

Guidelines for Term Paper – EE482

Objective:

The term paper aims to provide an opportunity to demonstrate your quantitative analysis skills in industrial economics. You are required to explore, analyze, and prioritize key industries and economic activities that significantly contribute to the economy of a chosen country. This analysis should be grounded in robust computational techniques and data analysis. Specifically, it is recommended that your analysis incorporates the subsequent data and computational methods:

- (1) Input-output table
- (2) Backward and forward multipliers
- (3) Network analysis and centrality index

The inclusion of additional data sources and computational techniques (such as the Economic Complexity Index) is also welcomed.

Structure:

Your term paper should adhere to the following structure:

1. Title Page

- Title of the paper
- Names of members (with student IDs and email addresses)
- Course title and code
- Date of submission

2. Abstract

- A succinct summary of the research, methodologies, and key findings (150-200 words).

3. Introduction

- Background of the chosen country's economy.
- Significance of the study.
- Objectives of the analysis.
- Hypothesis (if any).

4. Literature Review

- Overview of existing research on industrial economics, multipliers and network analysis, and economic complexity in the context of your chosen country or similar economies.
- Gaps or opportunities your research intends to address.

5. Methodology

- Description and justification of the computational techniques and data sources employed.
- Procedures for data collection and analysis including forward and backward multipliers, network analysis, and centrality indices.

6. Data Analysis

- Detailed analysis of the data.
- Interpretation of results in terms of industrial prioritization and economic contributions.

7. Discussion

- Comparison of your findings with existing literature.
- Implications of your findings on policy and the broader economic landscape.
- Policy recommendations.

8. Conclusion

- Summary of key findings.
- Recommendations and future directions for research.

9. References

- A comprehensive list of all references cited in the paper, formatted according to the APA citation style.

10. Appendices

- Any supplementary material like data sets, graphs, or additional analyses.

Length:

- 3,500 – 4,500 words, excluding abstract, tables, charts, diagrams, appendices, and the list of references.

Evaluation Criteria:

- **Relevance and Clarity of Research Question (15%):** Clearly defined and economically significant research question.
- **Literature Integration (10%):** Effective integration and critique of existing literature.
- **Rigor of Methodological Approach (20%):** Adequate and appropriate use of computational techniques.
- **Depth of Analysis (20%):** Thorough data analysis and insightful interpretation.
- **Written communication (10%):** Logical organization, clarity of expression, and adherence to academic writing standards.

- **Originality and Creativity (10%):** Novel approach, insightful interpretations, and/or innovative recommendations.
- **Contribution to the Field (15%):** The extent to which the paper advances understanding in the field of industrial economics.

Submission Deadlines:

- **Submission of a research topic and the list of group members:** 19 November 2023 (via nattapong@econ.tu.ac.th before 11.45pm)
- **Final Submission of the full-text paper:** 19 December 2023 (via nattapong@econ.tu.ac.th before 11.45pm)