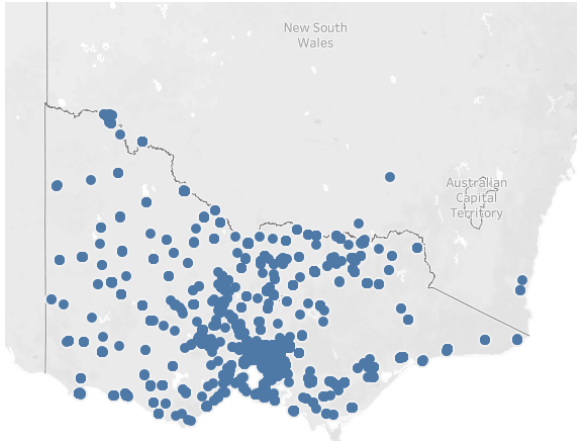


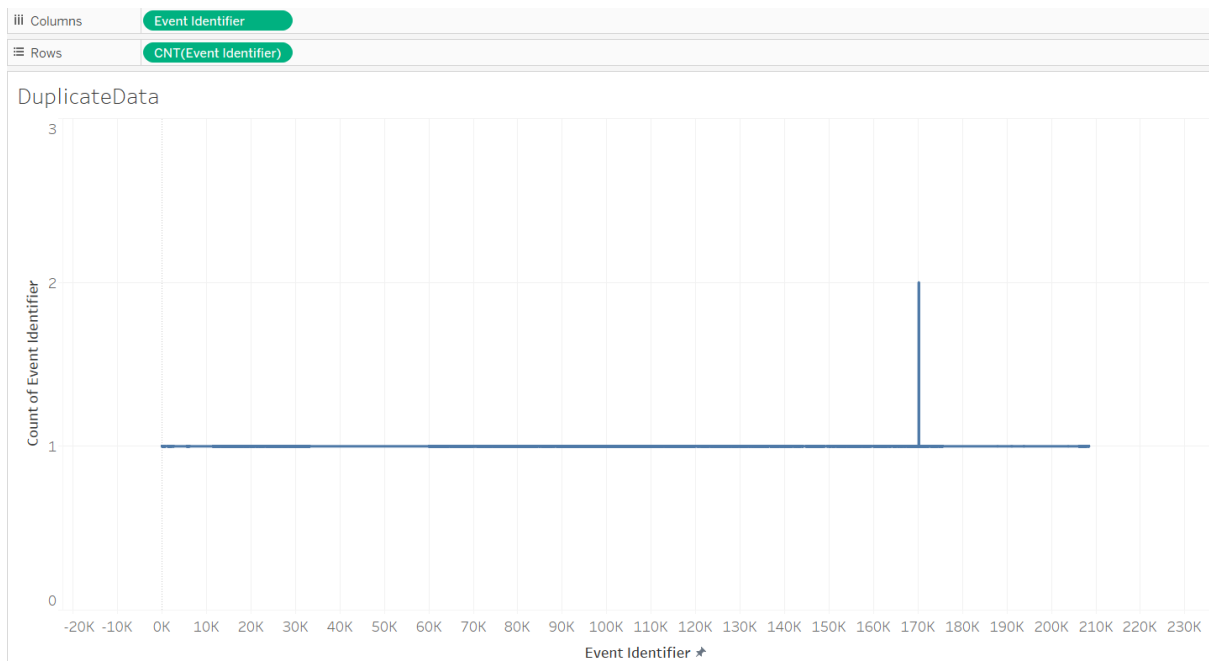
1. Data loading, checking and cleaning

The data is supposed to be of events in the state of Victoria, but some of the data is not in Victoria, as seen when plotting the latitude and longitude coordinates of the data. Remove them as they are irrelevant to us.



Not shown is some data appearing in the UK.

Some events are duplicated, as seen when plotting the number of event identifiers against the event identifiers. Remove duplicates, as they are clearly errors.

