

# *Curriculum Vitae*

## Personal Information

Name Yi-Tui Chen, Ph.D.  
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## Education

Duration	Institution	Degree
Sep. 2006- 2009	Nov. Department of Business Administration, National Central University	Ph. D.

## Specialties and Research Interests

1. Smart Healthcare
2. Mathematical Statistics
3. Medical Industry Analysis
4. Health Technology

## Professional Appointment

Duration	Title	Institution
2019/8- present	Professor	National Taipei University of Nursing and Health Sciences
2014/2- 2018/9	Associate Professor	National Taipei University of Nursing and Health Sciences

## Publications

1. Ding, J.E., Thao, P. N. M., Peng, W. C., Wang, J. Z., Chug , C. C., Hsieh, M. C., Tseng, Y. C., Chen, L., Luo, D., Wu, C., Wang, C. T., Hsu, C. H., **Chen, Y. T.**, Chen, P. F., Liu, F., Hung, F. M. (2024). Large language models for new-onset type 2 diabetes prediction using five-year cohort electronichealth records, *Scientific Report*. (Accepted)
2. Lin, L. Y., Husnayain, A., **Chen, Y. T.**, Kuo, C. Y. \* (2024). The association between interest of nutritional supplements and COVID-19 pandemic - Evidence from Google Trends. *BMC Public Health*, 24(1):109 Impact factor: 4.5 (SCIE: Q2)
3. **Chen Y. T.** (2023). Effect of vaccination patterns and vaccination rates on the spread and mortality of the COVID-19 pandemic. *Health Policy and Technology*, 12(1), 100699. (SSCI:Q1)
4. **Chen, Y.T.**, Su, E. C. Y., Hung, F. M., Hiramatsu, T., Hung, T. J., Kuo, C. Y. (2023). Constructing a learning curve to discuss the medical treatments and the effect of vaccination of COVID-19. *Healthcare*, 11(11), 1591. (SSCI:Q2)  
新光醫院-112D007-4
5. Lim, K. X., **Chen, Y. T.**, Chiu, K. M., Hung, F. M. (2022). Rush Hour: Transform a modern hotel into cloud-based virtual ward care center within 80 hours under COVID-19 pandemic. Far eastern Memorial Hospital's experience. *Journal of the Formosan Medical Association*, 121(4), 868-869. (SCI:Q1)
6. 高鳳霞、鄭昱宏、吳堯達、**陳依兌**\*、黃仲毅，(2021) 醫院員工的醫院評鑑滿意度對其工作壓力、情緒耗竭、以及評鑑工作改善的影響，*健康管理學刊*，32(1)，20-31。
7. Su, E. C. Y., Hsio, C. H., **Chen, Y. T.**,\* & Yu, S. H., (2021). An Examination of COVID-19 Mitigation Efficiency among 23 Countries. *Healthcare*, 9, 755. (SCI: Q2)
8. **Chen, Y. T.** (2021). The effect of vaccination rates on the infection of COVID-

