



CricVision In-Depth Cricket Data Visualization and Insights (User Manual)

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Fall 2023

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Setup/Installation Guide

Pre-installation Tasks

To guarantee smooth operation of VMware Workstation, it is essential to first confirm that the application is correctly installs and configures on the system. It is imperative to conduct a thorough assessment of the host system to verify adherence to critical hardware requirements such as CPU performance, available RAM, and adequate disk space allocation. Ensuring that the host system possesses the necessary specifications significantly contributes to the optimal functioning of VMware Workstation.

Installation Procedure

To guarantee smooth operation during the installation procedure of VMware Workstation, it is essential to first confirm that the application is correctly install and configurs on the system. It is imperative to conduct a thorough assessment of the host system to verify adherence to critical hardware requirements such as CPU performance, available RAM, and adequate disk space allocation. Ensuring that the host system possesses the necessary specifications significantly contributes to the optimal functioning of VMware Workstation during the installation process.

Post-installation Tasks

The smooth operation following the installation of VMware Workstation, it is essential to confirm that the application has been correctly installs and configurs on the system. It is imperative to conduct a thorough assessment of the host system to verify adherence to critical hardware requirements such as CPU performance, available RAM, and adequate disk space allocation. Ensuring that the host system possesses the necessary specifications significantly contributes to the optimal functioning of VMware Workstation post-installation.

Uninstall or Rollback

The uninstallation or rollback procedure of VMware Workstation, it is essential to confirm that the application is correctly uninstall or reverts to a previous state. It is imperative to conduct a thorough assessment of the host system to verify adherence to critical hardware requirements such as CPU performance, available RAM, and adequate disk space allocation. Ensuring that the host system possesses the necessary specifications significantly contributes to the optimal functioning of VMware Workstation during the uninstallation or rollback process.

User Guide

Launching the Application

Upon accessing the virtual machine within VMware, users can find a straightforward log-in process that grants them entry to a myriad of opportunities. Among these opportunities lies the presence of a distinct icon, affectionately known as CricVision, which acts as a portal to a world of engaging functionality. One simple click on icon serves as the gateway for users to immerse themselves in a seamless experience filled with interactive elements waiting to be explored. Through the facilitated use of icon, users are seamlessly guided to launch their desired within a standard browser interface.

Login Section

Figure 1 The login panel of the CRICVISION website is the gateway for registered users to access their accounts and enjoy the various features and services provided by the platform. It typically consists of a login form where users can enter their login credentials.

