Creative Convergence Mapping Tool

System Requirement:

- Internet browser (Google Chrome/Opera) on Windows or MacOS.
- Internet connection.

Purpose & Contents:

The purpose of this mapping tool is to visualise data of performing arts companies in Victoria. In detail, the companies are the partners of the Creative Convergence project. These data then integrated with socio-economic data from AURIN and ABS.

Currently, the mapping tool only has two main functions which are the “Map View” and “Table View” as shown in Figure 1. and Figure 2.

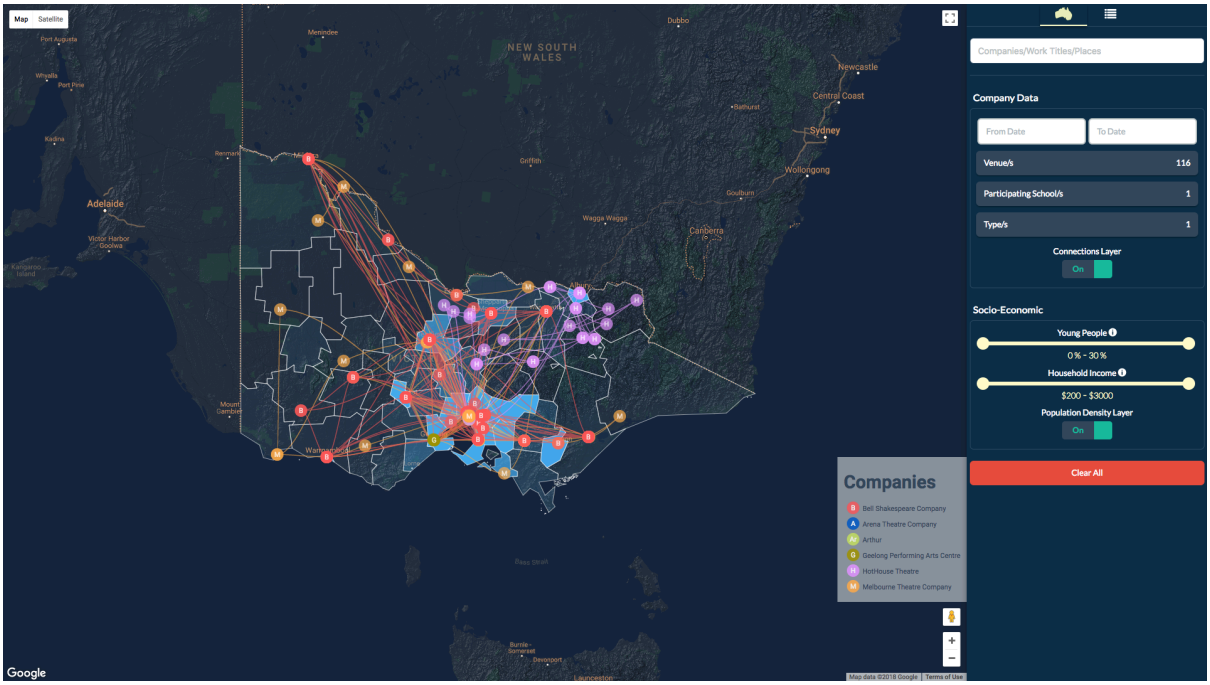


Figure 1. Map View

The “Map View” contains a map with three main layers. The first layer is the population density layer that conveys population density of a particular Local Government Area (LGA). The second layer is the connections line layer that shows connections of tours of a particular company. The third layer is the event marker layer, which represent an event in a particular company at a particular venue based on AusStage or partner companies’ data.

