for free through the following link: <https://rebrand.ly/5yqnxdk>. This accessibility ensures that the ebook is not only a valuable resource for the academic community but also for a wider audience seeking to enhance their understanding of econometrics without financial barriers.



Figure 2. The Basic Econometrics: An Overview E-Book

3.1 Innovativeness

The eBook introduces a fresh and innovative approach to teaching and learning in economics. It addresses a longstanding problem in econometrics education by simplifying complex concepts, enhancing comprehension, and increasing student engagement. Through the use of clear explanations, engaging visuals, and an overview-oriented approach, it bridges the gap between traditional, technically challenging textbooks and students' initial exposure to the subject. Moreover, the project plans to introduce content expansion with exercises and game-based learning elements, ensuring that it remains innovative and responsive to evolving educational needs.

3.2 Support for Environmental Sustainability

The project also aligns with environmental sustainability goals. By promoting digital learning materials, the eBook reduces the ecological footprint associated with traditional printed textbooks. It eliminates the need for paper production, minimizing transportation emissions, and conserving energy. Additionally, the eBook's digital format allows for easy updates and maintenance without the need for reprinting, contributing to sustainability efforts by reducing waste. This project not only enhances education but also supports a more environmentally conscious approach to teaching and learning.

4. CONCLUSION

In conclusion, this paper outlines the journey of "Basic Econometrics: An Overview," an innovative eBook designed to transform the teaching and learning of econometrics. By providing free access to this resource, we aim to make econometrics more accessible and comprehensible to a broad audience. Furthermore, this initiative aligns with the crucial goal of environmental sustainability. By promoting digital learning materials, the project reduces the environmental impact associated with traditional printed textbooks, contributing to a greener and more sustainable future. The "Basic Econometrics: An Overview" eBook stands as proof to the power of innovation in education, enabling students and learners from diverse backgrounds to access high-quality educational content for free. It is not just an eBook; it represents a step towards a more inclusive, innovative, and environmentally conscious approach to teaching and learning in economics.

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