19. *International Journal of Environmental Research and Public Health*, 18, 7491.
9. **Chen, Y. T.**, Yen, Y. F., Yu, S. H., & Su, E. C. Y. (2020). A Flexible Lockdown by Integrating Public Health and Economic Reactivation to Response the Crisis of COVID-19: Responses to Comments by Alvaro J Idrovo on “An Examination on the Transmission of COVID-19 and the Effect of Response Strategies: A Comparative Analysis”. *International Journal of Environmental Research and Public Health*, 17(21), 8068. Impact factor: 2.849; PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (32/171). (SSCI: **Q1**)
10. **Chen, Y. T.**, Yen, Y. F., Yu, S. H., & Su, E. C. Y. (2020). An examination on the transmission of COVID-19 and the effect of response strategies: a comparative analysis. *International Journal of Environmental Research and Public Health*, 17(16), 5687. Impact factor: 2.849; PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (32/171). (SSCI: **Q1**)
11. Yen, Y. F., Lai, Y. J., Ko, M. C., Chen, Y. Y., **Chen, Y. T.**, Chou, Y. S., ... & Chen, C. C. (2020). Association of Hospice Care Services with the Utilization of Life-Sustaining Treatments During End-of-Life Care Among Patients with Cancer: A Nationwide 11-Year Cohort Study. *Journal of Pain and Symptom Management*, 1-10. Impact factor: 3.077; HEALTH CARE SCIENCES & SERVICES(22/102).(SSCI: **Q1**)
12. Lai, H. H., Kuo, Y. C., Kuo, C. J., Lai, Y. J., Chen, M., **Chen, Y. T.**, ... & Wang, C. C. (2020). Methamphetamine Use Associated with Non-adherence to Antiretroviral Treatment in Men Who Have Sex with Men. *Scientific Reports*, 10(1), 1-8. Impact factor: 3.998; MULTIDISCIPLINARY SCIENCES(17/71). (SSCI: **Q1**)
13. Lai, Y. J., Chen, Y. Y., Ko, M. C., Chou, Y. S., Huang, L. Y., **Chen, Y. T.**, ... & Chuang, P. H. (2020). Low Socioeconomic Status Associated with Lower Utilization of Hospice Care Services during End-of-life Treatment in Cancer Patients: A Population-based Cohort Study. *Journal of Pain and Symptom Management*, 60(2), 309-315. Impact factor: 3.077; HEALTH CARE SCIENCES & SERVICES(22/102). (SSCI: **Q1**)

14. Chen, C. C., Chen, C. T. Y., Ko, M. C., Chien, Y. C., Su, E. C. Y., **Chen, Y. T.**\*. (2020). Factors affecting treatment with life-saving interventions, computed tomography scans and specialist consultations. *International Journal of Environmental Research and Public Health*, 17(8), 2914. Impact factor: 2.849; PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (32/171). (本期刊被 SCI 收錄: **Q1**).
15. **Chen, Yi-Tui**\*. (2019). An examination of the determination of medical capacity under a national health insurance program. *International Journal of Environmental Research and Public Health*, 16, 1206. Impact factor: 2.849; PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (32/171). (本期刊被 SCI 收錄: **Q1**). MOST 107-2410-H-227-002.
16. Shih-Heng Yu, Emily Chia-Yu Su, and **Yi-Tui Chen**\*. (2018). Data-driven Approach to Improving the Risk Assessment Process of Medical Failures. *International Journal of Environmental Research and Public Health*, 15, 1-12. Impact factor: 2.849; PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (32/171). (本期刊被 SCI 收錄: **Q1**). MOST 107-2410-H-227-002.
17. Su, E. C. Y., **Chen, Y.T.**\* (2018). Policy or income to affect the generation of medical wastes: An application of environmental Kuznets curve by using Taiwan as an example. *Journal of Cleaner Production*, 188(1), 489-496. Impact factor: 7.246; ENVIRONMENTAL: SCIENCES (19/265). (本期刊被 SCI: **Q1**). MOST 106-2401-H-227-001.
18. **Chen, Y.T.**, Yang, F. C., Yu, S. H. (2018). The diffusion effect of MSW recycling. *Sustainability*, 10(1), 40-51. Impact factor:2.576; Environmental Studies: (53/123) (本期刊被 SSCI 收錄:Q2) MOST 106-2401-H-227-001.
19. 李鴻祥、謝志光、校正興、**陳依兌**\*，(2018)整併策略對於醫療產業經營績效的影響”以臺北市立聯合醫院為例，*健康管理學刊*，15(2)，21-38。
20. Yang, F. C., **Chen, Y.T.**\* (2017). Landscape capacity for supplying ecosystem services in Taiwan Alishan National Scenic Area. *Journal of Environmental Science and Development*. (Accepted). MOST 106-2401-H-227- 001.