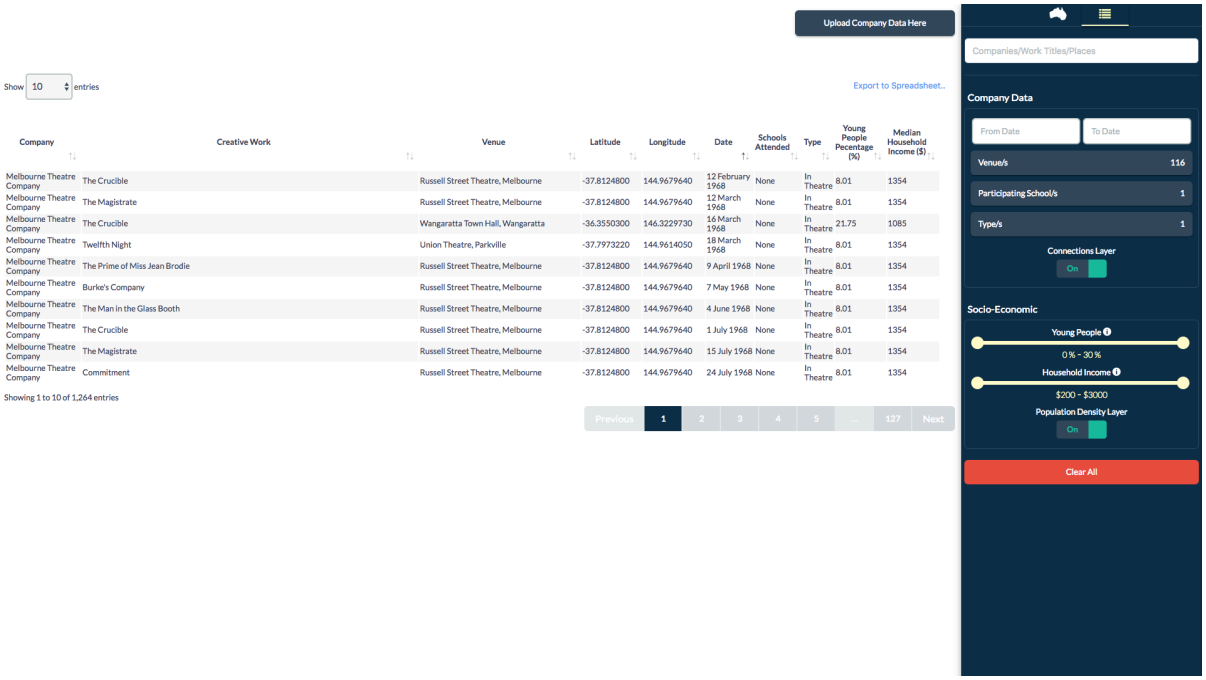
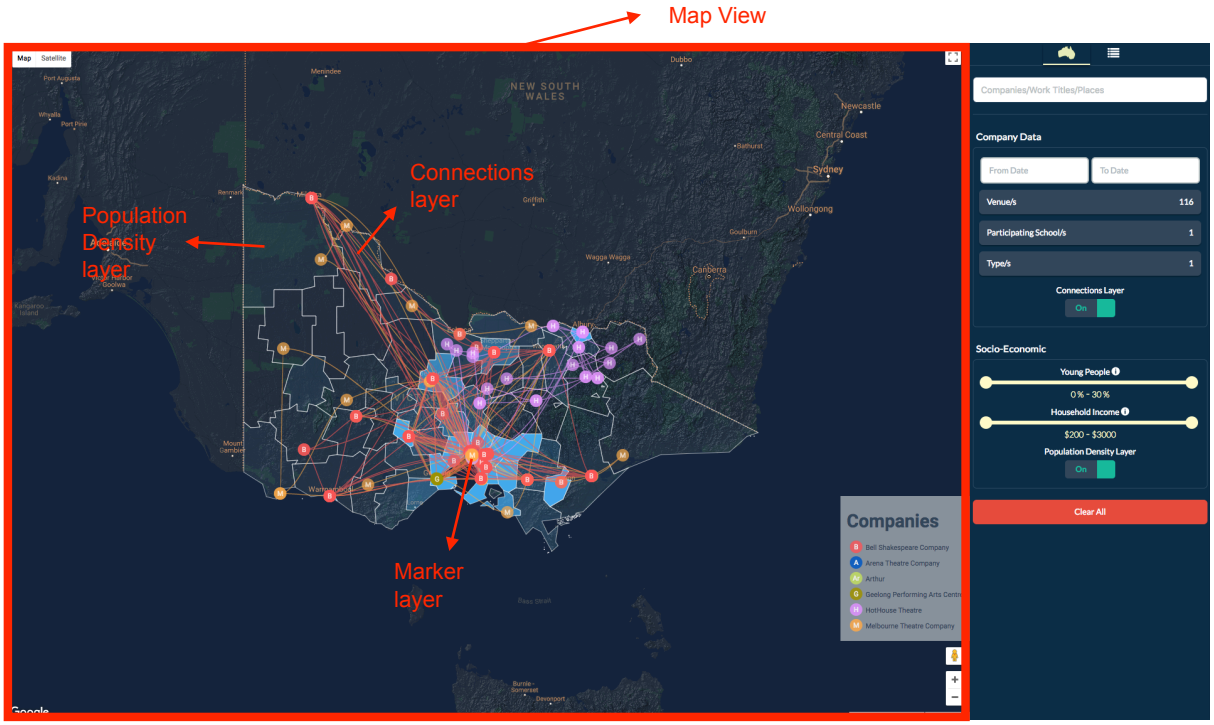


Figure 2. Table View

The “Table View” contains the data that has been collected from AusStage or the partner companies. This table enable user to export current filtered data state. Also, upload the company data to the table.

