# DESIGN STUDIO 4

Excellent

100%

**Grp No: 2**

Jaradat, A. Kareem

Kainth, Aasminpreet Singh

Vashista, Akash Deep

Topic: Presentation and Interaction Design

You are given an InfoSpace. This space contains a large set of different types of historical events. These events take place across a long stretch of time. These events cannot be all visualized in one singular display. Devise an interactive presentation technique that allows users: 1) to examine co-occurring events within the same view span (i.e., in parallel); 2) to view the surrounding context of any given event; 3) to interactively control and change the temporal dimension of the data in order to display the types of events that co-occur within a span of time; 4) to change an event's representation and view a different representation of the event on demand; and 5) to employ magic lenses that have adjustable parameters for examining different interior features of events. All the above requirements should happen in one display, without the need for users to switch from one screen to another and without visual discontinuity. You need to justify your design choices.

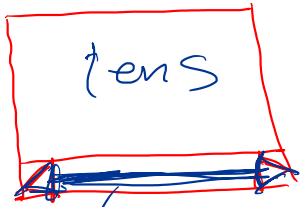
types of historical events are categories

Best solution for this is the 3D perspective Wall (see slide below)

Y-axis is the different types/categories of events. X-axis is time

#4 is done using Semantic Zooming (see slide #31 of lec #16)

#5 uses some sort of magic lens

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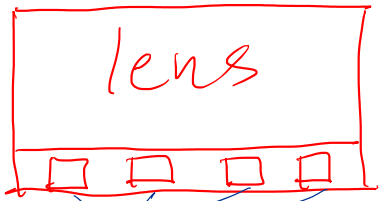
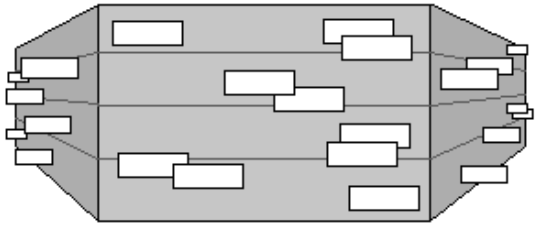
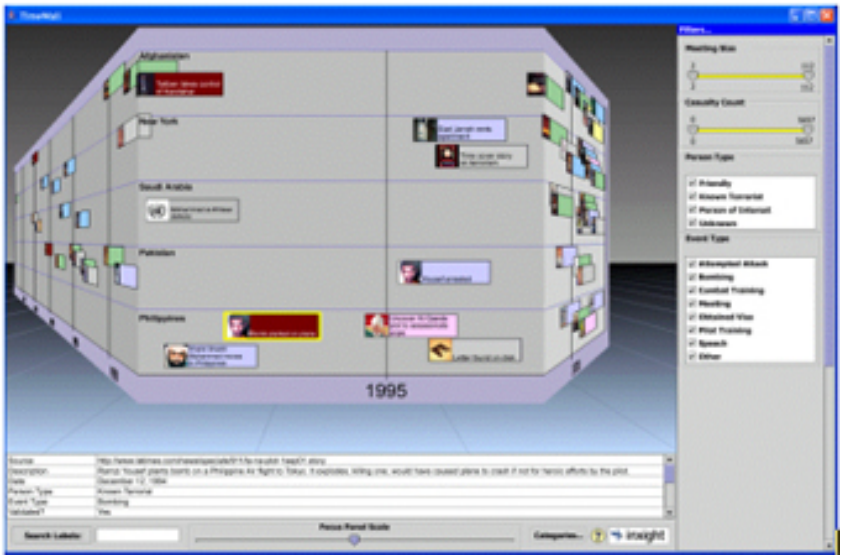


