First Project

Soonk Paik

Initial motivation and question

Motivation

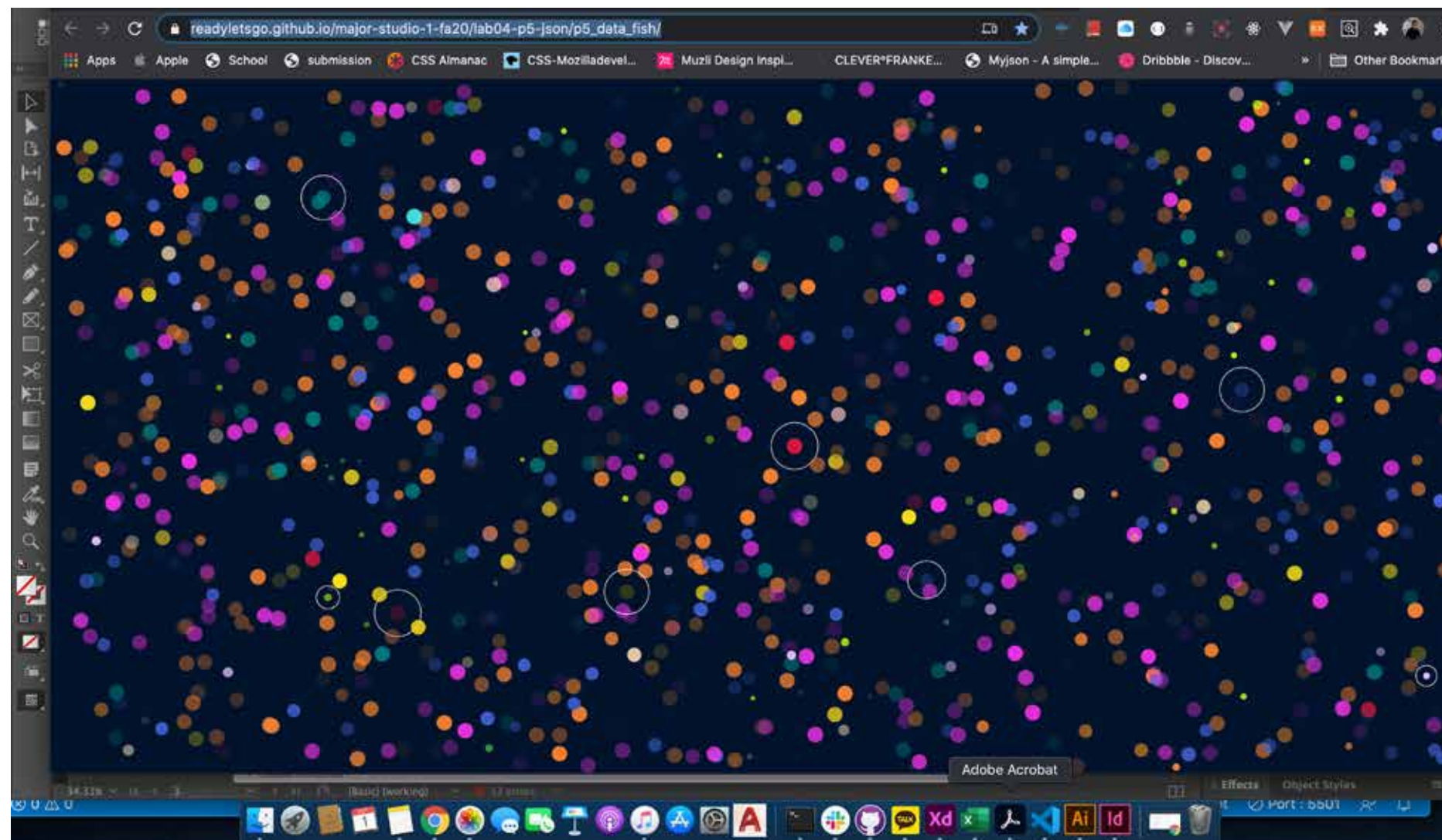Question

Process

Data binding

Circle Objects
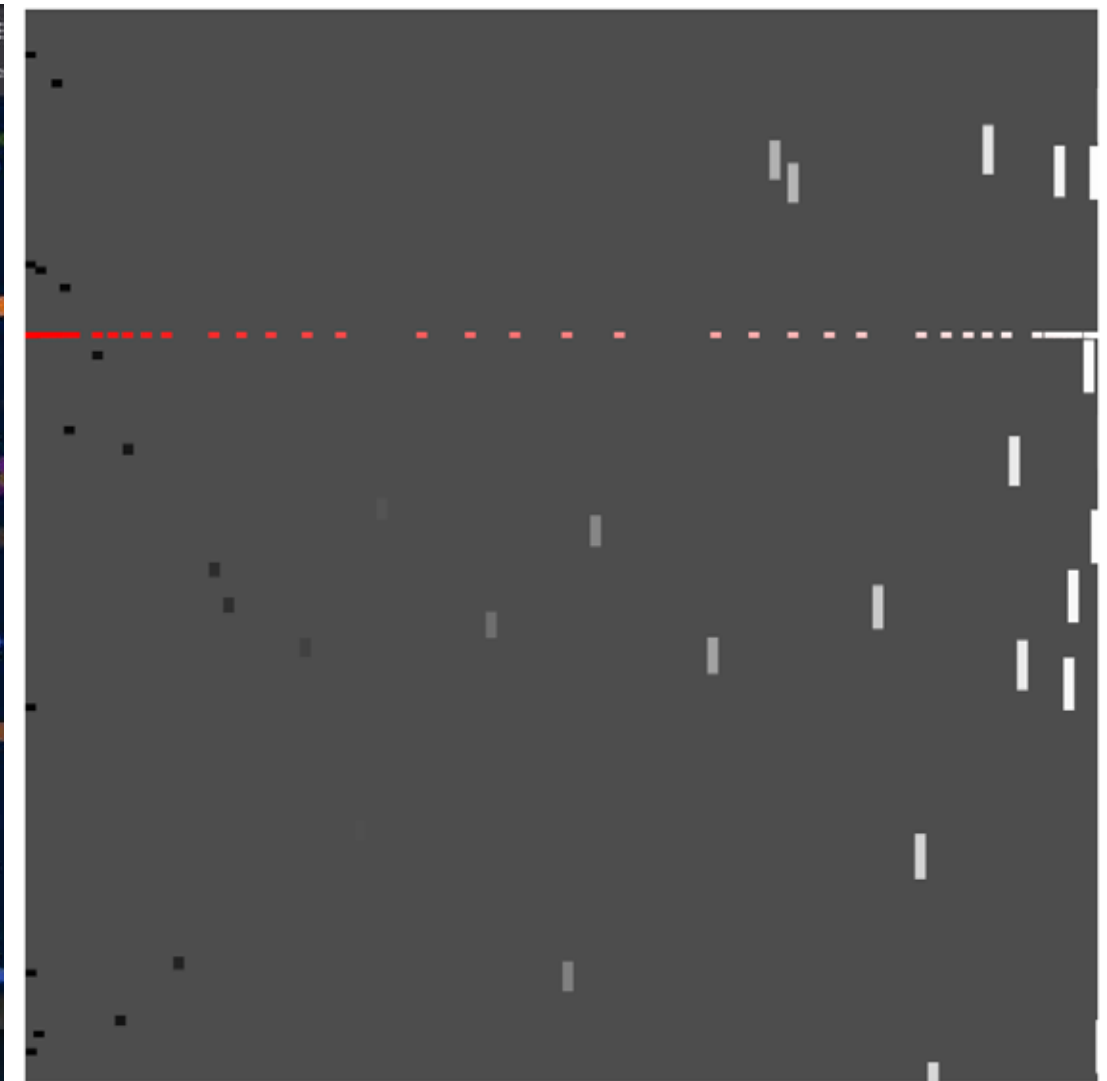
Visualization

Still images
Code

Initial motivation and question

Motivation

Question

Looping animation in P5

Looping animation in d3

Initial motivation and question

Motivation

Question

❤ **Jorge Prelorán collection**

CREATOR:	Preloran, Jorge, 1933-2009 🔍
NAMES:	University of California, Los Angeles 🔍
EXTENT:	50 Film reels (50 completed films and 1 film series; 110,600 feet of original film outtakes (51 hours); 412 hours of audiotape; 31 digital books)
	22 Linear feet (Papers and photographs)
TYPE:	Collection descriptions
	Archival materials
	Film reels
PLACE:	Patagonia (Argentina and Chile)
	Argentina
DATE:	1954-circa 2008
SUMMARY:	Documentary filmmaker Jorge Prelorán was best known for his intimate approach to ethnographic film, a style known as "ethnobiography." The majority of Prelorán's films were shot in rural areas of Argentina, particularly the Andean highlands and the Pampas (plains), often in communities of mixed Indian and Spanish heritage. Prelorán documented a wide range of subjects, including art, folk crafts, agriculture, ranching, markets, religious rituals and festivals, and social and cultural change. This collection contains edited films and videos, film outtakes, audio tapes, photographic

🏷 View Full Record

🖼 Additional Media

🖨 Print

↪ Share ▲

✉ Contact Info

📄 Resource Link

Process

Data binding

Circle Objects

Example: Join Data to Existing Element

```html
<p>D3 Tutorials</p>

<script>
        var myData = ["Hello World!"];

        var p = d3.select("body")
            .selectAll("p")
            .data(myData)
            .text(function (d) {
                return d;
            });
</script>
```