21. Hsu W., Fu J. T., & **Chen, Y.T.\*** (2017). The Relationship between the degree of importance of service dimensions and attributes and the zone of tolerance of hospital patients: An empirical research on the quality of hospital service quality. *International Journal of Innovation in Management*, 5(2), 73-86.
22. **Chen, Y.T.** (2017). An analysis on recycling performance to achieve a zero-emission society. *Polish Journal of Environmental Studies*.(Accepted) Impact factor: 1.383; (本期刊被 SCI 收錄:Q4) *Environmental Sciences*: (217/265)
23. Yang, F. C., Kao, R. H., **Chen, Y. T.**, Ho, Y. F., Cho, C. C., Huang, S. W. (2017). A common weight approach to construct composite indicators: The evaluation of fourteen emerging markets. *Social Indicators Research*, (accepted). Impact factor: 1.874; Social sciences, Interdisciplinary: (30/108) (本期刊被 SSCI 收錄:Q2)
24. **Chen, Y.T.** (2017). The factors affecting electricity consumption and the consumption characteristics in the residential sector – a case example of Taiwan. *Sustainability*, 9(8), 1484-1500. Impact factor: 2.576; Environmental Studies: (53/123) (本期刊被 SCI; SSCI 收錄:Q2)
25. **Chen, Y.T.,\*** Chen, C. C. (2017). The environmental conflicts toward environmental preservation. *International Journal of Agricultural and Environmental Research*, 3(2), 169-176.
26. **Chen, Y.T.** (2016). A cost analysis of food waste composting in Taiwan. *Sustainability*, 8(11), 1210-1222. Impact factor: 2.576; (本期刊被 SCI; SSCI 收錄:Q2) *Environmental Studies*: (53/123)
27. **Chen, Y.T.,\*** Chen, C.C. (2014). The optimal reuse of reclaimed water: A mathematical model analysis. *Water Resources Management*, 28(7), 2035-2048. Impact factor: 2.924, ENGINEERING, CIVIL : (28/134), WATER RESOURCES : (25/94) (本期刊被 SCI 收錄:Q1)
28. **Chen, Y.T.,\*** Chen, C.C. (2014). An analysis on domestic water management performance across regions in Taiwan. *Water Policy*, 16(4), 704-719. Impact factor: 1.093, WATER RESOURCES : (77/94) (本期刊被 SCI 收錄)
29. 歐嘉瑞、沈維雄、**陳依兌\***、蕭志同(2014), 「台灣節能標章認證制度擴散速率與影響因素之研究」, *科技管理學刊*, 19(2), 45-66。(TSSCI)
30. 廖婉君、林鴻儒、**陳依兌\***、鍾睿弘 (2014), 「病人候診與看診時間之研究-以北部某健檢中心為例」, *環境與管理研究*, 15(1), 71-88。

31. Chang, D.S., Kuo, L.C.R., **Chen, Y.T.** (2013). Industrial changes in corporate sustainability performance – An empirical overview using data envelopment analysis. *Journal of Cleaner Production*, 56, 147-155. Impact factor:7.246 , ENGINEERING ENVIRONMENTAL : (19/265) , ENVIRONMENTAL SCIENCES : (18/251) (本期刊被 SCI 收錄 : Q1).
32. Chen, C.C., **Chen, Y.T.**, (2013). Energy recovery or material recovery for MSW treatments? *Resources, Conservation and Recycling*, 74, 37-44. Impact:8.086 , ENGINEERING, ENVIRONMENTAL : (5/53) , ENVIRONMENTAL SCIENCES : (13/265) (本期刊被 SCI 收錄 : Q1)
33. Jou, H.J., Siao, R.Y., Tsai, Y.S., **Chen, Y.T.**, Li, C.Y., Chen, C.C. (2013) .Post-discharge re-hospitalization and in-hospital mortality in Taiwanese women with hip fracture. *Taiwanese Journal of Obstetrics and Gynecology*, 53 , 43-47. Impact factor: 1.513 , OBSTETRICS & GYNECOLOGY : (63/82) (本期刊被 SCI 收錄)
34. **陳依兌**、陳中獎，(2013)，考慮溫室效應下國內能源政策新思維，*環境與管理研究*，13(2)，53-75。
35. **Chen, Y.T.**, Chen, C.C. (2012). The privatization effect of MSW incineration services by using data envelopment analysis. *Waste Management*, 32, 595-602. Impact factor: 5.448 , ENGINEERING, ENVIRONMENTAL : (11/53) , ENVIRONMENTAL SCIENCES : (35/265). (本期刊被 SCI 收錄 : Q1).
36. **Chen, Y.T.\***, Chang, D.S., Chen, C.R., Chen, C.C. (2012). The policy impact on clean technology diffusion. *Clean Technologies and Environmental Policy*, 14, 699-708. Impact factor:2.429 , ENGINEERING, ENVIRONMENTAL : (32/53) , ENVIRONMENTAL SCIENCE : (130/265).(本期刊被 SCI 收錄:Q2). (NSC 100-2410-H-227-001)
37. **陳依兌\***，(2011)，「地方政府的抉擇:經濟發展與環境保護的取捨」，*環境與管理研究*，12(2)，36-51。
38. 陳惠君、**陳依兌**、彭瓊芳、劉介宇，(2011)「臨床研究護士與臨床研究專員之角色與職責：系統性文獻回顧」，*台灣醫學*，15(5)，1-25。
39. **Chen, Y.T.\*** and Chang, D. S. (2010). Diffusion effect and learning effect: an examination on MSW recycling. *Journal of Cleaner Production*, 18, 496-503. Impact factor: 7.246 , ENGINEERING, ENVIRONMENTAL : (19/265) , ENVIRONMENTAL : SCIENCES (18/251). (本期刊被 SCI 收錄 : Q1).
40. **Chen, Y.T.\*** and Chang, D. S., (2010). A pricing strategy in a conservative

