

# Data Art

by Riken Patel  
guided by Prof. Venkatesh R.

DRS

## Abstract

Data-art is different from visualization as the primary intent of the representing data is not to convey specific communication message but to create curiosity in viewers to explore more.

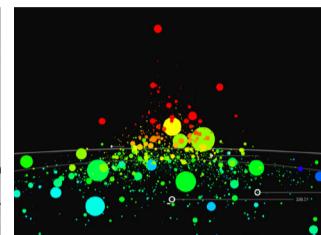
Aim of the project is to use the data to generate art. It is an attempt to create aesthetically appealing art pieces using real world data to communicate it to larger audience and engage them with data. A try to humanizing the data that people can appreciate which otherwise remains dull and boring.

It is not possible for artist to completely disappear from producing the art. The work of art can be generated without artist's presence but not without the ideas.

## Existing Projects



Mechanics of Chance  
by Jean Tinguely



1236 exoplanets identified  
NASA's Kepler mission.



3D printed microsculptors  
from recorded sounds



Generative identity  
based visiting card

## Data Used for Project



50<sup>th</sup> Inter IIT  
Sports Meet

16

IITs

11

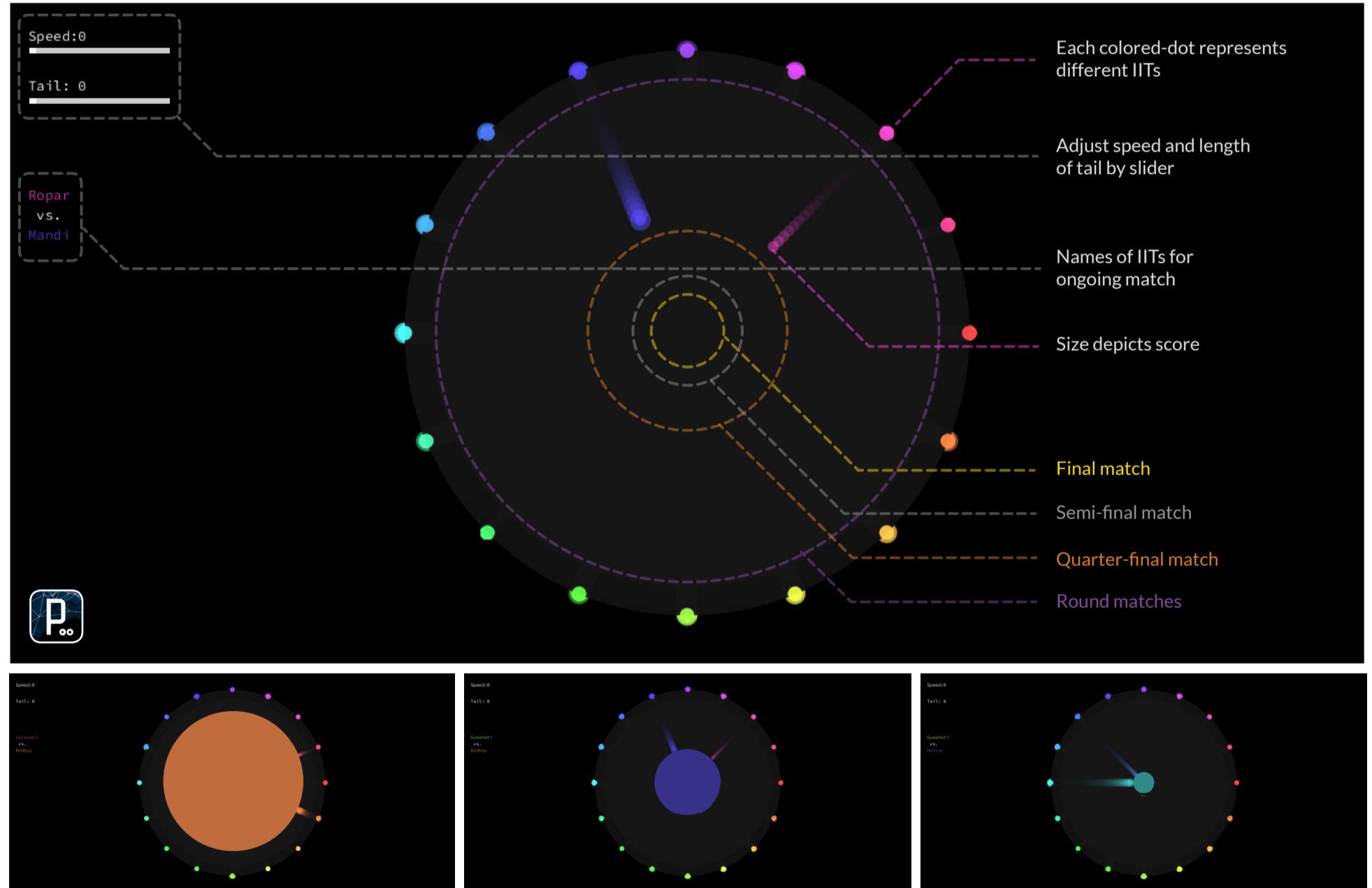
Sports

300+

Matches