d3 data-binding

```javascript
// 8개까지는 1열, 16개까지는 2열, 24개까지는 3열 so on and so forth
move(){

    if(this.origintrigger){
        // 해당하는 continent의 x좌표보다 작은 경우 조금씩 더해나가고, 큰 경우 조금씩 빼나간다.
        if(this.xcoord>this.continent
            && this.ycoord<height-margin.bottom-120){
            this.xcoord=this.xcoord-10;
            this.ycoord=this.ycoord+10;
        }

        else if (this.xcoord<this.continent
            && this.ycoord<height-margin.bottom-120){
            this.xcoord=this.xcoord+10;
            this.ycoord=this.ycoord+10;
        }

        else if(this.ycoord>height-margin.bottom-120){

            this.xcoord=this.continent+(this.index%8)*15
            this.ycoord=630-(Math.floor( (this.index)/8 )*10)
        }

    }
    else{
        this.xcoord=this.xcoord+random(-2,2);
        this.ycoord=this.ycoord+random(-2,2)
    }
}
```
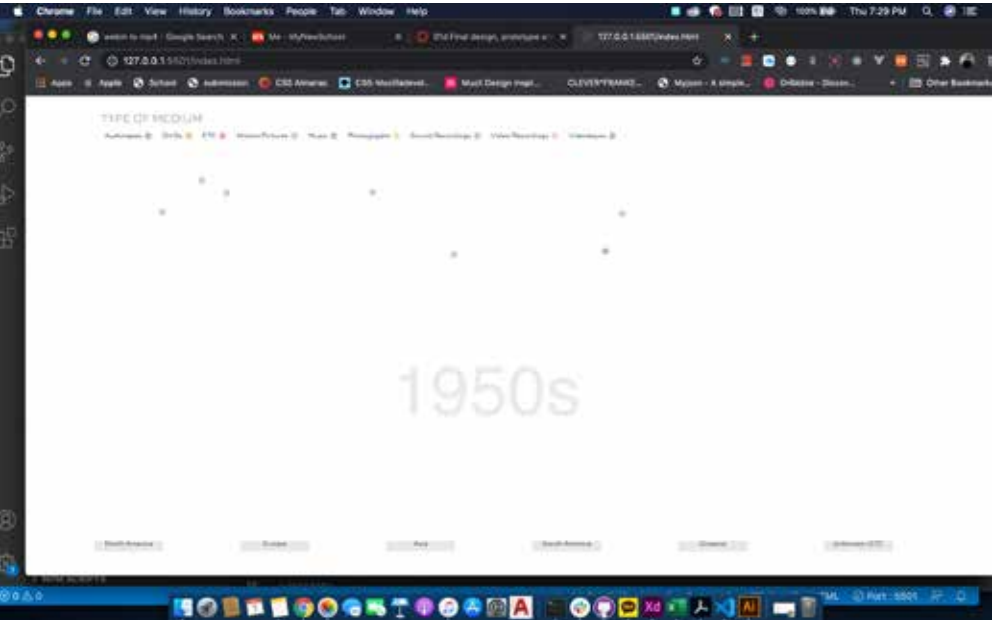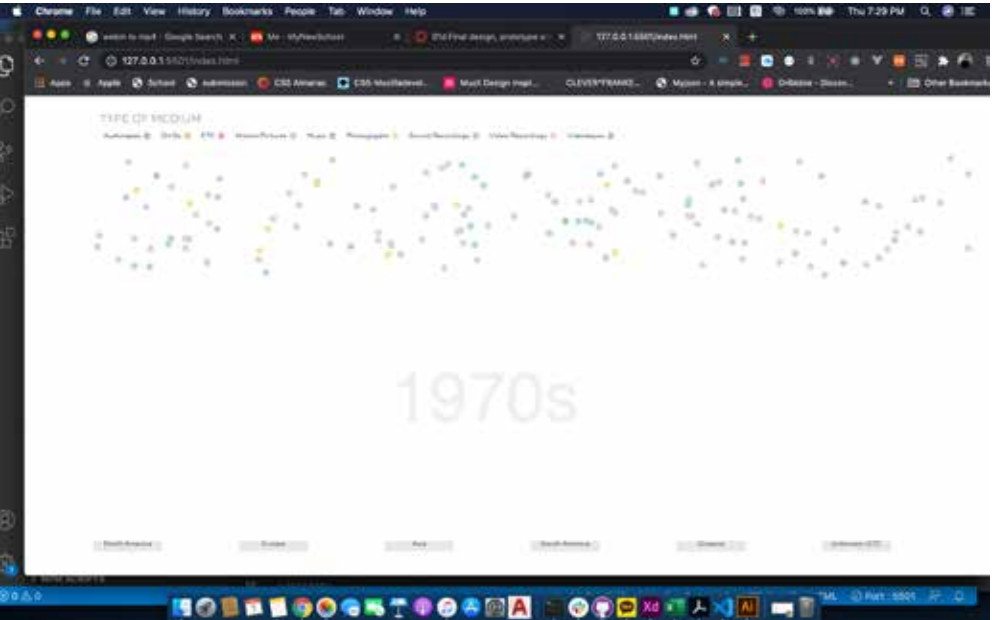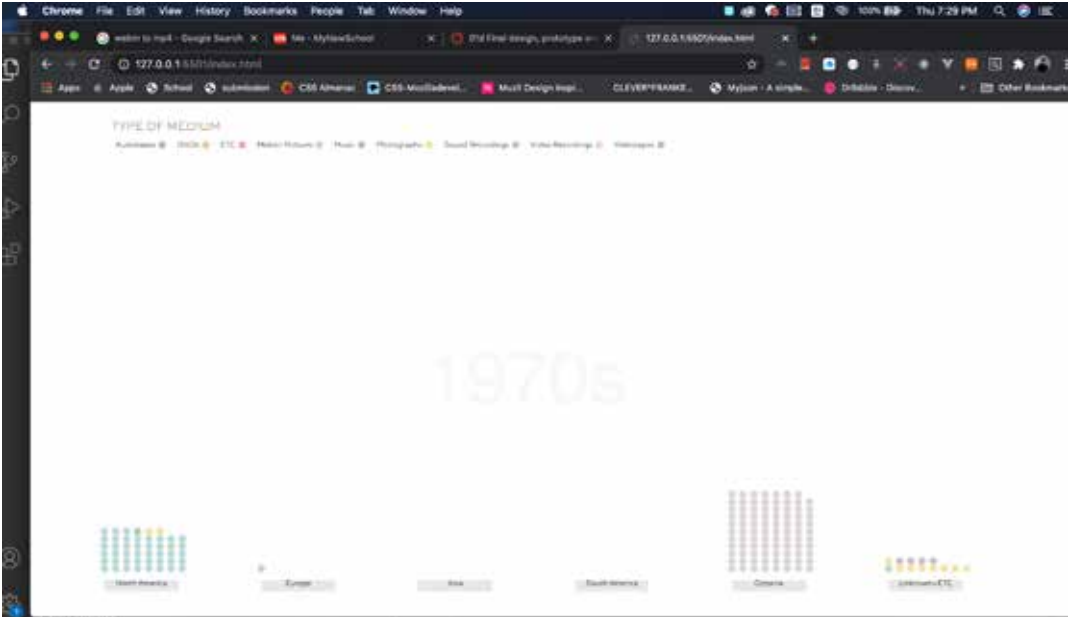
work-around in p5js