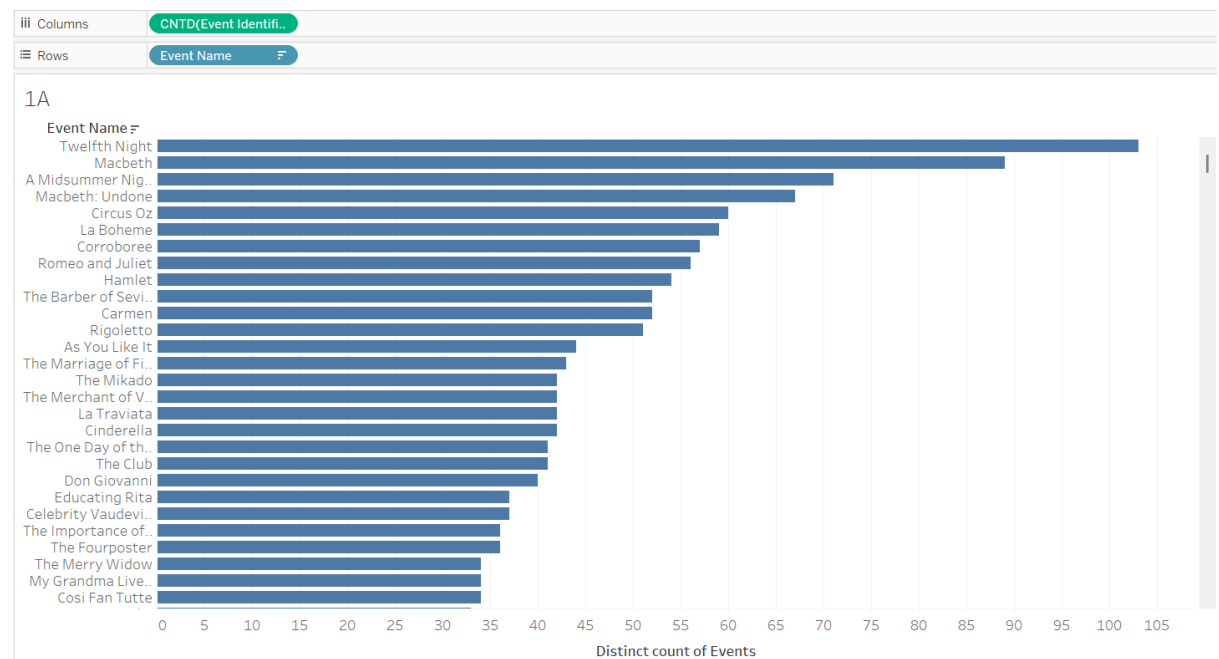


“First date” was in a string format and had to be converted to date format.

The above screenshots were taken before data cleaning. The rest of the screenshots in the report below were taken after data cleaning. All the visualizations in this report are based on a dataset provided by AusStage. (n.d.). Retrieved February 27, 2025, from <http://www.ausstage.edu.au>

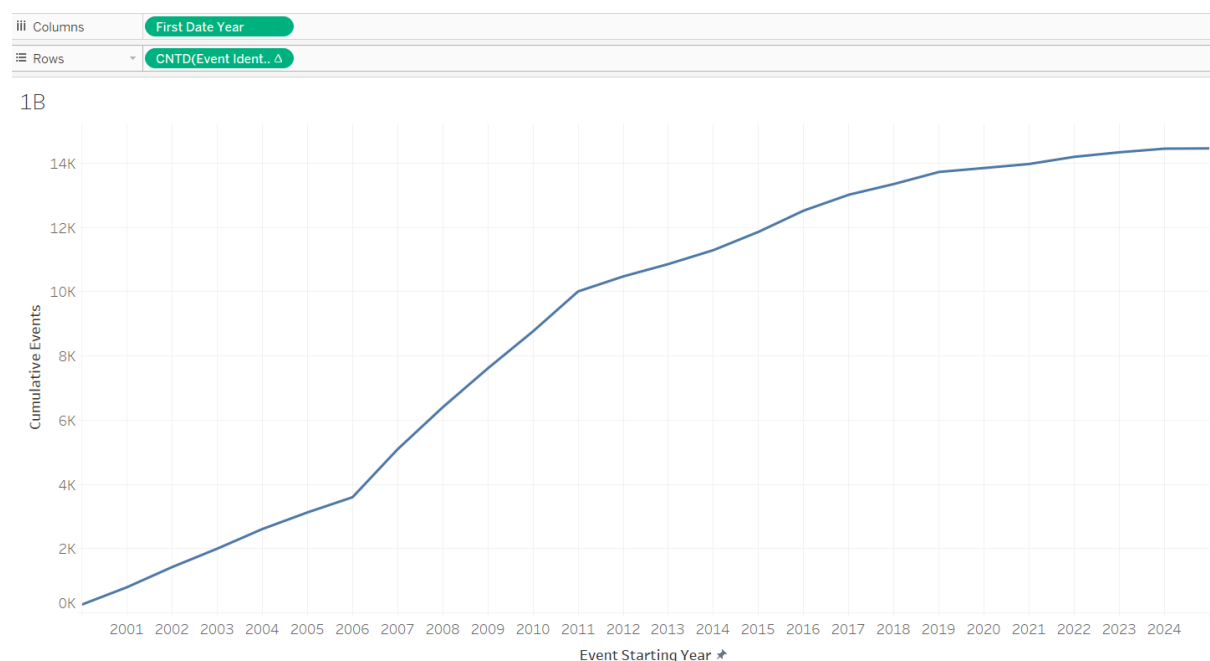
2. Data Exploration and Presentation

A. What are the most common event names?



The most common event names can be visualized by plotting the event names against the number of events, identified by their event ID.