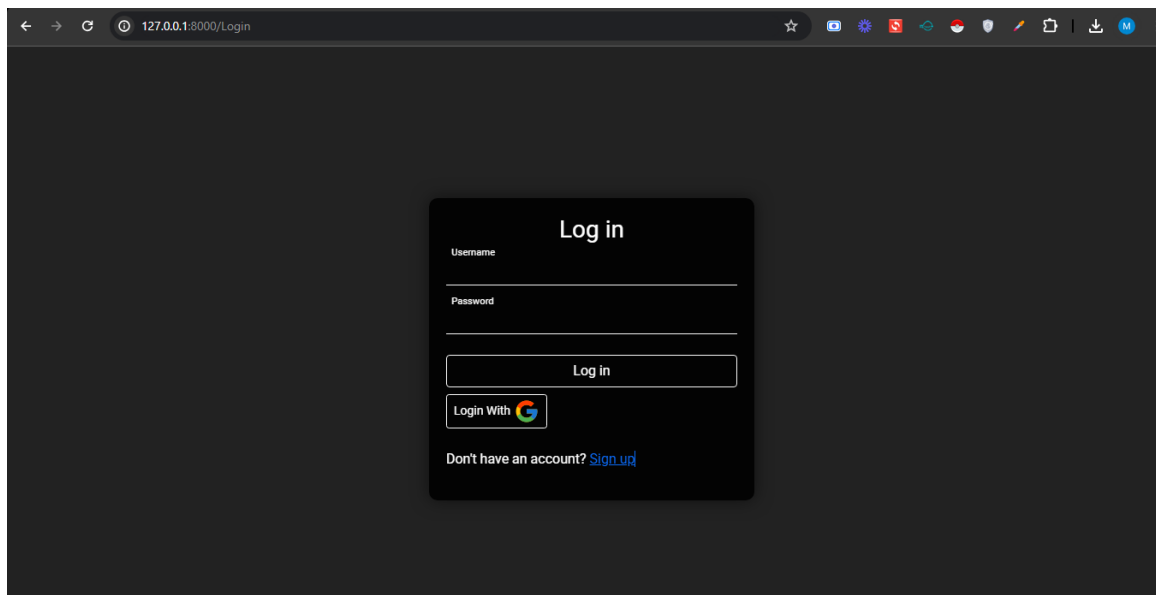


Figure 1: Login Panel

Sign Up Section

Figure 2 The sign-up page of the CricVision website is designed to allow users to create their accounts and gain access to the features and functionalities. The page typically includes a registration form where users can enter their personal information or sign up using their Gmail accounts.

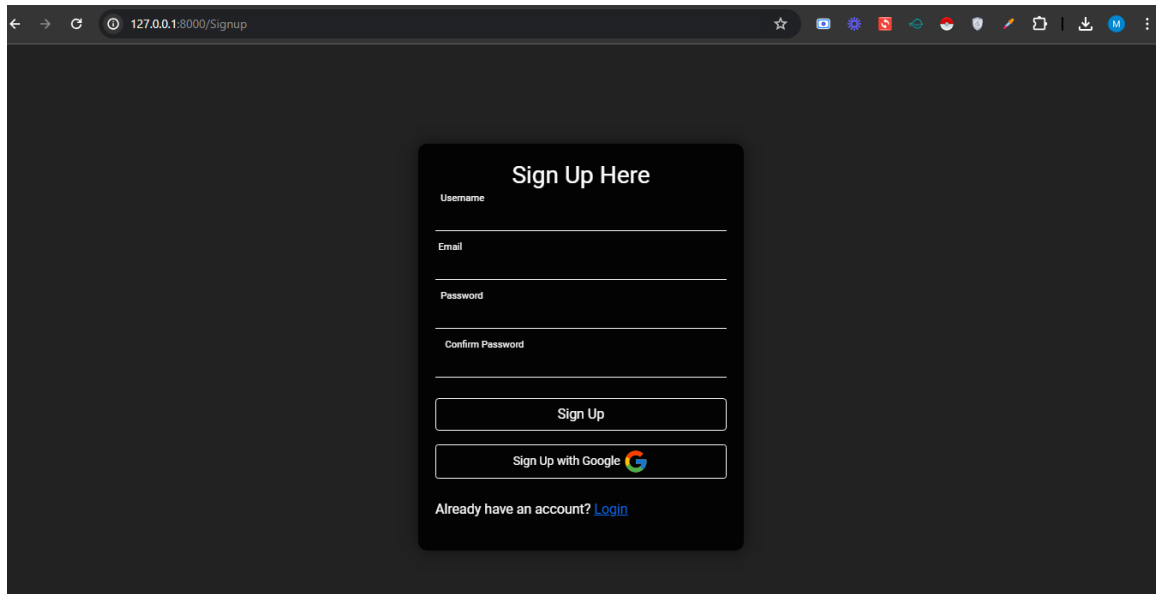


Figure 2: Sign Up Panel

Home Page

Figure 3 The homepage of the CRICVISION website serves as the main landing page for users. It provides a visually appealing design with intuitive elements, allowing users to quickly find relevant information and engage with the website's offerings.

