**Time**
① start date
② end date
③ duration
④ time zone

**Geography**
① position — longitude
                 latitude
② State

**Year Trend**

**Source**

**Event Property**
① event type
② event zone
④ injures, deaths, damages,
⑤ magnitude, width, length,

Time — duration, histogram, boxplot

Time – Geography    duration — State   group by event type

Time – Property :   duration — ① event type
                    duration — ④ injures, deaths
                    duration — ⑤ magnitude , group by event type

*Zhendong*

Property:
event type , injures, deaths, damage — histogram , boxplot

event type — State
              injures, deaths, damage   xiaowei
              month

event – zone — damage
damage — State

*LiYin*

*Xiaowei*

Month

magnitude Zhendong

magnitude — length, width, by event type — Zhendong

Tornado ⟷ length, width ⟶ duration, ⟶ Texas topic

Flood ⟷ flood cause    Xiaowei

EJ

State topics :    California ,  New-York,
                                        The same

position          injures   event-type   magnitude
on map

property

duration

year trend

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Year trend ——  event type

injures, deaths, damage

regression line

magnitude , group by event type