park. *Management Research*, 10, 71-92.

41. 陳文典、陳依兌\*、張東生，(2010)，「外資比例對銀行的績效影響研究」，*環境與管理研究*，10(12)，88-101。
42. Chen, D. S., Chen, Y.T.,\* and Chen, W. D. (2009). The exogenous factors affecting the cost efficiency of power generation. *Energy Policy*, 37, 5540-5545. Impact factor:5.042，ECONOMICS：(13/373)，ENVIRONMENTAL SCIENCES：(40/265). (本期刊被 SSCI, SCI 收錄：Q1)
43. 陳文典、陳依兌\*、張東生、林慧芳，(2009). 「在結構改變下 Black-Scholes 與 Hull-White 評價模型之應用 – 以台灣股價指數選擇權為例」，*中華管理學報*，10(1)，93-106。
44. Chen, C. C., and Chen, Y. T. (2008). Income effect or policy result：a test of the Environmental Kuznets Curve. *Journal of Cleaner Production*, 16, 59-65. Impact factor: 7.246，ENGINEERING, ENVIRONMENTAL：(8/53)，ENVIRONMENTAL SCIENCES：(19/265). (本期刊被 SCI 收錄：Q1)
45. 陳文典、陳依兌\* (2005)，「台灣電力產業效率分析研究」，*環境與管理研究*，6(1)，1-30。

#### Conference paper

1. Chen, Y. T., Yu, S. H.\* (2020). Constructing a frontier-based benchmarking network towards performance improvement of municipal solid waste recycling system. Symposium conducted at the meeting of POMS 31th annual.. Minneapolis, U.S.A..
2. Chen, Y. T., Yu, S. H. (2020). Should medical resource be equity distributed? A study from the perspective of efficiency. The 22nd Conference of the International Federation of Operational Research Societies (IFORS 2020)
3. Yang, F. C., Chen, Y. T.\* (2017). “Landscape capacity for supplying ecosystem services in Taiwan Alishan National Scenic Area.” 2018 4<sup>th</sup> International Conference on Environment and Bio-Engineering.
4. Chen, Y. T. (2017). “Policy or income to affect the generation of medical wastes: An application of environmental Kuznets curve.” The International Academy of Science, Technology, Engineering and Management.