Components:



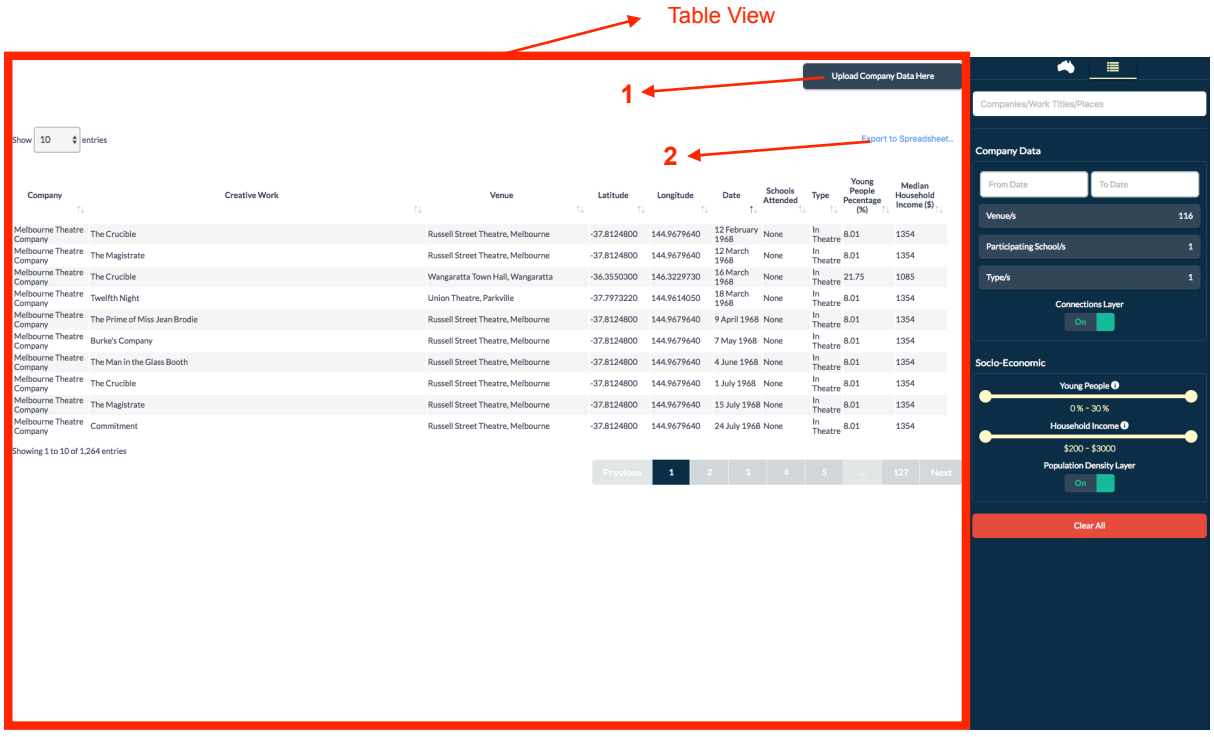
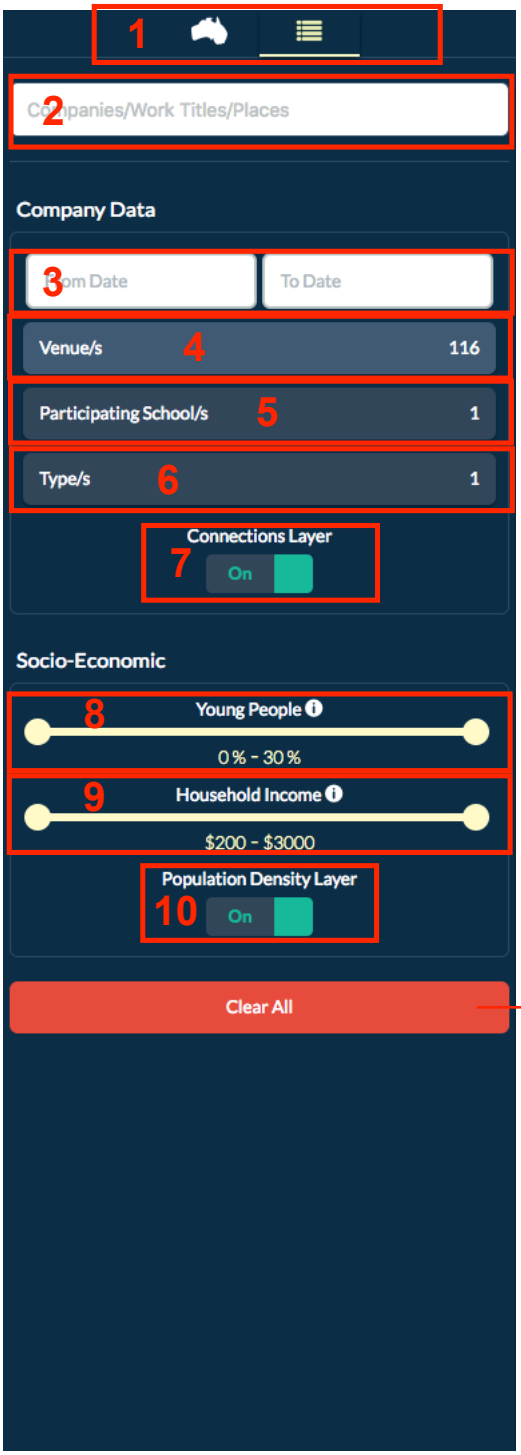


