Assisted Journey Recollections from Photo Streams

Tyng-Ruey Chuang, Jheng-Peng Huang, Hsin-Huei Lee Kae-An Liu, Huang-Sin Syu





Institute of Information Science, Academia Sinica, Taiwan

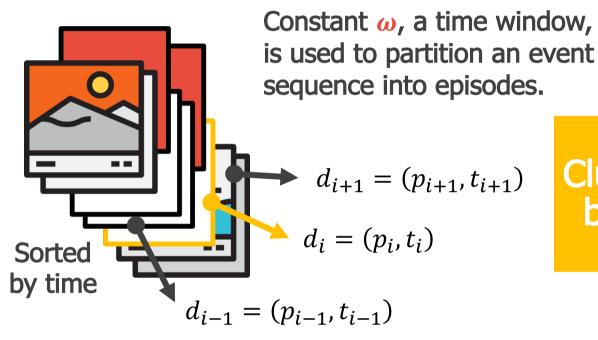
Abstract

When properly categorized and visualized, travel photos and their movement patterns help people in navigating the itineraries of their past, and in retreating images of possible highlights. Our analysis and visualization method is tolerant of erroneous and missing positional information in the photos' metadata.

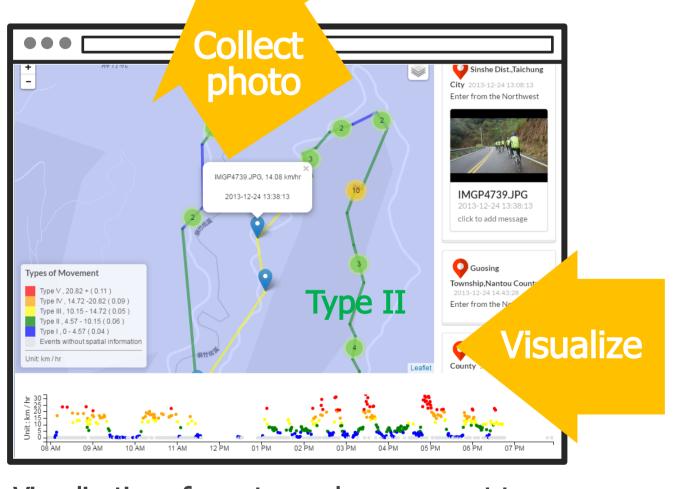
Type II

Speed (km/hr)

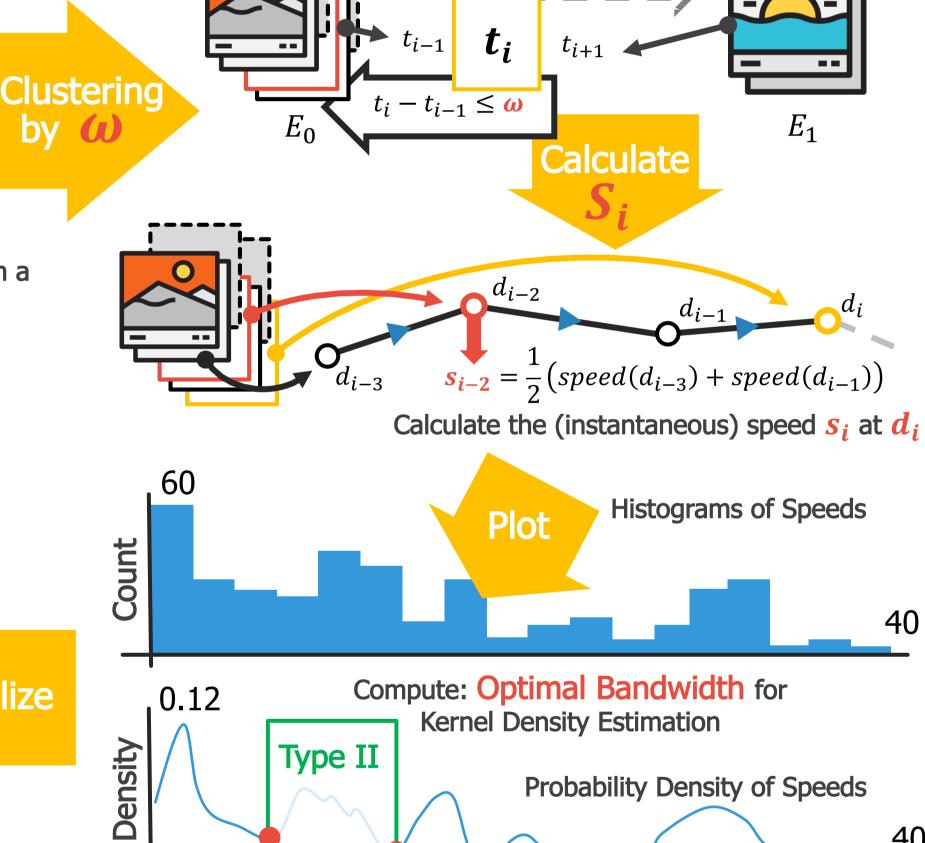
Methodology



Each day has many events d_{i} , each extracted from a photo's metadata with position p_i and time t_i .



Visualization of event speeds, movement types and directions from a day's photos on web



Discussion

It's hard to remember every details about travel photos you've taken so we propose another way to organize your photo streams. We extracted GPS traces from photo streams, and analyzed them day-by-day to reveal movement patterns. Finally, the way we visualize the information helps users to have an overview of the movements in the day, and to look out for interesting movements and locations effectively.

Demo Page

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Probability Density of Speeds

Contact Us

Tyng-Ruey Chuang, trc@iis.sinica.edu.tw Huang-Sin Syu, gipong@iis.sinica.edu.tw