# 進捗報告

### 原田 圭

# 平成 29 年 12 月 8 日

#### 進捗内容 1

# 1.1 Survey

- 2017.05.10 [1]
- 2017.05.18 [2]
- 2017.05.25 [3]
- 2017.06.01 [4]
- 2017.06.08 [5]
- 2017.06.14 [6].
- 2017.08.20 [7].
- 2017.09.10 [8].
- 2017.10.01 [9].
- 2017.10.15 [10].
- 2017.10.15 [11].

## 参考文献

- [1] Chao Zhang, Yu Zheng, Xiuli Ma, and Jiawei Han. Assembler: efficient discovery of spatial co-evolving patterns in massive geo-sensory data. In *Proceedings* of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, pp. 1415– 1424. ACM, 2015.
- [2] Yun Cheng, Xiucheng Li, and Yan Li. Finding dynamic co-evolving zones in spatial-temporal time series data. In *Joint European Conference on Machine Learning and Knowledge Discovery in Databases*, pp. 129–144. Springer, 2016.
- [3] Krzysztof Koperski, Junas Adhikary, and Jiawei Han. Spatial data mining: progress and challenges survey paper. In Proc. ACM SIGMOD Workshop on Research Issues on Data Mining and Knowledge Discovery, Montreal, Canada, pp. 1–10, 1996.
- [4] John F Roddick and Myra Spiliopoulou. A bibliography of temporal, spatial and spatio-temporal data mining research. ACM SIGKDD Explorations Newsletter, Vol. 1, No. 1, pp. 34–38, 1999.
- [5] K Venkateswara Rao, A Govardhan, and KV Chalapati Rao. Spatiotemporal data mining: Issues, tasks and applications. *International Journal of Computer Science and Engineering Survey*, Vol. 3, No. 1, p. 39, 2012.
- [6] Shashi Shekhar, Zhe Jiang, Reem Y Ali, Emre Eftelioglu, Xun Tang, Venkata Gunturi, and Xun Zhou. Spatiotemporal data mining: A computational perspective. *ISPRS International Journal of Geo-Information*, Vol. 4, No. 4, pp. 2306–2338, 2015.
- [7] Ingrid Daubechies. The wavelet transform, time-frequency localization and signal analysis. *IEEE transactions on information theory*, Vol. 36, No. 5, pp. 961–1005, 1990.
- [8] Eamonn Keogh, Selina Chu, David Hart, and Michael Pazzani. An online algorithm for segmenting time series. In *Data Mining*, 2001. ICDM 2001, Proceedings IEEE International Conference on, pp. 289–296. IEEE, 2001.
- [9] Chao Zhang, Jiawei Han, Lidan Shou, Jiajun Lu, and Thomas La Porta. Splitter: Mining fine-grained sequential patterns in semantic trajectories. *Proceed*ings of the VLDB Endowment, Vol. 7, No. 9, pp. 769–780, 2014.

- [10] Yasuko Matsubara, Yasushi Sakurai, and Christos Faloutsos. Autoplait: Automatic mining of coevolving time sequences. In Proceedings of the 2014 ACM SIGMOD international conference on Management of data, pp. 193–204. ACM, 2014.
- [11] Yasuko Matsubara, Yasushi Sakurai, Willem G Van Panhuis, and Christos Faloutsos. Funnel: automatic mining of spatially coevolving epidemics. In Proceedings of the 20th ACM SIGKDD international conference on Knowledge discovery and data mining, pp. 105–114. ACM, 2014.