# CURRICULUM VITAE


## Panu Looareesuwan

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| Work Address: | Department of Clinical Epidemiology and Biostatistics Faculty of Medicine Ramathibodi Hospital, Mahidol University 270 RAMA VI Road. Rachathevi, Bangkok 10400, Thailand. |
| Position: | Lecturer |
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| Github: | https://github.com/petchpanu/Data-Science-for-Healthcare |


### Academic Qualifications

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| 2001-2008 | Harrow International School, Bangkok, Thailand |
| 2009-2012 | B.Sc. (Life Science), Biomedical Science, University of Warwick, United Kingdom |
| 2013-2016 | M.Sc. (Biomedical and Health Informatics), Mahidol University, Thailand |
| 2018-2022 | Ph.D. (Data Science for Health Care), Mahidol University, Thailand |

### Current & previous positions

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| 2015-2018 | Research Assistant, Thai Health Information Standards (THIS) Development Center, Nonthaburi Thailand |
| 2020-Present | Computer Information Analyst, Clinical Epidemiology and Biostatistics, Ramathibodi Hospital, Bangkok, Thailand |

### Area of interest

Machine Learning, Deep Learning, Artificial Intelligence, Survival Analysis, Natural Language Processing, Computer Vision, Big Data for Healthcare

## Technical Skills

- SPSS
- Python
- Tableau, Power BI
- MySQL

## Publications

1. Teh XR, **Looareesuwan P**, Pattanaprateep O, Pattanateepapon A, Attia J, Thakkinstian A. Predictive ability of visit-to-visit glucose variability on diabetes complications. BMC Med Inform Decis Mak. 2025 Mar 17;25(1):134.
2. Panamonta V, Jerawatana R, Ariyaprayoon P, **Looareesuwan P**, Ongphiphadhanakul B, Sriphrapradang C, Chailurkit L, Ongphiphadhanakul B. Plantar Thermogram Analysis Using Deep Learning for Diabetic Foot Risk Classification. J Diabetes Sci Technol. 2025 Feb 20:19322968251316563.
3. Kongmalai T, Tansawet A, Pattanaprateep O, Ratanatharathorn C, Amornritvanich P, **Looareesuwan P**, Boonwatcharapai B, Khunakorncharatphong A, Nimitphong H, Srinonprasert V, Thakkinstian A. Can SGLT-2 inhibitors improve cardiovascular outcomes and ensure safety for patients with type 2 diabetes and heart failure in Thailand? A real-world multicentre retrospective cohort study. BMJ Open. 2024 Dec 12;14(12):e090226.
4. Wiwatthanasetthakarn P, Ponthongmak W, **Looareesuwan P**, Tansawet A, Numthavaj P, McKay GJ, Attia J, Thakkinstian A. Development and Validation of a Literature Screening Tool: Few-Shot Learning Approach in Systematic Reviews. J Med Internet Res. 2024 Dec 11;26:e56863.
5. Noparatayaporn P, Thavorncharoensap M, Chaikledkaew U, **Looareesuwan P**, Shantavasinkul PC, Sumritpradit P, Thakkinstian A. Cost-utility and budget impact analysis of laparoscopic bariatric surgery for obesity with Type II Diabetes Mellitus in Thailand. PLoS One. 2024 Dec 10;19(12):e0315336.
6. Siriyotha S, Anothaisintawee T, **Looareesuwan P**, Nimitphong H, McKay GJ, Attia J, Thakkinstian A. Effectiveness of glucagon-like peptide-1 receptor agonists for reduction of

body mass index and blood glucose control in patients with type 2 diabetes mellitus and obesity: A retrospective cohort study and difference-in- difference analysis. BMJ Open. 2024 Nov 24;14(11):e086424.

7. Tansawet A, **Looareesuwan P**, Teza H, Boongird S, McKay GJ, Attia J, Pattanaprateep O, Thakkinstian A. Effects of sodium-glucose cotransporter-2 inhibitors on chronic kidney disease progression: a multi-state survival model. Diabetol Metab Syndr. 2024 Nov 23;16(1):281.
8. Aramruang T, Malhotra A, Numthavaj P, **Looareesuwan P**, Anothaisintawee T, Dejthevaporn C, Sirirutbunkajorn N, Attia J, Thakkinstian A. Prediction models for identifying medication overuse or medication overuse headache in migraine patients: a systematic review. J Headache Pain. 2024 Oct 4;25(1):165.
9. Siriyotha S, Lukkunaprasit T, **Looareesuwan P**, Kunakorntham P, Anothaisintawee T, Nimitphong H, McKay GJ, Attia J, Thakkinstian A. Individual treatment effects of sodium-glucose co-transporter-2 inhibitors on the risk of chronic kidney disease in patients with type 2 diabetes: A counterfactual prediction model based on real-world data. Diabetes Obes Metab. 2024 Jul 22.
10. Siriyotha S, Lukkunaprasit T, Angkananard T, **Looareesuwan P**, McKay GJ, Attia J, Thakkinstian A. Clinical effectiveness of second-line antihyperglycemic drugs on major adverse cardiovascular events: An emulation of a target trial. Front Endocrinol (Lausanne). 2023 Jan 30;14:1094221.
11. Siriyotha S, Lukkunaprasit T, **Looareesuwan P**, Nimitphong H, McKay GJ, Attia J, Thakkinstian A. Effects of second-line antihyperglycemic drugs on the risk of chronic kidney disease: applying a target trial approach to a hospital-based cohort of Thai patients with type 2 diabetes. Cardiovasc Diabetol. 2022 Nov 17;21(1):248.
12. Pontongmak W, Kijsanayotin B, Win Min Thit, **Looareesuwan P** Mapping Thai local laboratory codes with LOINC : the preliminary report; Journal of the Thai Medical Informatics Association, 1, 44-50;
13. **Looareesuwan**, Panu, Suparee Boonmanunt, Sukanya Siriyotha, Thitiya Lukkunaprasit, Ratchainant Thammasudjarit, Oraluck Pattanaprateep, Hataikarn Nimitphong, et al.

"Retinopathy Prediction in Type 2 Diabetes: Time-Varying Cox Proportional Hazards and Machine Learning Models." Informatics in Medicine Unlocked 40 (January 1, 2023): 101285.

## Academic Books

- Kijsanayotin B, Pontongmak W, **Looareesuwan P**, Win Min Thit eHealth in Thailand: Interoperability and Health Information Standards: Nonthaburi, Health System Research Institute: 2016 [1]
- Health Administration and Health Informatics System unit 8-15, Sukhothai Thammathirat Open University (2018)

[1] Looareesuwan et al., "Retinopathy Prediction in Type 2 Diabetes: Time-Varying Cox Proportional Hazards and Machine Learning Models."