Player Analysis Module

Figure 4 The interface allows users to compare players, identify their strengths and weaknesses, and make informed decisions while selecting players for their teams. With interactive visualizations and insights, the player performance analysis empowers users to into the nuances of players' performances, aiding in strategic decision-making and enhancing cricket understanding.

Team Finalization

Figure 5 The interface allows users to select and finalize their preferred team lineup for a cricket match. Users can choose players from a given pool of available players and assign them to specific positions in the team.

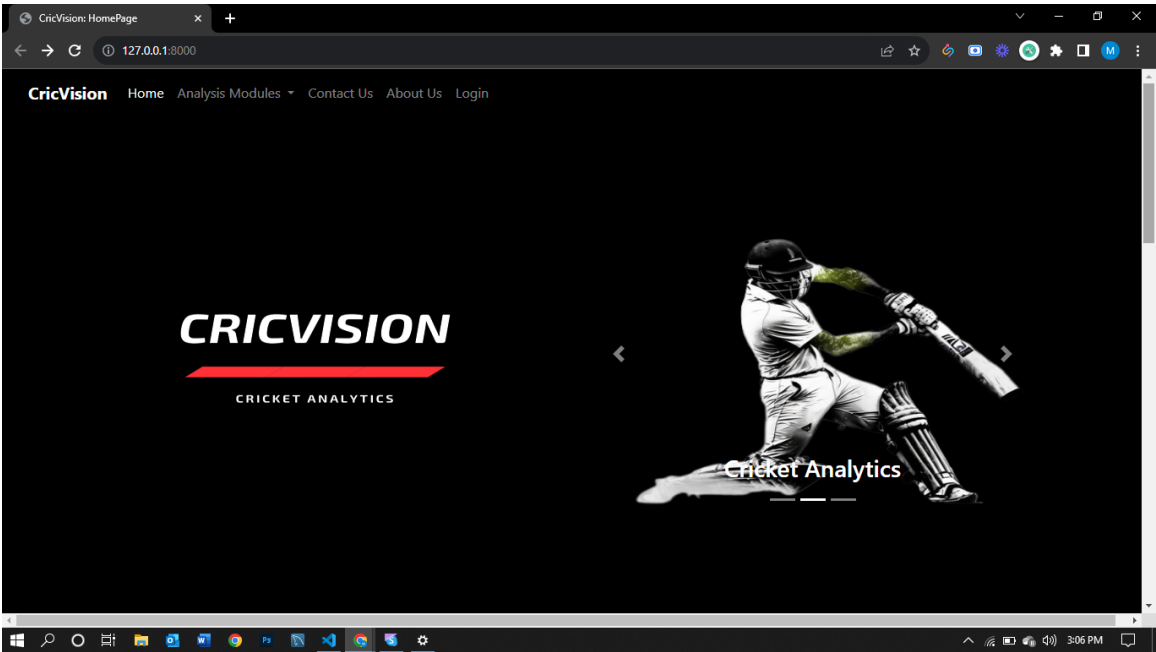


Figure 3: Homepage



Figure 4: Player Analysis Module

Pressure Analysis

Figure 6 The Pressure Analysis allows user to likely refers to the analysis of cricket players' performances under different pressure situations during a match. In cricket, pressure situations arise from various game conditions and can significantly impact both player performance and match outcomes.

Player Analysis

Final 11

Select your Final 11

Search

- ☐ Aaron Finch
- ☐ Aayan Afzal Khan
- ☐ Adam Zampa
- ☐ Adil Rashid
- ☐ Afif Hossain
- ☐ Ahmed Raza
- ☐ Aiden Markram
- ☐ Akeal Hosein
- ☐ Alex Hales
- ☐ Alishan Sharafu
- ☐ Alzarri Joseph
- ☐ Andy Balbirnie
- ☒ Anrich Nortje
- ☐ Arshdeep Singh
- ☐ Aryan Lakra
- ☐ Ashton Agar
- ☐ Asif Ali