# 3D bifocal: The perspective wall

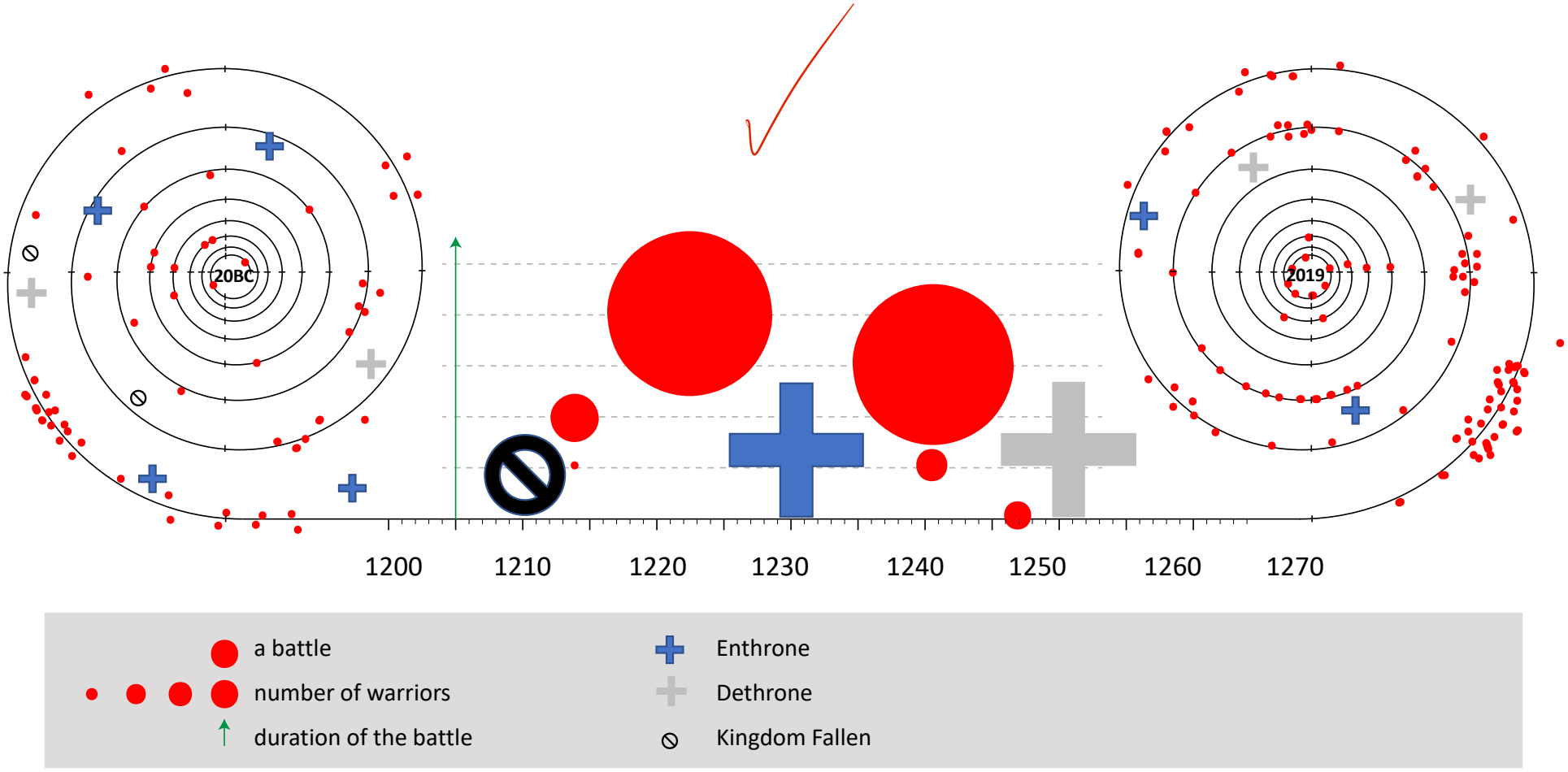
- Perspective panels are shaded to enhance the effect of 3-D
- X axis typically used for ordinal data such as time and date
- Y axis can be used to visualize other dimensions of information.





