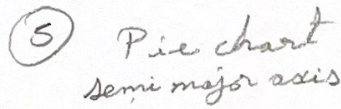
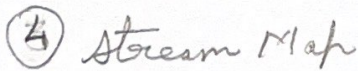
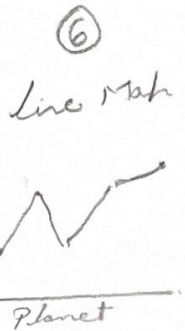
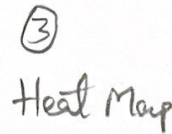
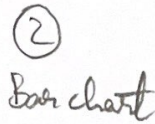
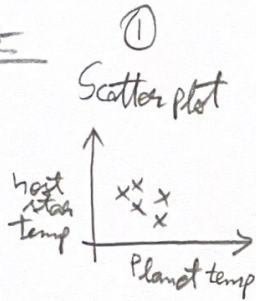


## Sheet-1:-

### Ideas:-



### Filter:-

① by distance light year

with range maybe  
0-100  
100-200  
200-300

② by temp using color

0-300k  
300-600k  
600k+

### Questions:-

① How far is a planet from Earth?

② What temp is of the surface of the planet when compared to that of Earth's?

③ What is host star temperature for a given Planet?

④ Compare mass of a planet to the Earth?

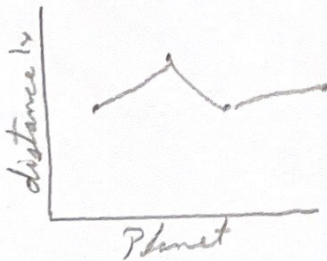
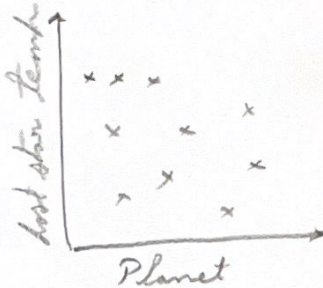
### Categories:-

① Planetary view

② compare a planet with the Earth.

## Sheet - 2:-

### Layout:-



radius of planet



### Operation:-

→ User can hover on to the points on scatter & line to get more info about the planet.

→ The pie chart is interactive, when clicked on a sector, the subsequent values in other two views are displayed.

### Discussion:-

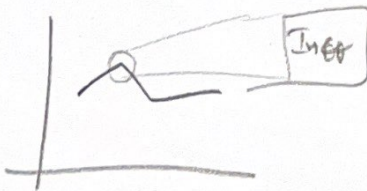
+ The temp is easy to recognise.

+ Comparison is being done.

- Radius of the planet is confusing using pie chart it is not comparable.

- Comparison is being done but not easy to read & interpret.

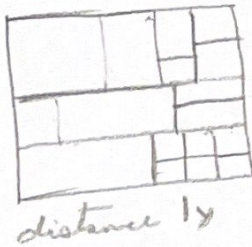
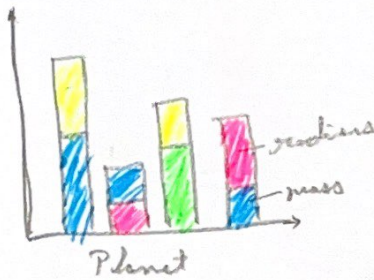
### Focus:-





## Sheet-3:-

### Layout:-



### Focus:-

hover onto any point on  
bar (or) tree  
↓  
info about the planet.

### Operation

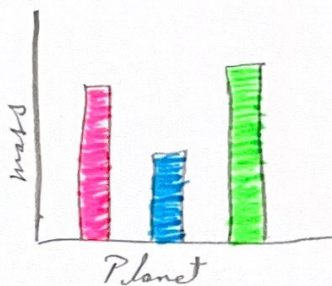
- Both chart & map are interactive.
- Hover function will display tool tip.
- The points are clickable to compare between planets.

### Discussion:-

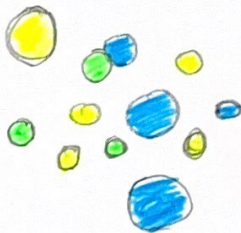
- + multiple comparisons possible.
- + Color use works well & makes easy to differentiate.
- Treemap makes the visualization confusing.

## Sheet - 4:-

### Layout:-



temp range.



temp range.

### Focus:-

Hover onto circle  
↓  
tooltip

click on circle  
↓  
bar chart changes

### Operation:-

→ The bubbles (planets) are hoverable to display tooltip.

→ They are also clickable & the subsequent data will be updated in the bar plotting.

### Discussion:-

+ Planets view as instaled in the beginning.

+ Mass comparison with temp.

- Bubbles are cluttered & no filter

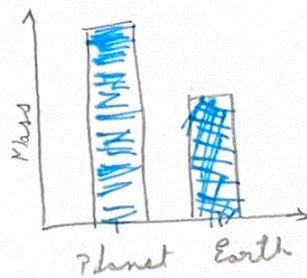
- & temp is ambiguous.



## Sheet-5:-

### Layout:-

Details



Color hue for Planet Temp

Zoom

Saturation of yellow for host star's temp.



### Focus:-

Hover on planets  
↓  
Planet name  
↓  
click on it  
↓  
bar chart changes.

### Operation:-

- Slide the zoom slider to move to the center towards the earth.
- Color of the bar chart changes according to the selected planet.
- on click, details of the planet is displayed to compare & analyze.

### Discussion:-

- + Zoom slider acts as a filter.
- + The size of planet & distance is adjusted according to zoom.
- + Color hue & saturation is distinguishable for planet & host star temperatures.
- + Star track tool.