Introduction

- We present a visual analytics tool, **Spectrum**, to analyze the movement and communication log data from VAST Challenge 2015.
- **Spectrum** is able to:
  - Provides an intuitive overview of the log data
  - Discover movement patterns from a large number of log records.

Movement View

- **Movement View** provides an intuitive overview of the movement and communication logs.
- It supports: Movement Replay, Interactive Visual Analysis and Dynamic Communication Links.

**Spectrum View**

- **Spectrum View** gives an overview of all visitors’ activities in a timeline. In the timeline, visitors accessed a sequence of locations and stayed varying durations in these locations.

Preliminary Findings

- We found **Scott Jones** appeared at Location 63 (Grinosaurs Stage) for five times in the three-day weekend.
- Scott spent around two hours per stay at this location and was not interested in other locations.
- Scott and his eight staffs always followed the same routes in the park. But his second show on Sunday was canceled.
- We also found there were eight selected visitors in (b) separated into three subgroups (c) after they entered into the park. These eight visitors were probably friends with different preferences for the park facilities.


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