## Final Representation



The final idea mimics the race between raindrops which eventually merge into each other. It is which discloses match between each IIT one by one, sport by sport

## Conclusion

Humanizing the data is need of the day, and to make it more interesting one can challenge conventional approach of deriving representation from context.

There can be multiple levels at which data-visualization and data-art can intersect. One can convert data to make it interesting while keeping the context unclear to

audience at first. Gradually one can reveal the details describing the context and make it more interpretable.

# Data-Art

```
while (input==data)
{
  map(data, dull, boring, humanized, vivid);
  return (art);
}
```

Riken Patel (136330002)

Guide: Prof. Venkatesh Rajamanickam



50<sup>th</sup> Inter IIT Sports Meet

16 IITs

11 Sports

Men

Women

300+ matches



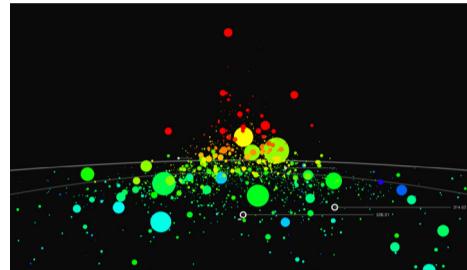
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"We are the city" bycicle data of London city

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Athletics  
Badminton  
Basketball  
Cricket  
Football  
Hockey  
Lawn-Tennis  
Swimming  
Squash  
Table Tennis  
Volleyball  
Water Polo  
Weight-lifting

