**Crafting energy strategies using a hybrid analytics approach: Determinants of a perfect economic growth**

Umit Hacioglu\*,

**\*Corresponding Author:** Professor, School of Business, Ibn Haldun University, Ulubatli Hasan Cad., No: 2, Basaksehir, 34494, Istanbul, Turkey. E-mail: umit.hacioglu@ihu.edu.tr

ORCID: https://orcid.org/0000-0002-0068-0048

If you do not have any orcid yet, please visit orcid.org

John Hash,

Professor, Dean, School of Business, Ibn Haldun University, Ulubatli Hasan Cad., No: 2 Basaksehir, 34494, Istanbul, Turkey. E-mail: email@ihu.edu.tr

ORCID: <https://orcid.org/0000-0001-6036-055x>

 Zoe Starr,

Professor, School of Business, Ibn Haldun University, Ulubatli Hasan Cad., No: 2 Basaksehir, 34494, Istanbul, Turkey. E-mail: email@ihu.edu.tr

ORCID: https://orcid.org/0000-0002-9119-325x

**Acknowledgement ( MUST) Please complete the following details**

All authors have read and agreed to the published version of the manuscript.

**Author Contributions:** Conceptualization, U.H., J.H. and Z.S.; methodology, U.H., J.H.validation, Z.S.; formal analysis, U.H., J.H. and Z.S.; investigation, J.H.; resources, U.H.; writing—original draft preparation, U.H..; writing—review and editing, U.H., J.H. and Z.S.

**Funding:** This research was funded by …….

**Informed Consent Statement:** Informed consent was obtained from all subjects involved in the study.

**Data Availability Statement:** The data presented in this study are available on request from the corresponding author. The data are not publicly available due to restrictions.

**Conflicts of Interest:** The authors declare no conflict of interest.

**Abstract**

Abstract should be very informative about the paper includes its objectives; methods; data; and main findings within 250-270 Words. This paper aims to examine/demonstrate/evaluate the effects of…. In this paper, it is also aimed to ….. We employed a hybrid analytics method for…. A dataset of 340 PLCs from 2012-2021 in energy industry has been analyzed from 2012-2021. Main findings of the study demonstrate that (i) ….., (ii)…., and finally (iii)…

**Keywords:** Energy, Solar, Hybrid, Economic Growth, Japan (Should not be more than 5)

**JEL Classification:** O15, E41, L4

(please visit <https://www.aeaweb.org/econlit/jelCodes.php>)

**Introduction**

(A title should be around 1 and 1.5 pages)

Succinct, with no subheadings. Introduction – defines the problem and the subject matter of the research referring to recent bibliography and findings. However, these can more specifically be dealt with in the second section Literature review. The last part of the introduction is reserved for setting the hypothesis of the research that will be later on analyzed at the beginning of the conclusions. Finally, Introduction ends up by giving clues of the organisation of the text.

Introduction is not the summary of your study. Please provide information about your paper including motivation of the study, importance of the topic in the first two paragraphs.

Furthermore, a detailed discussion on topic in related literature will be highly appreciated. If possible, please give us some ideas on ongoing discussions among the different scholars or camps. It should be around two paragraphs. **Please** apply the (Author, Date) and refer to et al. for articles with more than 2 authors (Tatoglu et al., 2022). Prefer to split sources using (;) for multiple citations (Cliffton, 2018; Shaw, 2022; Zoe, 2021)

Authors should not provide full literature review under this section. Therefore, we need a literature review part. However, readers should understand the objective of the study, main research questions and approach within a paragraph.

Moreover, authors should provide some information on methods, data and analysis within a paragraph.

In the last paragraph, please introduce the sections of your text and explain how it is organized.

This paper is organized as follows: following the introduction part, a second part is a literature review with theoretical and empirical studies that shed a light on linkage between theory and practice. The third part introduces the background information on research and methodology. After analysis and findings of the study, authors provide discussions and implications. Finally, this paper concludes with key points, recommendations, future research directions and limitations.

**Literature Review**

A paragraph should explain the purpose and approach of review.

**Theoretical and Conceptual Background**

Theoretical and Conceptual Background should be efficiently discussed linking hypothesis with empirical reviews. Up-To-date top-class citations will improve the impact of research on readers.

**Empirical Review and Hypothesis Development**

Authors should back their hypothesis with latest empirical studies in the related field.

**Research and Methodology**

This section may be divided by subheadings and should contain sufficient detail so that when read in conjunction with cited references, all procedures can be repeated. For experiments reporting results on animal or human subject research, an ethics approval statement should be included in this section. usually in the second section of the paper, method/model/conception of the analysis should be transparently presented and pointed out in case of the research results being subjected to re-testing by interested researchers which is one of the fundamental principles of the scientific methodology).



**Figure 1:** Conceptual Model of the Study; *Source:* Authors

( visit [www.draw.io](http://www.draw.io) for professional drawings; please do not use PDF screenshots or MS word default drawing)

Tables should be in harmony with information on text and table numbers should be checked by authors.

