# HotShots

## Visualizing Stroke-by-Stroke Tennis Data

*Arvind Srinivasan* arvindrb@umd.edu
*Abhinav Kannan* abhinavk@umd.edu
*Niklas Elmqvist* elm@umd.edu

**HotShots** is a web-based tool to visualize tennis data on a court.

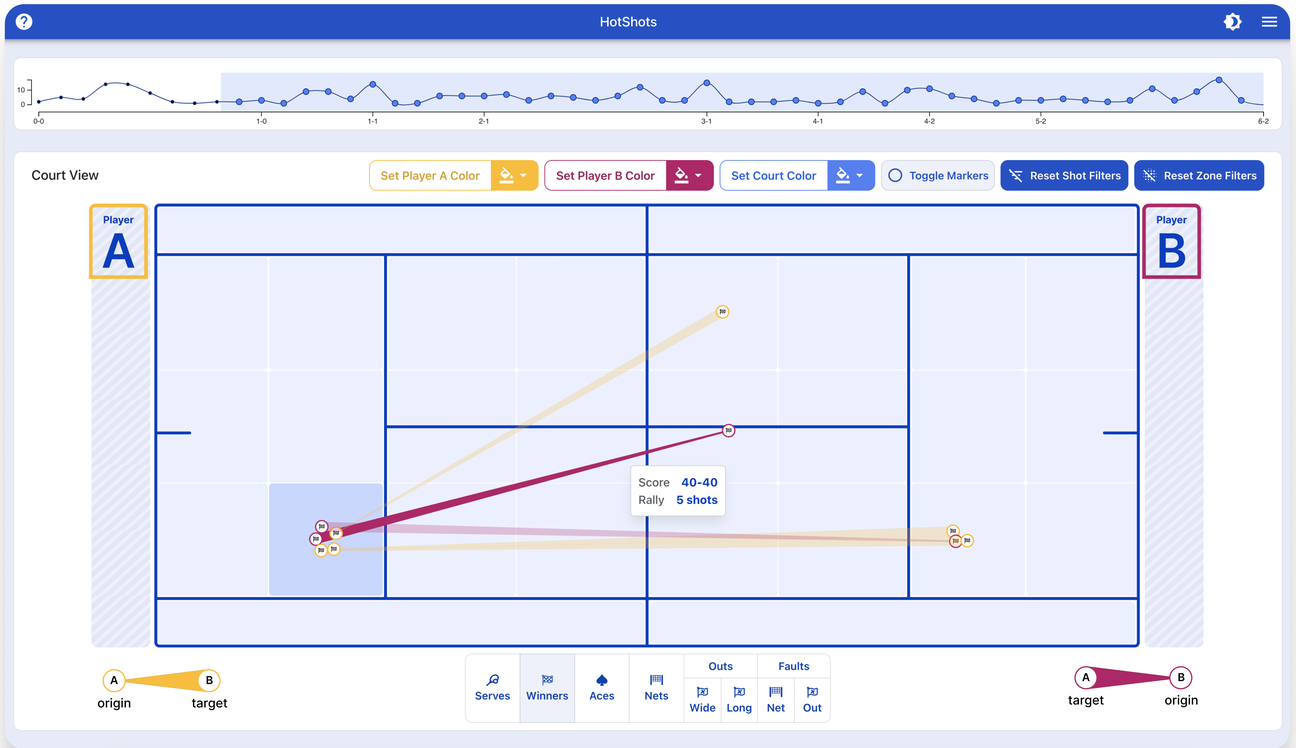
Tennis match data can be **better** represented through interactive strokeplay.

## Features

**Filter** by **Time** by **brushing** over a graph mapping **game points** to **rally lengths**

**Filter** by **Space** by **selecting** multiple **zones** to filter shots that traverse through them

**Filter** by **Stroke Type** as *Serves, Winners, Aces, Nets, Outs* and *Faults*



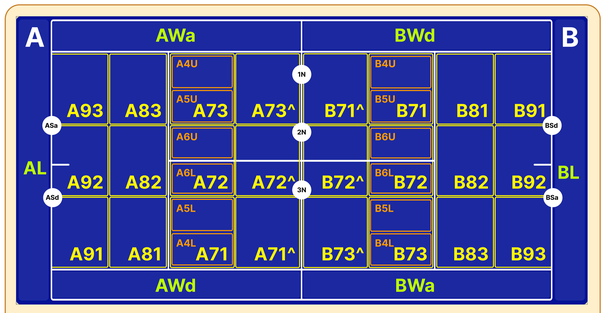

Access the prototype at
**hotshots-v2.vercel.app**

UNIVERSITY OF MARYLAND
HCIL
COLLEGE OF INFORMATION STUDIES

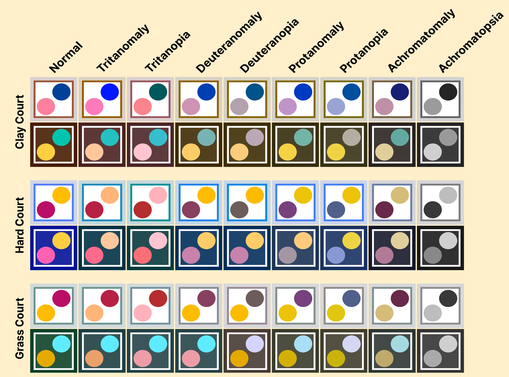
## Challenges with Current Systems

Largely represented with **numbers** and **tables**

**Ball tracking** data from court sensors is **inaccessible** and **expensive**




We parse data sourced from Tennis Abstract, by translating a **stroke code** and **number** into a **zone-based representation**.




Court representations are **accessible** to users with color vision deficiency (CVD).