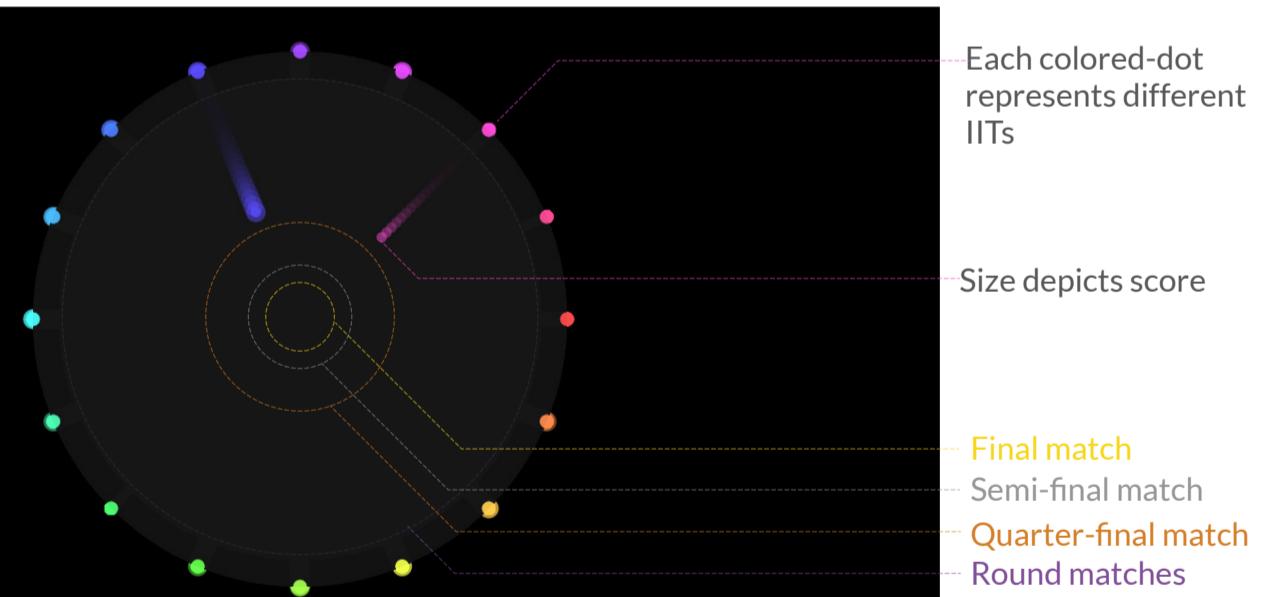
## Final Representation

Adjust speed and length of tail by slider

Speed: 0

Tail: 0

Names of IITs for ongoing match



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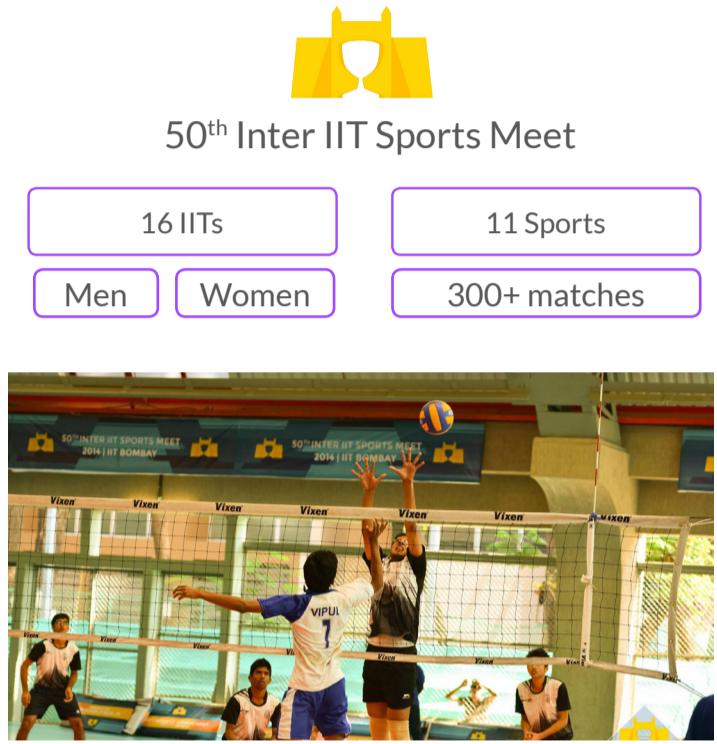