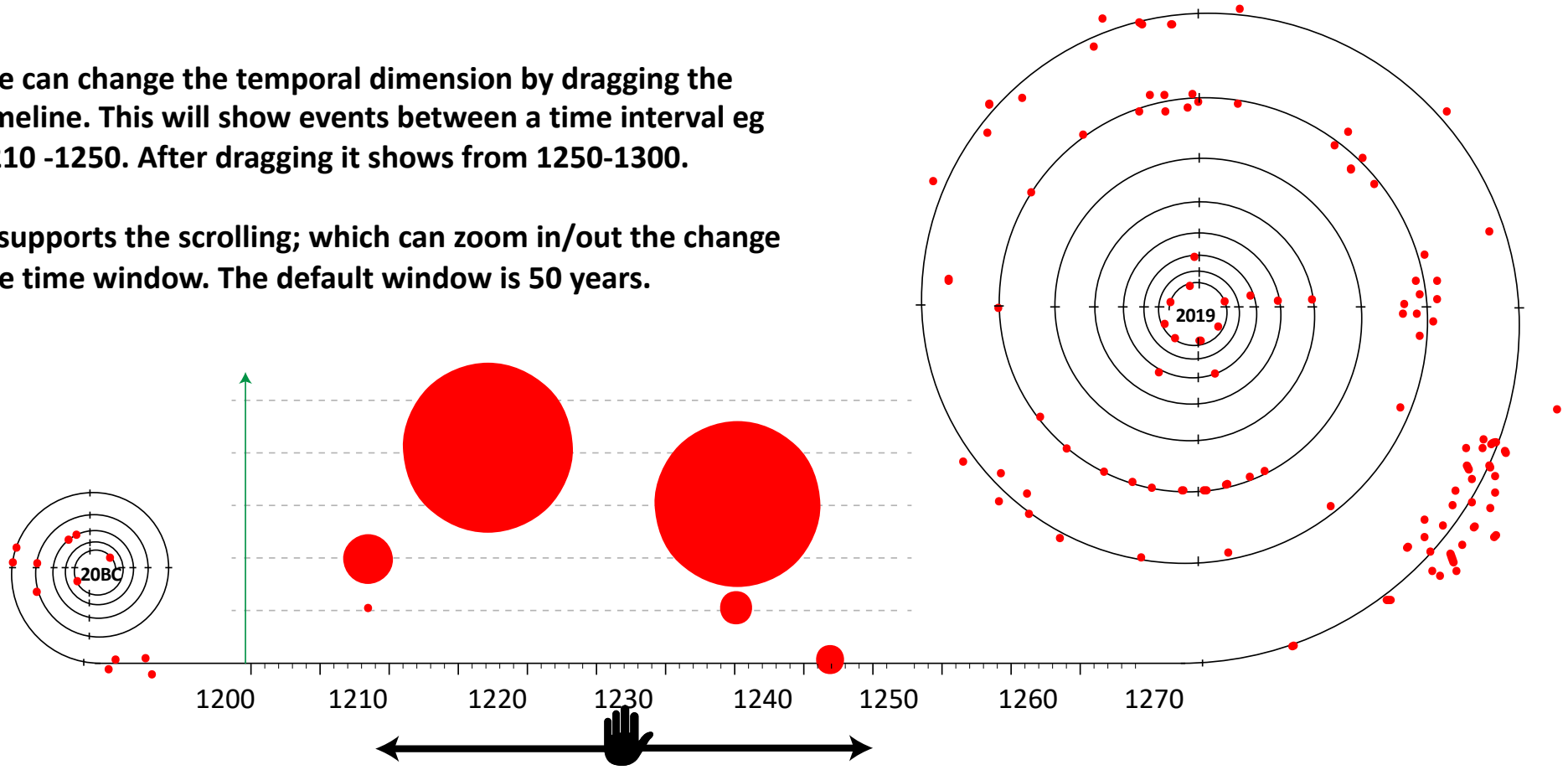

https://www.youtube.com/watch?v=hYUZbrWtCZg

**This represents the timeline from 20BC to 2019 showing events over time such as battles, enthroning, etc.