Player's Name	Image	Team	Batting Style	Playing Role	Bowling Style	Batting AVG.	Batting S/R	Economy	Bowling S/R	Bowling AVG.	Custom Batting Order
Jos Buttler		England	Right hand Bat	Wicketkeeper Batter		45.00	144.23				1
Rilee Rossouw		South Africa	Left hand Bat	Top order Batter	Right arm Offbreak	35.35	169.88				2
Virat Kohli		India	Right hand Bat	Top order Batter	Right arm Medium	98.67	136.41				3
Suryakumar Yadav		India	Right hand Bat	Batter	Right arm Medium, Right arm Offbreak	59.75	189.68				4
Glenn Phillips		New Zealand	Right hand Bat	Wicketkeeper Batter	Right arm Offbreak	40.20	158.27				5

Team Performance

39.60
Batting Avg

154.54
Strike rate

19.71
Average Balls Faced

14.12
Bowling Avg.

13.09
Bowling S/R

6.47
Economy

41.15%
Dot ball %

Figure 5: Team Finalization

Pressure Analysis

Determine the best option batsman for the situation

CricVision Insights and Visualization is a cutting-edge platform that provides comprehensive analysis and visual representations of cricket matches. It leverages advanced data analytics and interactive visuals to offer valuable insights into player performance, team strategies, and match outcomes, enhancing the viewing experience for cricket enthusiasts and professionals alike.

Team 1:
 Select Team 1

Team 2:
 Select Team 2

Balls Remaining:

Runs Required:

Players Remaining to Bat (one per line):

Submit

Figure 6: Pressure Analysis

Pressure Analysis

Figure 7 It focuses on creating visualizations and data models to understand and predict how players and teams react and perform under various pressure scenarios.

Data Analysis and Visualization

Figure 8 The Data Analysis and Visualization module, as envisioned for cricket, is a comprehensive tool designed to deliver extensive statistical insights and graphical rep-