**Table 1:** Summary of Literature Review

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Author (Date)** | **Subject** | **Variables** | **Methods** | **Findings** |
| Bozdogan, U. (2021) | Energy Problem in Aviation | Flight Number, Passengers, Cargo Size | Regression Model | Number of Passengers, flight distance, range and cargo type affect the fuel consumptions |
| Steam et al., (2022) | Fatique in Aviation | Caben Crew, Pilots, Passengers | Multi regression model | As fatigue of pilots increases over intercontinental flights…. |

**Source:** Authors

**Findings and Discussions**

**Findings** section may be divided by subheadings. Footnotes should not be used and must be transferred to the main text.

**Discussion** section may be divided by subheadings. Discussions should cover the key findings of the study: discuss any prior research related to the subject to place the novelty of the discovery in the appropriate context, discuss the potential shortcomings and limitations on their interpretations, discuss their integration into the current understanding of the problem and how this advances the current views, speculate on the future direction of the research, and freely postulate theories that could be tested in the future.

For further information, please check the descriptions defined in the journal’s "Article Types" page, which can be seen from the "For Authors" menu on any journal page.

**Conclusions**

Conclusion section is not supposed to be a summary! Please do not use subtitles here! Conclusions are the author’s original thoughts and evaluation of the obtained results including the items as follows:

* Explanation of the working hypothesis – proved or not proved;
* Assessment of the results of research/analysis with the focus on what can be classified
* as a new contribution to science;
* Attention drawn to research limitations and problems;
* Guidelines to future research;
* Assessment of institutional-systemic implications of the results obtained by the
* research (suggestions and recommendations for changes of economic system, economic and financial policy, development policy, instruments, measurements or similar).

**Acknowledgments**

This is a short text to acknowledge the contributions of specific colleagues, institutions, or agencies that aided the efforts of the authors. Should the content of the manuscript have previously appeared online, such as in a thesis or preprint, this should be mentioned here, in addition to listing the source within the reference list.

**References**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **This Journal uses only APA style (Author-Date).** |
| * For more details: Refer to Mendeley’s [APA format Citation Guide](https://www.mendeley.com/guides/apa-citation-guide/)
 |
| * All citations in the text, figures or tables must be in the reference list and vice-versa.
 |
| * The names of the first six authors followed by et al. and the DOI (when available) should be provided.
 |
| * Given names of authors should be abbreviated to initials (e.g., Smith, J., Lewis, C.S., etc.). Refer to et al. for more than 2 authors (Tatoglu et al., 2022)
 |
| * The reference list should only include articles that are published or accepted.
 |
| * Unpublished data, submitted manuscripts or personal communications should be cited within the text only, for the article types that allow such inclusions.
 |
| * For accepted but unpublished works use "in press" instead of page numbers.
 |
| * Data sets that have been deposited to an online repository should be included in the reference list. Include the version and unique identifier when available.
 |
| * Personal communications should be documented by a letter of permission.
 |
| * Website URLs should be included as footnotes.
 |
| * Any inclusion of verbatim text must be contained in quotation marks and clearly reference the original source.
 |
| * Preprints can be cited as long as a DOI or archive URL is available, and the citation clearly mentions that the contribution is a preprint. If a peer-reviewed journal publication for the same preprint exists, the official journal publication is the preferred source.
 |

 |

**Examples**

Suganda, U. K., Theresia, M. P., & Wijaya, H. A. (2022). Antecedent of green purchase behavior: Cases of Indonesia. *International Journal of Business Ecosystem & Strategy*, 4(1), 01–10. <https://doi.org/10.36096/ijbes.v4i1.306>

Sorenson, P. W., and Caprio, J. C. (1998). "Chemoreception," in The Physiology of Fishes, ed. D. H. Evans (Boca Raton, FL: CRC Press), 375-405.

Cowan, W. M., Jessell, T. M., and Zipursky, S. L. (1997). Molecular and Cellular Approaches to Neural Development. New York: Oxford University Press.

Hendricks, J., Applebaum, R., and Kunkel, S. (2010). A world apart? Bridging the gap between theory and applied social gerontology. Gerontologist 50, 284-293. Abstract retrieved from Abstracts in Social Gerontology database. (Accession No. 50360869)

World Health Organization. (2018). E. coli. <https://www.who.int/news-room/fact-sheets/detail/e-coli> [Accessed March 15, 2018].

Marshall, S. P. (2000). Method and apparatus for eye tracking and monitoring pupil dilation to evaluate cognitive activity. U.S. Patent No 6,090,051. Washington, DC: U.S. Patent and Trademark Office.

Smith, J. (2008) Post-structuralist discourse relative to phenomological pursuits in the deconstructivist arena. [dissertation/master’s thesis]. [Chicago (IL)]: University of Chicago

Smith, J. (2008). Title of the document. Preprint repository name [Preprint]. Available at: https://persistent-url (Accessed March 15, 2018).