Visualization

Code

Landing

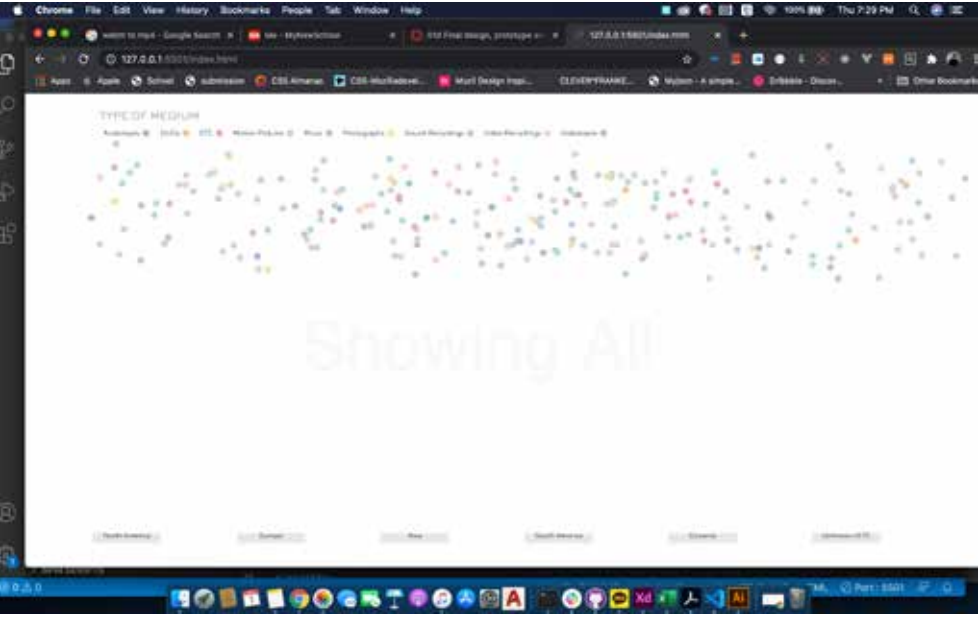

1st Era

Proceeding

Arranging

Going Back

Summary

Human History Film Archive
Quantatative Data Visualization
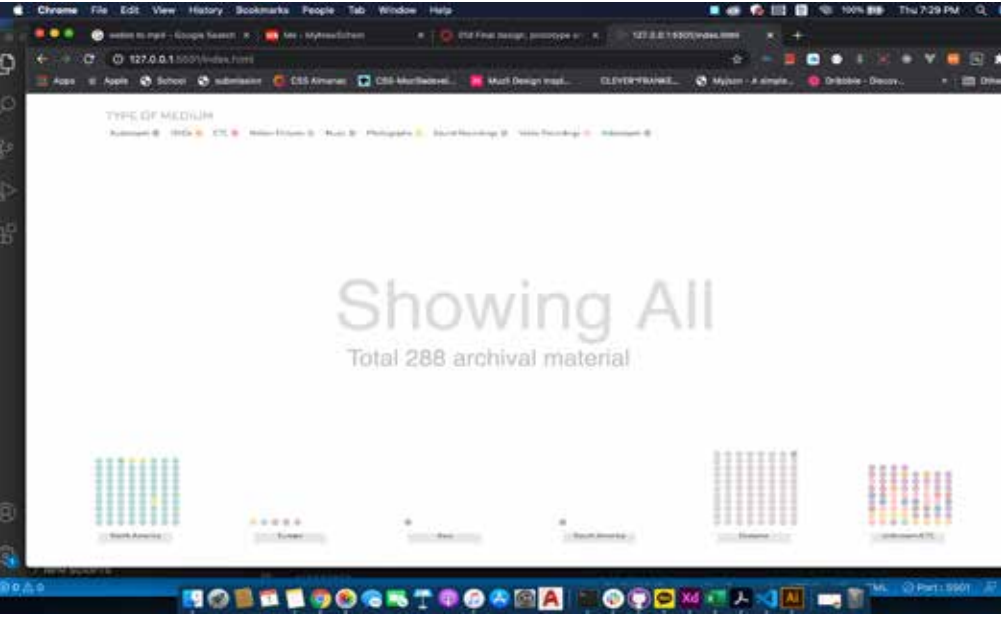
Visualization

Still images

Code


```
$('.legendcontainer')
.css('left',`${margin.left}`)

cLocation=d3.scaleBand()
                .domain(place)
                .range([margin.left,width-margin.right]);

mediumtypes=["Audiotapes","DVDs","ETC","Motion Pictures"
            ,"Music","Photographs","Sound Recordings"
            ,"Video Recordings","Videotapes"];

myColor = d3.scaleOrdinal()
                .domain(mediumtypes)
                .range(colorscheme);

targetYears = Object.keys(targetData);
    // targetYears is set as 1950s to 2010s

targetYears.forEach((y)=>{
        dataJoint.rows.forEach((t)=>{
            fillData(t,y)
        })
    })
```

Position calculation using d3


```
function mouseWheel(event) {
    scrolled=true;
    direction=event.delta;
    //move the square according to the vertical scroll amount

    scrollTrack=scrollTrack+event.delta;
    scroll = map(scrollTrack,0,70000,0,750,true)