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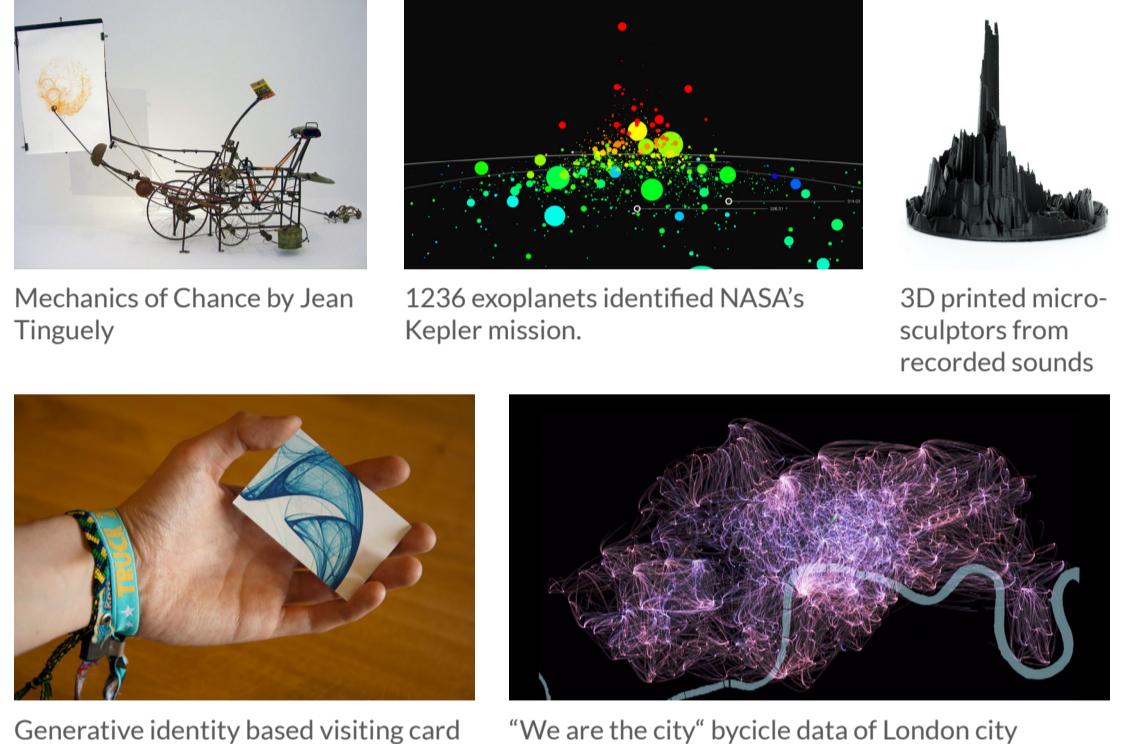
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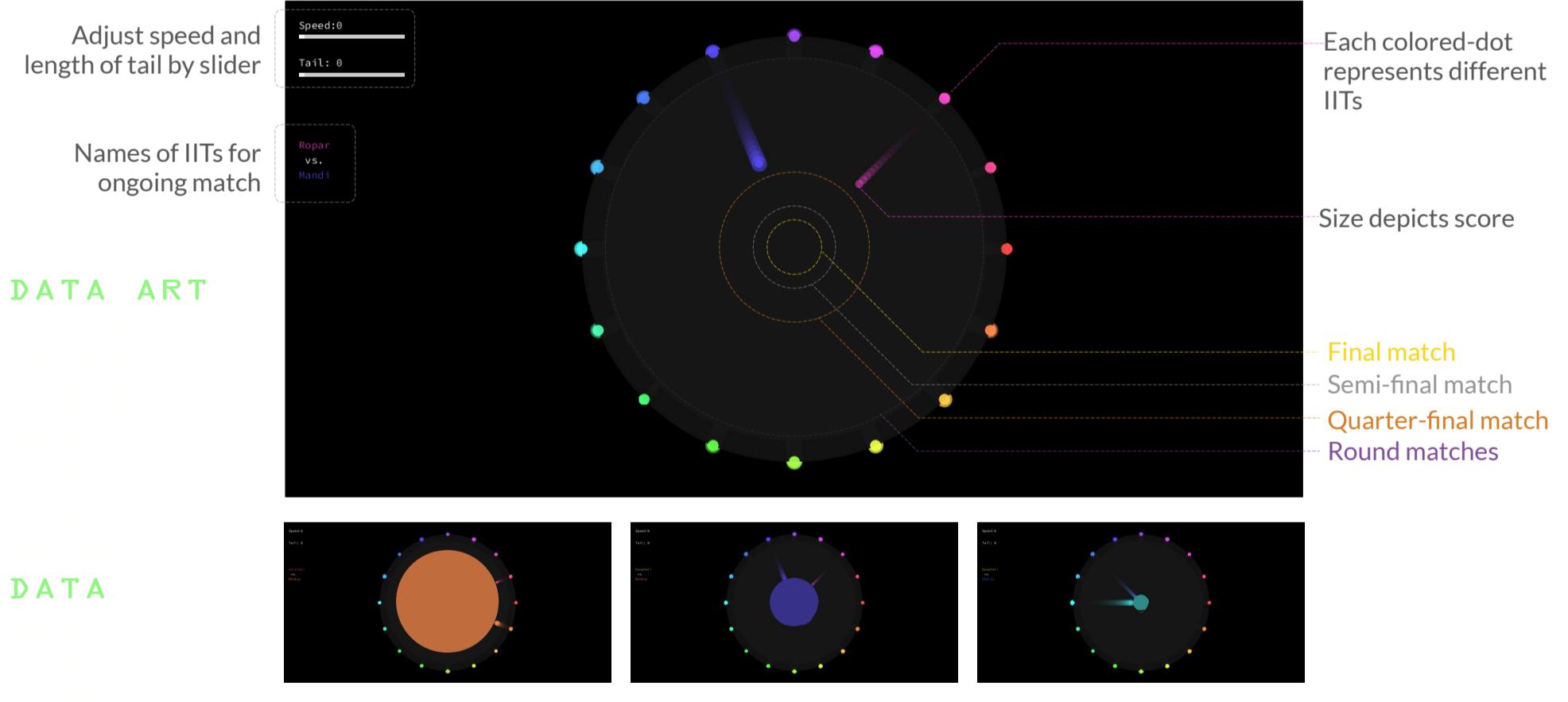
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## Data