**



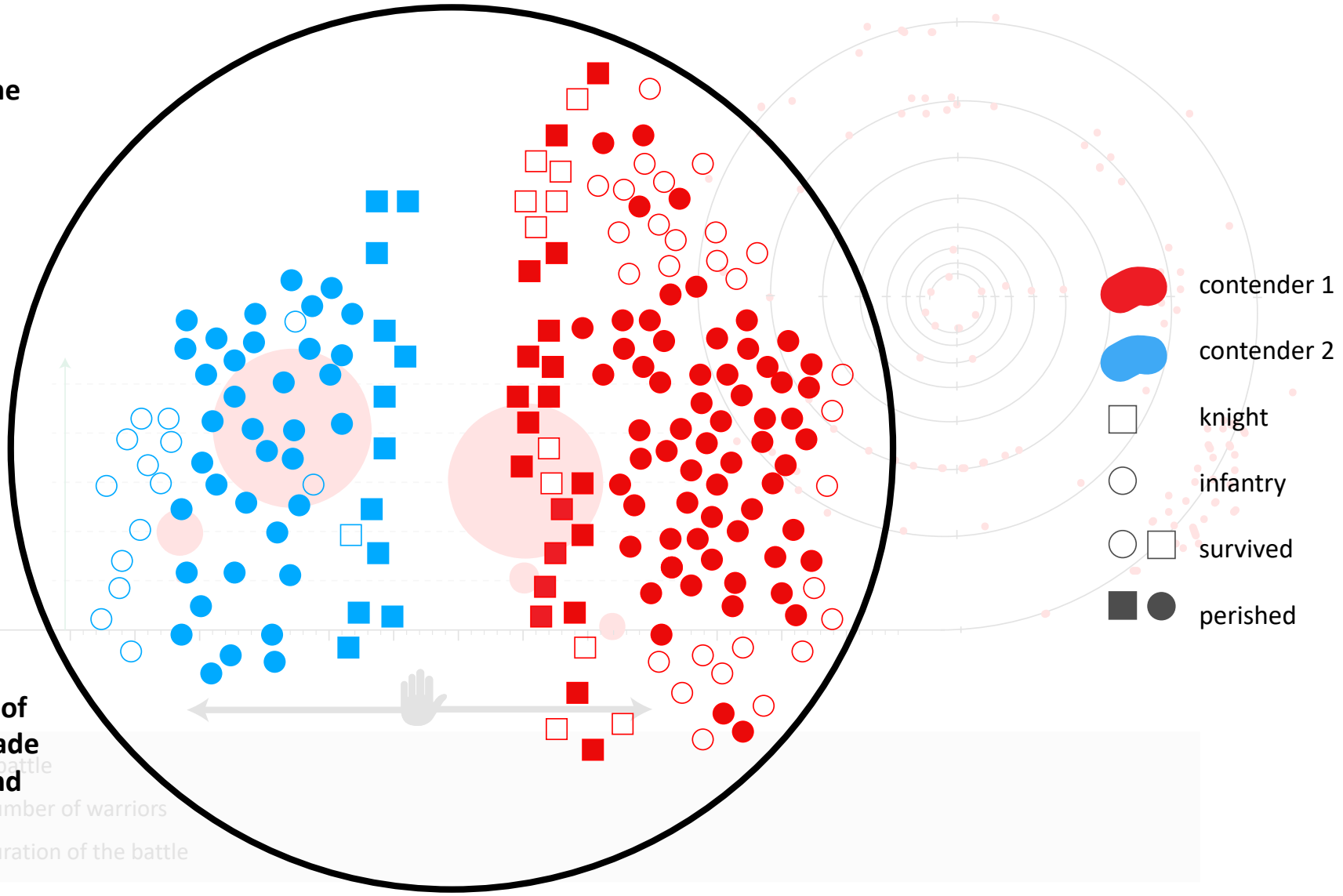
**We can change the temporal dimension by dragging the timeline. This will show events between a time interval eg 1210 -1250. After dragging it shows from 1250-1300.**