Table View Components:

1. Upload button: To upload companies' data
2. Export button: To export the whole data or filtered data.



Filter Pane Components:

1. Main Pane Selector: To select Map View or Table View.
2. Main Search Field: Filter the data based on combination of companies, work titles/event, and places.
3. Date Selector: To choose the minimum and maximum event's date.
4. Venue Selector: To select venue(s) based on filtered companies, titles, or places.
5. Participating School Selector: To select school(s) based on filtered companies, titles, or places.
6. Type Selector: To select event's type(s) based on filtered companies, titles, or places.
7. Connections Toggle: Hide/show the Connections layer.
8. Proportion of young people: To select range of young people in a particular area.
9. Household Income: To select range of median weekly income.
10. Population Density Toggle: Hide/show the Population Density layer.

Reset all filter and reinitialise all Views

Usage Instruction:

1. Open folder CC-Mapping-Tool
2. Open the file “index.html” via internet browser (Google Chrome/Opera)
3. As an initial task, the mapping tool will try to fetch data from AusStage and ABS. If this succeed, the data will be stored in the browser. Thus, if the mapping tool is opened in the same browser, it will not fetch data from AusStage and ABS again. As such, if the user uses another browser or computer, it will perform the initial task again.
4. After the initial data were loaded into the Map View and Table View, user can filter the data by the filter pane.
5. However, if user want to use company data*, please switch to Table View and click “Upload Company Data” here.
6. Currently the system does not support auto merge between AusStage and Company Data. Thus, the merge only can be done manually by following steps:
    a. Download the AusStage data using the “Export to Spreadsheet..” button
    b. Process the AusStage file and Company data using data processing tool such as Microsoft Excel or Google Spreadsheet.
7. If it is not necessary to use the AusStage data, then upload the Company Data by the “Upload Company Data” button. The system will automatically collect data from Google Maps to find coordinates of each venue in the company data**. The coordinates will be saved again in the browser. Thus, for the second upload, the system only lookup for unsaved venue’s coordinate.
8. The system will automatically refresh all the data and views by using the uploaded data.

*) Make sure change the headers to this format:

- **company**: Name of the company
- **creative_work**: Title of the creative work
- **venue**: Name of the venue
- **suburb**
- **date**: Date of the event
- **time**: Time of the event
- **school**: School(s) that attended the event
- **student_attended**: Number of student/young people who attended the event
- **type**: Type of the event
- **avg_ticket_cost**: Average/ticket per person of the event
- **other**

After that, save the file in “**.csv**” format.

**) Sometimes the system will fail to fetch coordinate of a venue because of these reasons:

- Google did not recognise the venue.
  Solution:
  - Try to find the venue using this link http://maps.google.com/maps/api/geocode/json?address=[VENUE NAME], [SUBURB]
  - If there is no result, please make sure the combination of the VENUE NAME and SUBURB is correct.
- Google reject too many coordinate requests.

This sometimes happen because Google limits free coordinate request in random number in a second and maximum 1500 requests per day.
Solution:

- Try upload the file again until all data collected.