5. Hsu, W., Fu, J. T., **Chen, Y. T.\*** (2016). "Relations between importance and zone of tolerance of patient expectation: An empirical research of hospital service quality." International Conference on Innovation and Management.
6. **Chen, Y. T.**(2016). "An analysis on the utilization efficiency of health care service by measuring the technology gap." International Conference on Business Management of Technology.
7. **Chen, Y. T.\*** Yang, F. C. (2014). "Using Meta-Frontier to Analyze the Utilization of Healthcare Resource in Taiwan." 2014 ACE/ ACESSET (Osaka) (2014/10/27~2014/11/02)
8. **Chen, Y. T.\*** Yang, F. C. (2014). "The combination of diffusion model and learning effect model to evaluate the policy impact of Cancer Control Act." *2014 International Conference Industrial Technology , Management and Education Research* (2014/08/21~2014/08/24)
9. Chang, D. S., Yang, F. C., Chen, C. C., **Chen, Y. T.\*** (2013). "The policy impact on the diffusion of Pap smear test." *2013 International Symposium on Business and Management* (2013/04/03~2013/04/05)
10. **陳依兌**、沈維雄、蕭志同(2013)“台灣節能標章認證制度擴散速率與影響因素之研究” ，中國統計學社 102 年社員大會暨統計學術研討會。(註：受邀投稿-口頭報告)
11. **Chen, Y. T.\*** (2011). "The incorporation of learning effect into cost efficiency : A case study in Taiwan Power Company." 第十二屆科技與管理學術研討會 (2011/10/27)
12. **Chen, Y. T.\*** Chang, D. S., Chen, C. Y. (2011). "The policy impact on clean technology diffusion." *IEEE International Technology Management Conference (ITMC)* (2011/06/27~2011/06/30)
13. 陳文典、**陳依兌** (2008). "放寬外資投資比例限制下金控銀行投入要素與效率關係之研究." 政經制度變遷研討會 (2008/06/11)

#### Research Project

1. **陳依兌**，(2024/1/1~2024/12/31) “以機器學習結合資料包絡分析建構長照商業模式” ，新光醫療財團法人新光吳火獅紀念醫院：113D004-3。
2. **陳依兌**，(2023/1/1~2023/1/31) “全球新冠肺炎防疫績效評估” ，財團法人天主教耕莘醫院：112D001-3。

3. 陳依兌，(2023/1/1~2023/1/31)“以機器學習建構長照預測系統與效率評估模型”，新光醫療財團法人新光吳火獅紀念醫院：112D007-4。
4. 陳依兌，(2020/8/1~2021/1/31)“探討機構與居家照護品質與選擇安寧緩和醫療之影響因素”，科技部: MOST 109-2410-H-227-003。
5. 陳依兌，(2019/8/1~2020/1/31)“影響吸菸人口的因素分析: 從總體面與個體面出發”，科技部: MOST 108-2410-H-227-008。
6. 陳依兌，(2018/8/1~2019/7/31)“零污染排放目標下建構擴散績效指標與階層學習資料包絡分析模型”，科技部: MOST 107-2410-H-227 -002。
7. 陳依兌，(2017/8/1~2018/7/31)“醫療資源利用效率分析-兩階段資料包絡分析學習模型的建構與應用”，科技部: MOST 106-2410-H-227 -001。
8. 陳依兌，(2017/05/01~2017/12/15)“106 年「醫院評鑑(含精神科)滿意度調查」委外案”，財團法人醫院評鑑暨醫療品質策進會。
9. 陳依兌，(2017/3/1~2017/12/31)“運用 SERVQUAL 模式探討健檢中心服務品質與改善方案”，新光醫療財團法人新光吳火獅紀念醫院。
10. 陳依兌，(2015/8/1~2016/12/31)“整合供給面與需求面之醫療分級制度研究”，科技部: MOST 104-2410-H-227 -001。
11. 陳依兌，(2015/1/1~2015/12/31)“全民健保民眾就醫權益長期監測系統之研究”，衛生福利部中央健康保險署。
12. 陳依兌，(2014/8/1~2015/7/31)“影響醫療院所經營績效之因素分析:以台北市立聯合醫院為例”，科技部: MOST 103-2410-H-227 -001。
13. 陳依兌，(2013/8/1~2014/7/31)“資源化導向之醫療廢棄物管理模式”，國科會: NSC 102-2410-H-227-004。
14. 陳依兌，(2012/8/1~2013/7/31)“醫療資源使用發展政策:整合總體面、醫療資源分配面與醫療資源供給面的分析模式”，國科會: NSC 101-2410-H-227-002。
15. 陳依兌，(2011/1/1~2011/12/31)“後京都議定書時期影響我國二氧化碳排放的因素分析”，國科會: NSC 100-2410-H-227-001。
16. 沈維雄、蕭志同、陳依兌，(2011/7/1~2011/11/30)“台灣節能標章認證制度擴散速率與影響因素之研究”，工研院: 100214。