B. How many events started each year over the last 25 years?



The number of events started each year can be identified by plotting the cumulative number of events, identified by their event ID, against the year they first started. This is then filtered to only include data since the year 2000.

C. How many events were run or performed by each organisation?

Pages

Filters

Marks

iii Columns

Rows

Organisations

1C

Organisations

Automatic

Color

Size

Text

Detail

Tooltip

CNT(Organisat..)

Organisations	
La Mama (VIC)	1,101
Melbourne International Comedy Festival	942
J C Williamson Limited (1910-1979)	362
Bell Shakespeare Company	299
Melbourne Theatre Company, Australia Council for the Arts, The Victorian Ministry for the Arts, The University of Melbourne	260
Melbourne Theatre Company	210
Australian Performing Group	208
The Butterfly Club	199
Melbourne Theatre Company, Arts Victoria, Australia Council for the Arts, The University of Melbourne	188
HIT Productions	186
Playbox Theatre Company	162
Rusden State College	160
The Australian Opera	146
Melbourne Fringe Festival	143
J C Williamson Theatres Limited (1943-1976)	135
Australian Broadcasting Commission, Melbourne	124
Victoria College Rusden Campus Drama	123
The Arts Centre, Short and Sweet	117
Arena Theatre Company	112
Red Stitch Actors Theatre	106
Malthouse Theatre	95
Melbourne Little Theatre Company	93
Midsumma Festival	89
Token Events, Melbourne International Comedy Festival	89
Victoria State Opera	86
Deakin University, Drama Rusden Campus	85

The number of events per organisation can be measured by plotting the number of times each organisation shows up in the data. This data is filtered to remove null values and then ordered to show the organisations with the most events run first.

D. How many organisations started events each year over the last 25 years?

Pages

ColumnsFirst Date Year

RowsOrganisationsF

Filters

First Date Year

OrganisationsF

Marks

Automatic

Color

Size

Label

Detail

Tooltip

CNT(Organisat...

1D

OrganisationsF

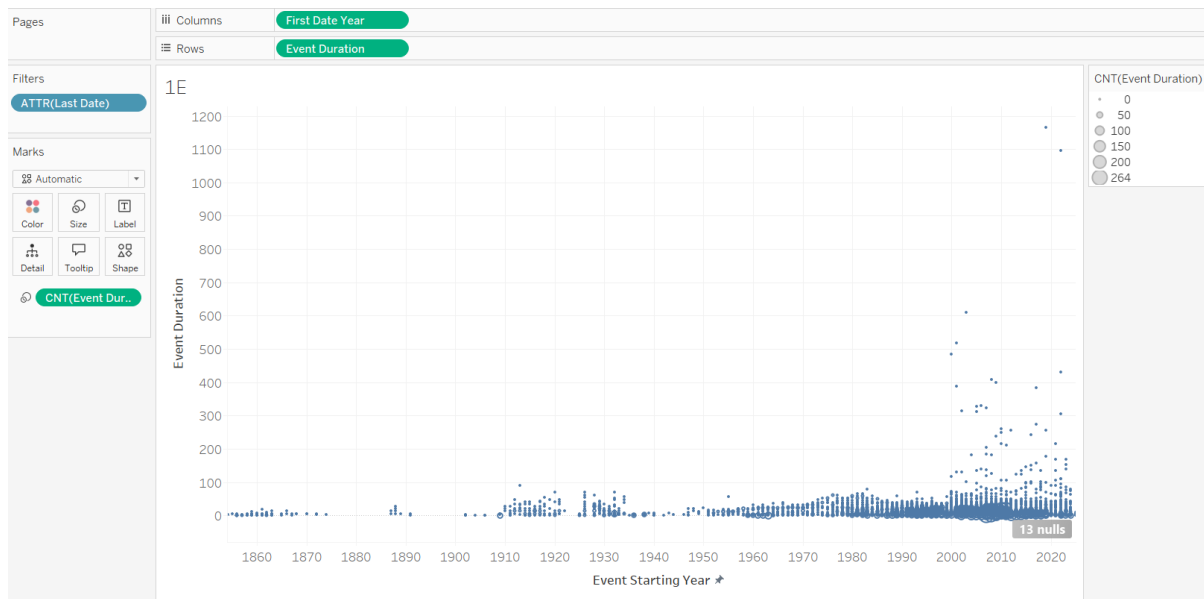
Melbourne Internat...	16	25	18	23	29		90	105	127	142	163	2	1	2		1	1										
La Mama (VIC)	35	1	1	4	1	13		13	10		10	1	42	44	3		22		20	53		23	42	24	1	4	2
Bell Shakespeare C...																											
The Butterfly Club										114											1						
HIT Productions	1	14	31	4	37	10	8	18	1		12	31			12	2	1		17	16	13	9	6	8	7	2	
Melbourne Theatre...																											
Melbourne Fringe ...	15	7	7	9				35	25		2	3		14	10	2		1		17	16	13	9	6	8	7	2
The Arts Centre, S...							33				8	8	7	4	3	1	3		2	4	9			1	1		
Red Stitch Actors T...			10	9	7	7																					
Malthouse Theatre						8	11	4																			
Melbourne Theatre.	7	7	2	10	9	9						10						10				4	1			2	
Token Events, Mel...								12	15		15																
Essential Theatre			1									8															
HotHouse Theatre	3	11	3		4	7	2	4		7							5	6	6	8	11	1	9	9		2	
Midsumma Festival				1							16		10	18													
Deakin University, ...					2	1	1	4			5																
Chapel off Chapel	3	6	10	11					9		1	1		14	16	10		8									
Short and Sweet, T...						46	13	3																			
Arena Theatre Com...										1																	
Christine Dunstan ..												2															
Regional Arts Vict...										10																	
Short and Sweet, C...																											
Dancehouse OzAct	1	2	6	1				2	2	2	4	14		10													
Style Music Theatre					2	2																					
Eagles Nest Theatre							1	6	10	17	3		16														
A-List Entertainme...			1	1	4								6														
The National Theat...	1	2				3	5	2	7	2		1	2	4													

