課程目標

本課程主要的目的爲探討非營利組織與政府機關的表現。課程會先介紹非營利組織的特性，並以醫療機構爲例說明非營利組織的績效表現。此外，介紹資料包絡分析法 (Data Envelopment Analysis, DEA) 及隨機生產 (成本) 函數估計法 (Stochastic Frontier Analysis, SFA) 的概念，評估效率與生產力變動的衡量方式。隨後，以資料包絡分析法爲主軸，說明在政府組織與非營利組織的相關應用，隨著課程進度以及修課同學的需要，在課堂中也會介紹數種分析軟體的操作。

課程要求:

修課同學2人分成1組，每組以合作的方式達成下列要求。

1. 報告指定的文獻1次。並於每次報告前撰寫一份3-5頁摘要報告。報告內容應說明文獻的問題動機、相關理論、研究方法、實證資料、主要結論、引伸含意以及您的讀後心得與評論。建議同學針對該文的評估模型提出是否合用的評論，此部分不一定要嚴格的理論正確，而是鼓勵同學以應用的角度審視該文採用模式的可能應用。每組口頭報告時間約40-45分鐘。

2. 評論其他組同學的報告1次。評論前需要交1-2業的摘要報告。報告內容需包括研究目的、文獻的特色。此外，有5-10分鐘的口頭評論，建議評論時針對文章的可能缺失，以及報告組的報告提出更正與建議。

3. 學期報告。撰寫一份10頁以內學期報告，內容需包括研究導動機、相關理論、資料蒐集、資料分析與結論。歡迎同學隨時跟我討論您的想法。

課程大綱

1. 非營利組織的特性，及績效評估的角度。
2. Review of Producer Theory: OnFront, Ch. 2, and CRB CH.2-3.
5. Productivity and DEA II: OnFront and CRB, Ch. 10 pp. 221-232.
6. Computational and Modeling Issues: CRB, Ch. 7.

教材:


3. DaTim Anderson at Portland State University has helped set up a DEA homepage: [http://www.emp.pdx.edu/dea/homedea.html](http://www.emp.pdx.edu/dea/homedea.html) Download the Introduction to DEA.


建議報告文献


建議教材:


COURSE POLICIES:

1. Book chapters are assigned each week. Reading each chapter and doing the problems will help you understand the material. I will assume you have read each chapter PRIOR to discussion question and explanation. I am very happy to help any student to learn the material. But before you discussion a question with me, I expect that you do your part of the bargain. That is, you are to read the text, work the problems before hand, and discuss with classmates concepts and problems first. Then you are more than welcome to ask questions anytime! Written Material and your colleagues are valuable resources that are instrumental in any career!!!!

2. Examinations must be taken at the scheduled time. No makeup exam is allowed unless you are involved in an emergency under certain circumstances. If it happens to you, official affidavits and your written petition must be presented to the instructor in order to file for an official decision and record.

3. Any violations to the university’s academic honesty policies will result in the student getting an “F”.

4. The first set of Exercises and Practice problems from the text are assigned for you to do on your own. They will not be collected or graded, but many of
the test questions will be similar to these practice problems. The second set of Exercises and Practice problems from the text are assigned and have to be turned in for credit.

5. *No telephone confirmation* to department of accounting of final score.

**GRADE:** Course Grade will be determined as follows:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tr>
<td>Class participation</td>
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<td>Report paper</td>
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<td>Term paper</td>
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<td><strong>Total</strong></td>
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1. Your final grade will be based solely on your exam scores. *No extra-credit work* will be provided or accepted.

2. *No make-up for quizzes* because rationale for the quizzes is to reward you for being class and studying on time.

3. *No telephone confirmation* to the Dept. of Public Finance for your final grade.

4. If you cannot take a midterm/final exam by any *sensible* reason (e.g. serious illness, traffic accident, family emergency, etc), please inform me *immediately* to arrange a make-up for you.

5. The format of exams will be announced at least 4 days prior to the dates.

6. Calculators are allowed in exams.

**RULES IN CLASSROOM**

Adult behavior is expected. In order to avoid interruption, please turn off your cell phone in the class time.

**CONTACT INFORMATION**

Office: 6F11 Business Building (San-Xia campus)

E-Mail: jennkuo@mail.ntpu.edu.tw

Office phone: 02 - 25009054 (Min-Sheng campus)

Office Hours: Tuesday 13:00 p.m. – 17:00 p.m. (Min-Sheng campus) by appointment.
### Other references

#### Session 1  Introduction of Frontier Method of Efficiency Measure.

#### Session 2  Public Sector Application I

#### Session 3  Cross-Efficiency Measurement: Closer look the input and output weight.

Relevance Application:
1. **Technology Selection:**

2. **Allocation**

#### Session 4  Exogenously Fixed Inputs (Output) and Categorical Variable
## Session 5  Non-Discretionary Factors

## Session 6  Weight (multiplier) Restriction
2. Assurance region:
3. Cone-ratio Envelopment

## Session 7  Eliminate the Others Influence Factors by DEA.

## Session 8  Malmquist Productivity Index and Window Analysis

### Relevance Reading:

## Session 9  Governmental Service Provision Application:
2. Application of Balanced Scorecard:

## Session 10  Financial performance of Non-for-profit Organization


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<thead>
<tr>
<th>Session 11</th>
<th>Efficiency Measure Orientation</th>
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<tbody>
<tr>
<td><strong>1. MinAverage</strong></td>
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<td><strong>2. Super-efficiency</strong></td>
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