

An Interactive Visual Application for Exploring GASTech Employees Movement Data and Aliba, Kronos Events

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ABSTRACT

Building interactive web application using Shiny for R programming language.

It consists of two paragraphs.

1. INTRODUCTION

GASTech provides many of their employees with company cars for personal and professional use, but unbeknownst to the employees, the cars are equipped with GPS tracking devices. Beside that, to promote local business, GASTech also provides Kronos-Kares loyalty card in exchange for collecting information about their employee's credit card transactions and preferences recorded on loyalty cards. With the disappearance of GASTech employees in January 2014, GASTech released a tracking data of 2 weeks leading up to the disappearance, as well as the credit card transaction and loyalty card usage data. These datasets can be used for tracking employee movement pattern through space and time and are likely to contain patterns which provides useful information about the characteristics of the employee daily journey. The analysis results will provide a great insights on employee movement and spending behaviors around Aliba, Kronos across a 2 week period and the insights gained can potentially contributed to local law enforcement to identify anomalies or suspicious pattern of behaviors.

2. MOTIVATION

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3. REVIEW AND CRITICS

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4. DESIGN FRAMEWORK

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5. USE CASES

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6. DISCUSSION

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7. FUTURE WORK

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References

- [1] Fenner, M. 2012. One-click science marketing. Nature Materials. 11, 4 (Mar. 2012), 261–263.
- [2] Meier, R. 2012. Professional Android 4 Application Development. John Wiley & Sons, Inc.