

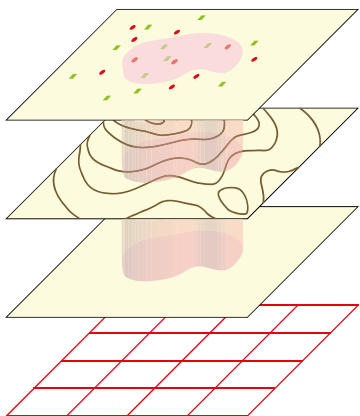
# Time Information System on the Web

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## Analysis of spatial (GIS) and temporal information

### Search in spatial ranges

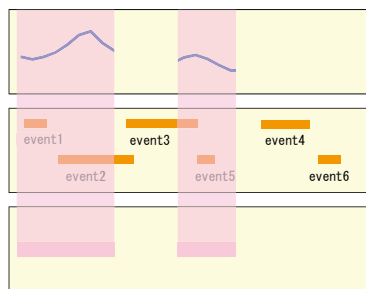
(the spatial ranges satisfying the condition XX)



GIS

### Search in temporal ranges

(the temporal range satisfying the condition XX)

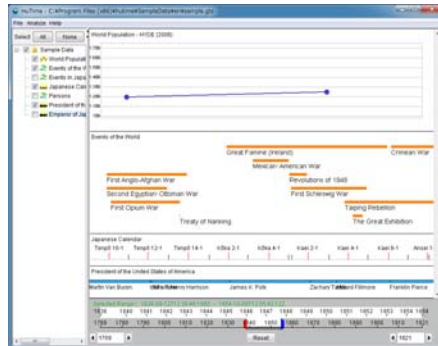


Line Chart

Chronological Table

Temporal Information Analysis

Overview: Time Information System - HuTime



There are two versions of HuTime.

**Desktop HuTime**  
(Stand Alone Version)  
for visualization and analysis

**Web HuTime**  
(embedded in a webpage)  
only for visualization

(Sample Data)

<http://www.hutime.org/sample/web/>



www.hutime.org

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Web HuTime



<http://www.hutime.org/sample/web/>

www.hutime.org

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## Usage of Web HuTime as an interface for databases



Database of records about small pox and vaccination.

Retrieval results are displayed on the temporal axis.

Users can compare life events displayed on a life path.

[DEMO](#)

## Feature of Web HuTime

- Web HuTime can be embedded into web pages
- Web HuTime can display timeline and charts on the same temporal axis
- Data on the web are available on Web HuTime
- Web HuTime can be used as an interface of databases

Current Issues

**Important Issues**

**Web API**

- Customization and creation of HuTime's function through API
- Improvement of display (vertical time line, image and video data)

**Cooperation with data on the web**

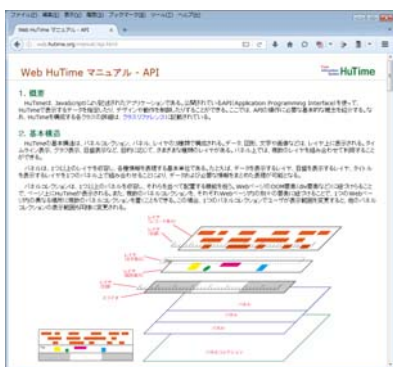
- Calendar scale display cooperation with calendar database
- Cooperation with Linked Data mechanism

[demo](#)

**Other Issues**

- User interface for tablet client.
- Available data structure (csv, tsv, kml, ...)
- Application of Web HuTime to data other than temporal information (Distances, Scroll Documents and Working Procedure)

Manual of Web HuTime API



Outline: Structure and basic operation



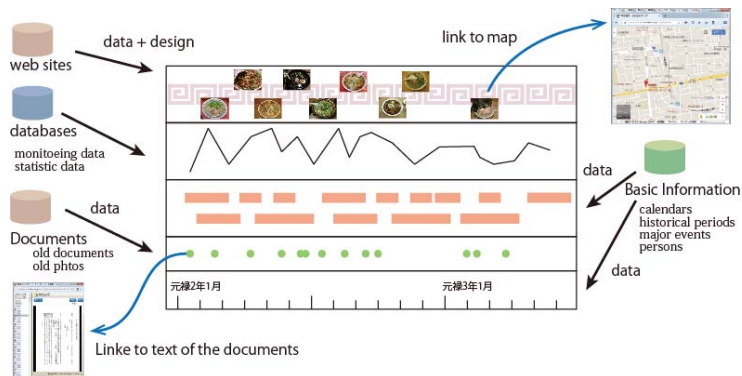
Class reference manual

English version will be created near future.

## Final Goal of Web HuTime

### Integration of temporal information onto Web HuTime

- As a tool for viewing and analyzing temporal information (easy tool for publishing temporal information)
- As a hub for linking various kinds of data on the web, according to time (Google Maps has the same role about location)



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Thank you for your attention

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