**It supports the scrolling; which can zoom in/out the change the time window. The default window is 50 years.**



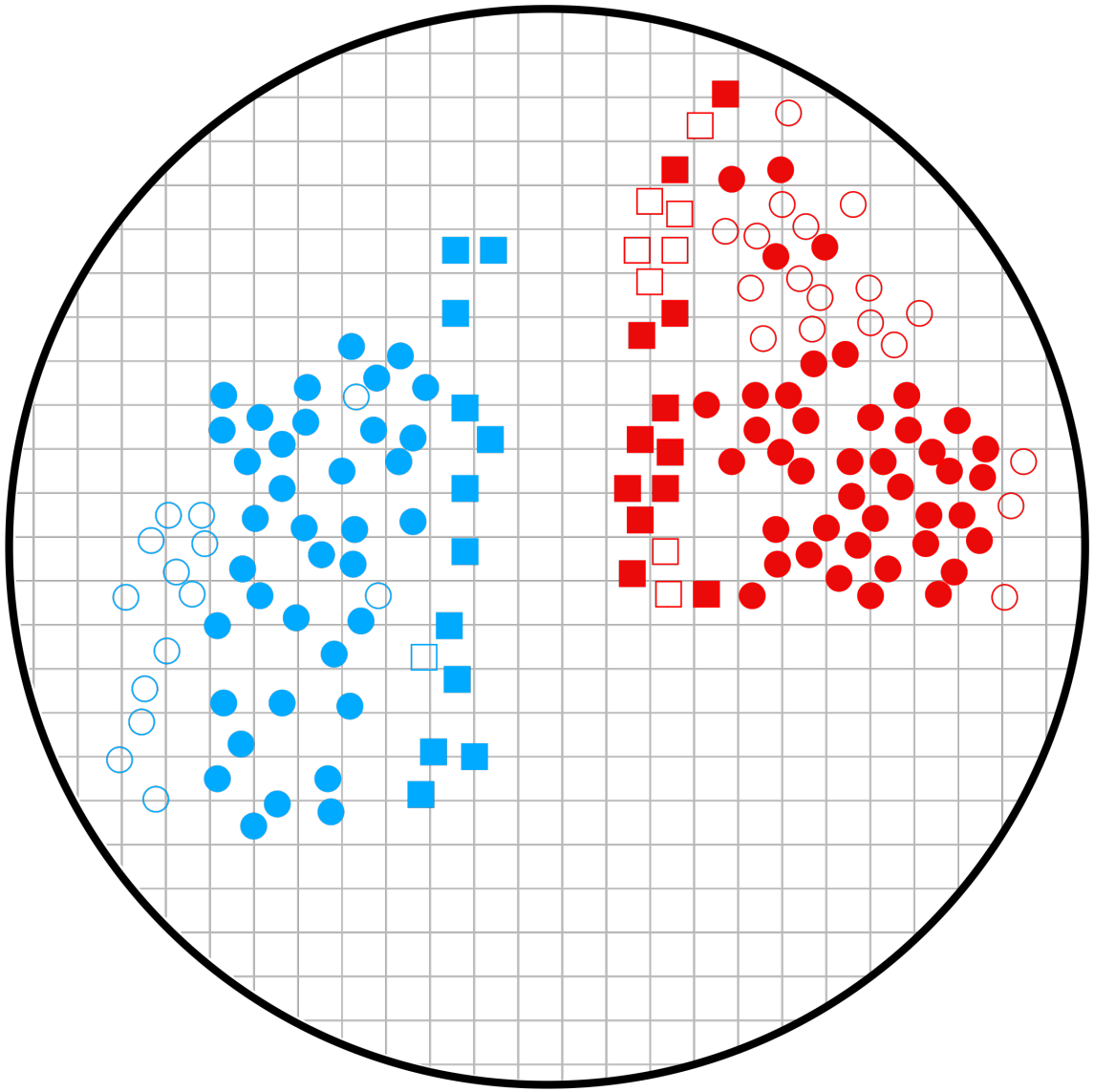
# A Battle.

**We are showing one type of events.**




**When you click on of the battles it will fade out the timeline and drill down using semantic zooming**

A **grid** shows that all parts of the battle are shown with the same importance and level of details