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16 IITs

11 Sports

Men

Women

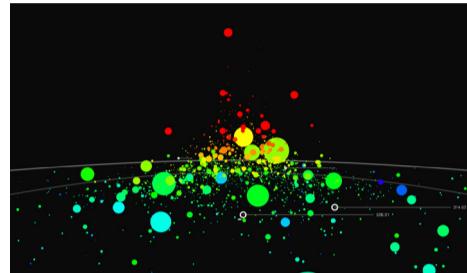
300+ matches



## Existing Projects



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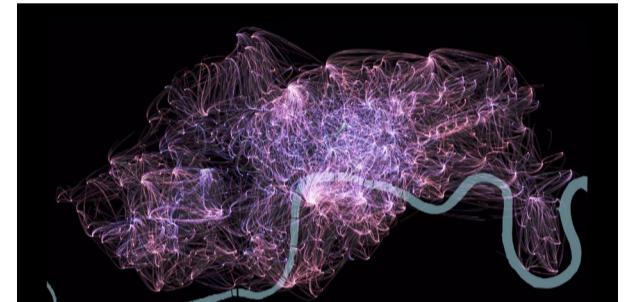
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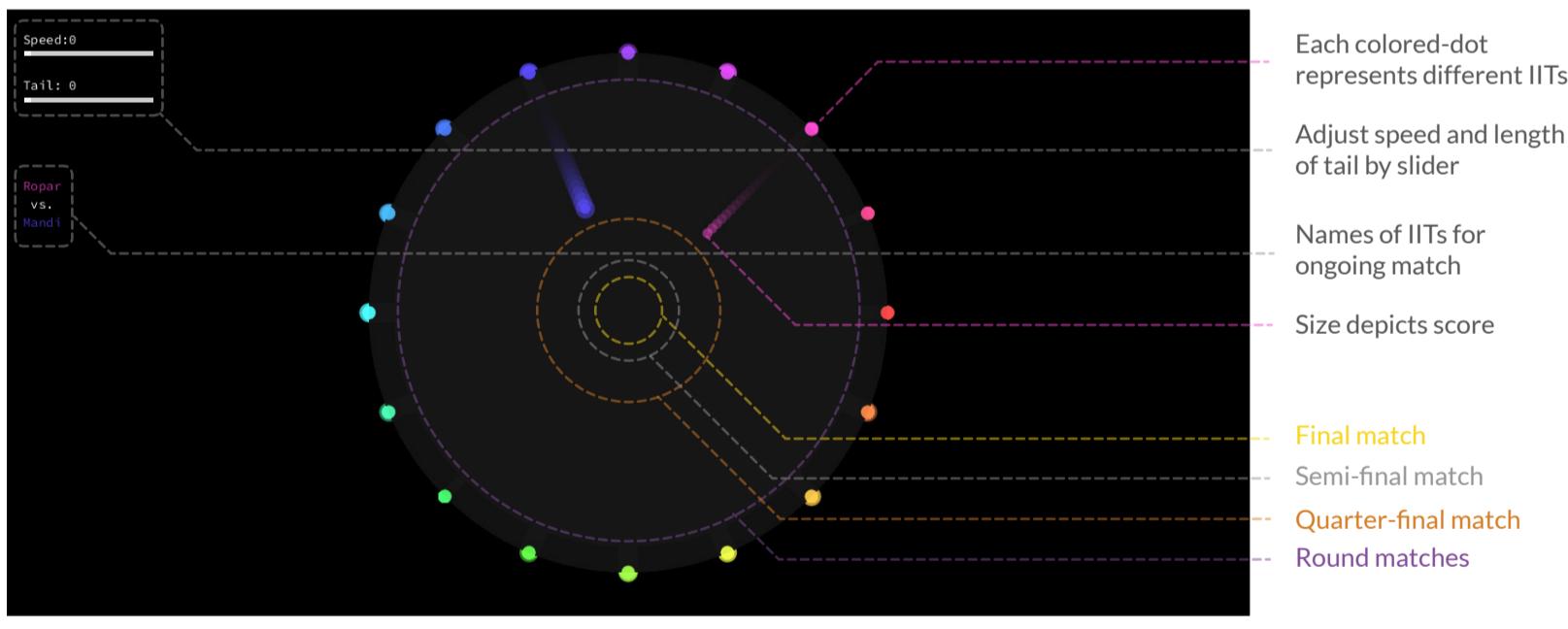


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