    if(event.delta>1 && scroll>0 && scroll<0.2){updateEra('1950s')}
    else if(event.delta>0 && scroll>100 && scroll<101){updateEra('1960s')}
    else if(event.delta>0 && scroll>200 && scroll<201.2){updateEra('1970s')}
    else if(event.delta>0 && scroll>300 && scroll<301.2){updateEra('1980s')}
    else if(event.delta>0 && scroll>400 && scroll<401.2){updateEra('1990s')}
    else if(event.delta>0 && scroll>500 && scroll<501.2){updateEra('2000s')}
    else if(event.delta>0 && scroll>600 && scroll<601.2){updateEra('2010s')}
    else if(event.delta>0 && scroll>690 && scroll<691.2){showAll()}

    else if(event.delta<0 && scroll>100 && scroll<101.2){updateEra('1950s')}
    else if(event.delta<0 && scroll>200 && scroll<201.2){updateEra('1960s')}
    else if(event.delta<0 && scroll>300 && scroll<301.2){updateEra('1970s')}
    else if(event.delta<0 && scroll>400 && scroll<401.2){updateEra('1980s')}
    else if(event.delta<0 && scroll>500 && scroll<501.2){updateEra('1990s')}
    else if(event.delta<0 && scroll>600 && scroll<601.2){updateEra('2000s')}
```

Scroll Logic


```
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Arranging Logic