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| Folder name | Description |
| Sequence-database | Database method for sequence anomaly  Conference: MECON [3]  Journal: [5] |
| Sequence-hmm | LSTM method with segmentation for sequence anomaly  Conference: ITNEC [2]  Journal: - |
| Sequence-lstm | HMM method with segmentation for sequence anomaly  Conference: ITNEC [2]  Journal: - |
| Sequence-lstm-whole | LSTM method without segmentation for sequence anomaly  (Poor accuracy, no paper, to compare with database method and LSTM method in thesis) |
| Time-database | Database method for time anomaly  Conference: ICEECC [1]  Journal: [4] |
| Time-kmeans\_prob | Combinational method of K-means and Gaussian distribution for time anomaly  (Past work, to compare with database method in thesis) |
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Conference Paper Presentation:

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| [1] | Poh, S. C., Tan, Y.F., Cheong, S. N., Ooi, C. P., & Tan, W. H. (2018, November). Anomaly detection for elderly in-home activity monitoring. In *The 3rd International Conference on Electrical, Electronic, Communication and Control Engineering.* Johor Bahru, Malaysia. |
| [2] | Poh, S. C., Tan, Y.F., Guo, X., Cheong, S. N., Ooi, C. P., & Tan, W. H. (2019, March). LSTM and HMM comparison for home activity anomaly detection. In *2019 IEEE 3rd Information Technology, Networking, Electronic and Automation Control*. Chengdu, China. |
| [3] | Poh, S. C., Tan, Y.F., Cheong, S. N., Ooi, C. P., & Tan, W. H. (2019, March). Anomaly detection for home activity based on sequence pattern. In *2019 International Conference on Advanced Science, Engineering and Technology*. Selangor, Malaysia. |

Journal:

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| [4] | Poh, S. C., Tan, Y.F., Cheong, S. N., Ooi, C. P., & Tan, W. H. (2019, August). Anomaly detection on in-home activities data based on time interval. *Indonesian Journal of Electrical Engineering and Computer Science vol 15, No 2*, (pp. 778-785). |
| [5] | Poh, S. C., Tan, Y. F., Cheong, S. N., Ooi, C. P., & Tan, W. H. (2020, February). Anomaly detection for home activity based on sequence pattern. *International Journal of Technology vol 10, No 7,* (pp. 1276-1285) |