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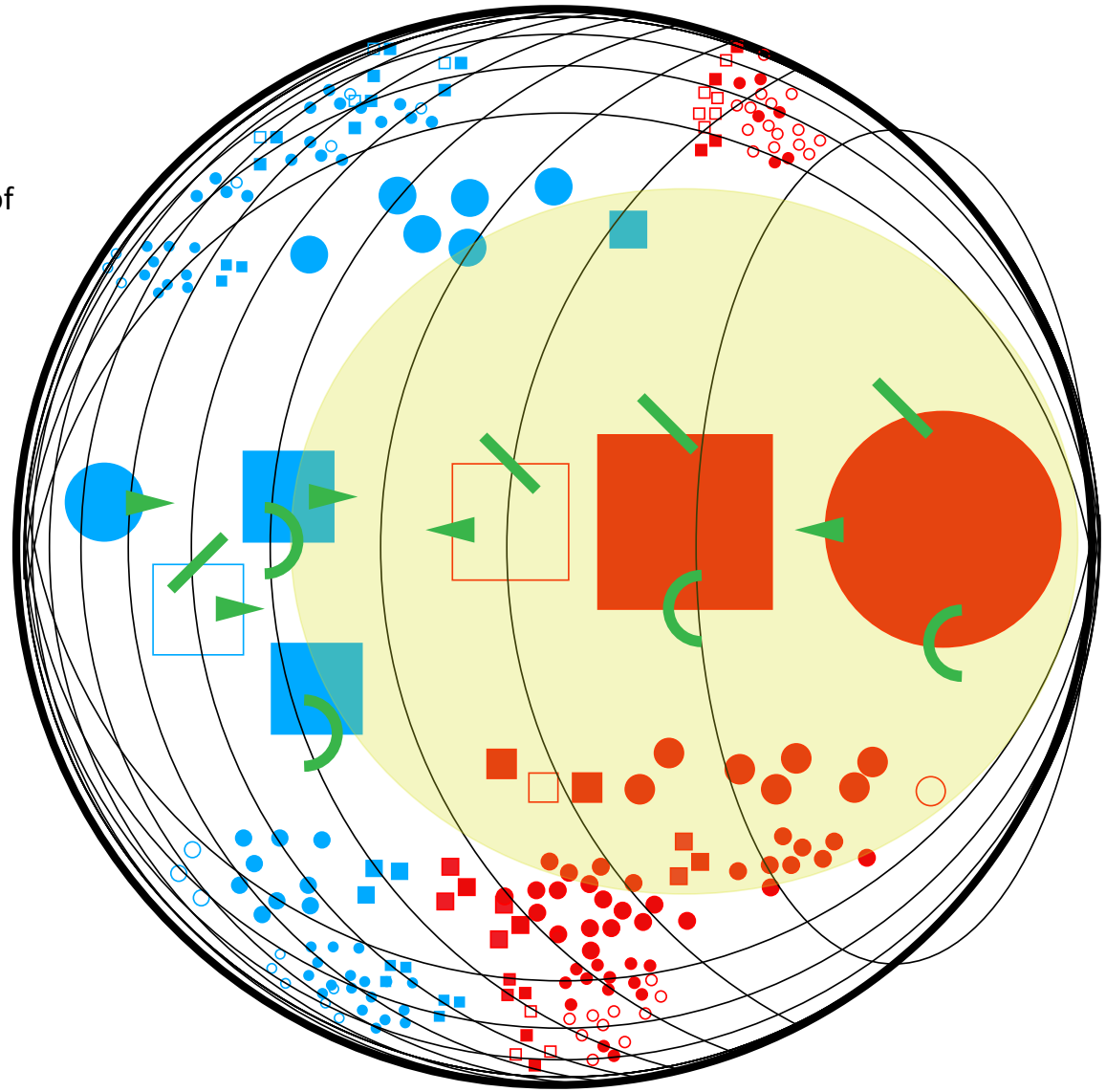
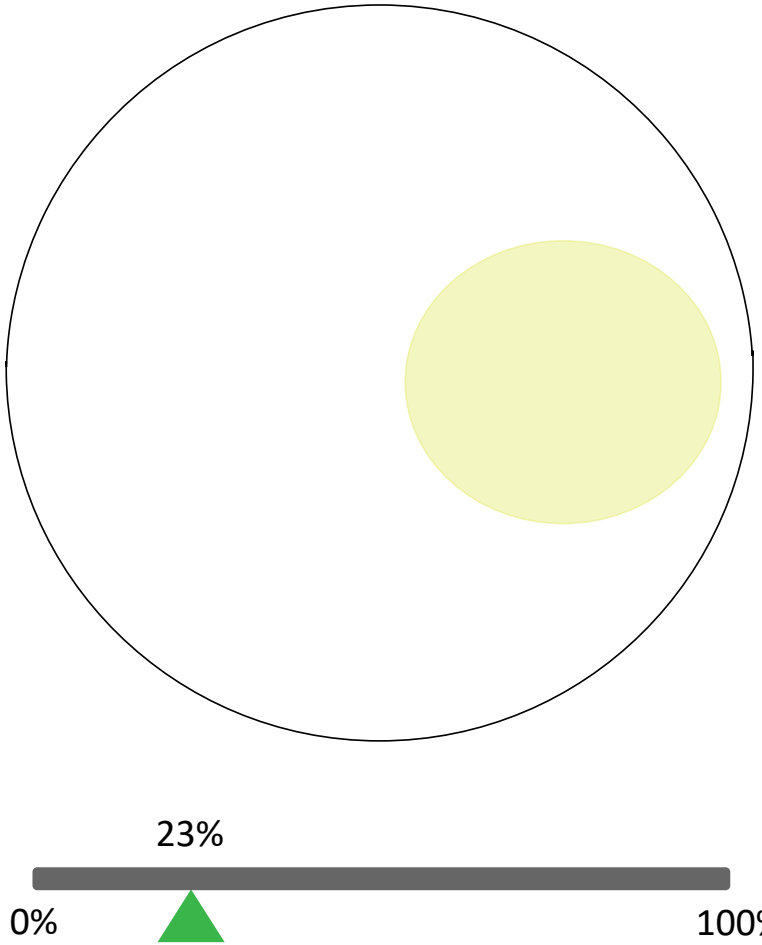