200120022003200420052006200720082009201020112012201320142015201620172018201920202021202220232024

Event Starting Year

As in C, the data is then plotted against the year the events started and filtered to only show data from the year 2000 onwards to show the number of events per organisation per year. The data is sorted according to most events since the year 2000 first.

E. How long did each event run for?



Event Duration

AusStage_S12025PE1



```
Date], IFNULL([Last Date], {FIXED : MAX([Last Date])}))
```

The calculation is valid.

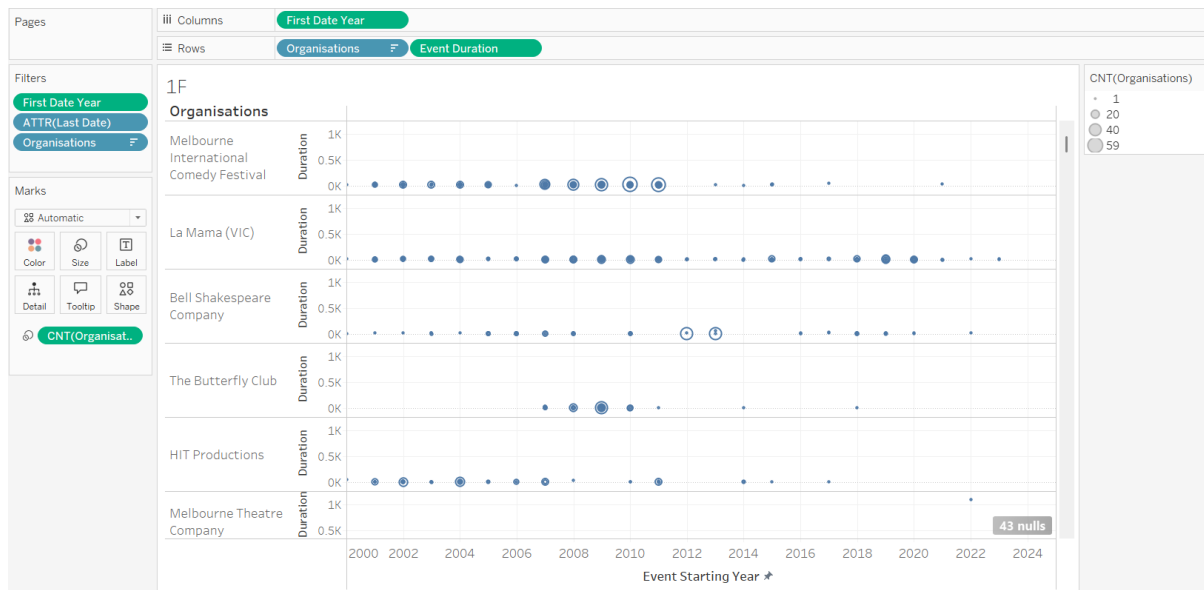
2 Dependencies ▾

Apply

OK

The event duration is computed by subtracting the event start date from the event end date. The event duration is then plotted against the event starting year, and filtered to remove null end dates, to prevent them from skewing the data. Clusters of high event density are shown as larger for visual clarity.

F. Based on the visualisations and findings for A-E, is it possible for you to now explain who (i.e., Organisation) ran or performed what events over the last 25 years?



Yes, question D shows which organisations started the events over the last 25 years. To also show how long the events organized by each organisation each year were, the duration can be added as an additional parameter as shown above.

References

AusStage. (n.d.). AusStage. Retrieved February 27, 2025, from <http://www.ausstage.edu.au>