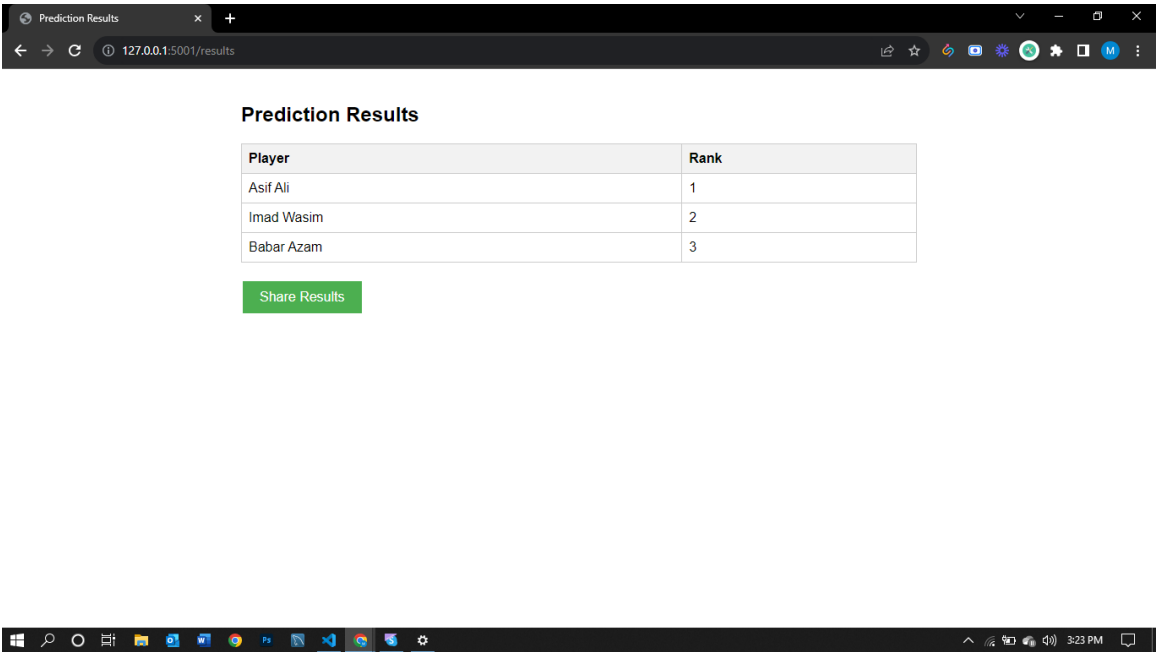


Figure 7: Pressure Analysis Ranks

resentations of cricket data across various formats, including Test matches, One Day Internationals (ODIs), and Twenty20 (T20). Covering data from 2000 to 2022.

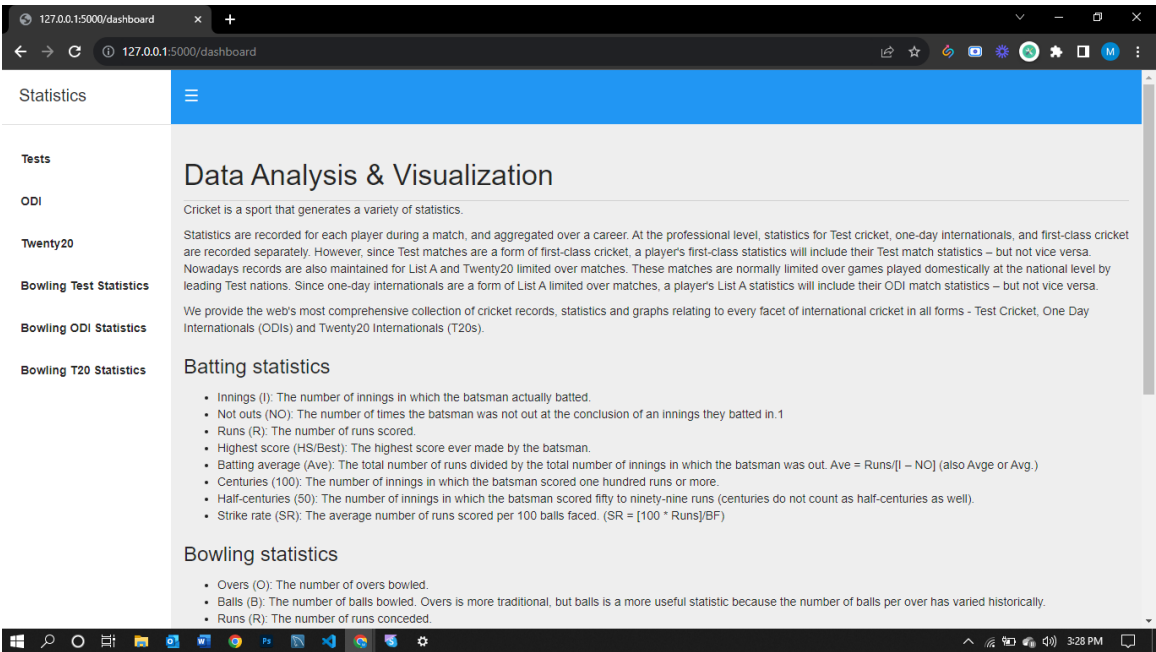


Figure 8: Data Analysis and Visualization

Compare Performances

Figure 9 The Compare performance interface displays a graph from a cricket analytics webpage, showcasing various performance metrics of batsmen. Different colored lines represent each statistic, making it easier to compare players' performances visually.