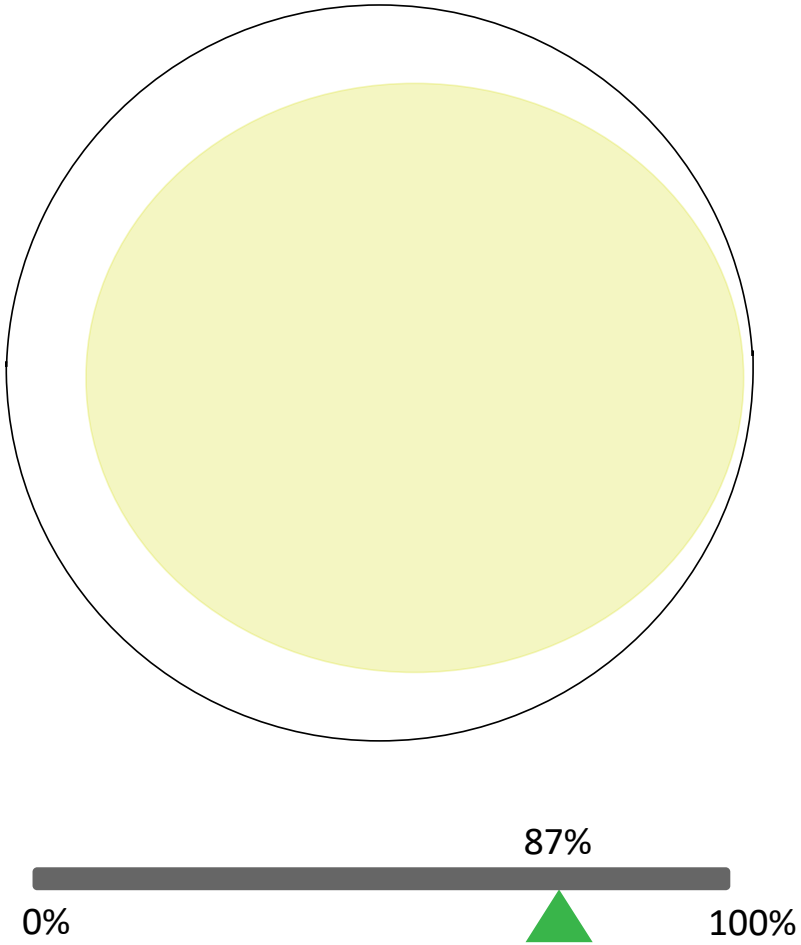
sword

dagger

bow

## LENSE SIZE CONTROL



## LENSE STRENGTH CONTROL