1. Productivity and Why it Matters

1a. A One-Day Primer on Productivity


1b. Recent Historical Background


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1c. The Productivity Paradox


### 1d. Historical Perspectives on the Productivity Paradox


1e. Measurement Problems


2. Duality and the Role of Production Technology

2a. Theory and Applications


2b. Two useful texts on production theory are

3. The Measurement of Productive Efficiency: Background


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4. The Econometric Approach to Efficiency Measurement

4a. Stochastic Frontier Analysis: Techniques


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4c. **Parametric Shadow Price Analysis**

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4d. A book-length treatment of SFA is provided by


4e. Two popular software packages are provided by
5. The Mathematical Programming Approach to Efficiency Measurement

5a. Data Envelopment Analysis: Techniques


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**5b. Weight Restrictions and Value Judgments in DEA**


5c. **Statistical Foundations of DEA**


5d. Data Envelopment Analysis: Applications


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D. Prior and J. Surroca (200?), “Strategic Groups Based on Marginal Rates: An Application to the Spanish Banking Industry,” *European Journal of Operational Research*

5e. **Book-length treatments of DEA are provided by**


5f. **Two popular software packages are**


Warwick DEA Software. Warwick Business School, Warwick University, Coventry CV4 7AL, UK ([dea.et@btinternet.com](mailto:dea.et@btinternet.com))

5g. **A popular web site with many useful links is**

[http://www.DEAzone.com](http://www.DEAzone.com)
6. Comparing Econometric and Mathematical Programming Analyses


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