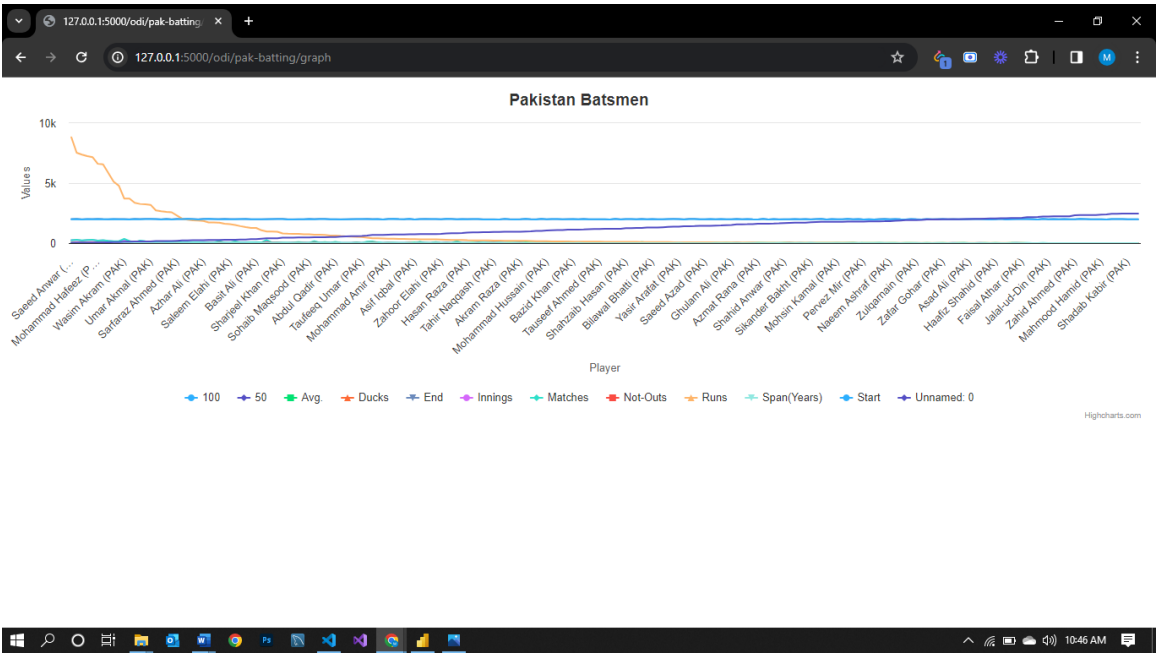


Figure 9: Compare Performance

Match Statistics

Figure 10 The match statistics interface presents a details batting statistics table for Pakistani cricketers, including data on matches play, innings, not-outs, total runs scored, highest scores, batting averages, balls face, strike rates, centuries, half-centuries, ducks, and their playing span in years.

PLAYER	SPAN	MATCHES	INNINGS	NOT-OUTS	RUNS	HIGHEST-SCORE	AVG.	BALLS FACED	SR	100'S	50'S	DUCKS	NATION	START	END	SPAN(YEARS)
Saeed Anwar (PAK)	1989-2003	247	244.0	19.0	8824.0	194	39.21	10938	80.67	20.0	43.0	15.0	PAK	1989	2003	14
Shoaib Malik (PAK)	1999-2019	287	258.0	40.0	7534.0	143	34.55	9199	81.9	9.0	44.0	15.0	PAK	1999	2019	20
Javed Miandad (PAK)	1975-1996	233	218.0	41.0	7381.0	119*	41.70	11014	67.01	8.0	50.0	8.0	PAK	1975	1996	21
Younis Khan (PAK)	2000-2015	265	255.0	23.0	7249.0	144	31.24	9628	75.29	7.0	48.0	22.0	PAK	2000	2015	15
Saleem Malik (PAK)	1982-1999	283	256.0	38.0	7170.0	102	32.88	9383	76.41	5.0	47.0	19.0	PAK	1982	1999	17
Mohammad Hafeez (PAK)	2003-2019	218	216.0	15.0	6614.0	140*	32.90	8633	76.61	11.0	38.0	19.0	PAK	2003	2019	16
Ijaz	1986															

Figure 10: Match Statistics

Shot Selection

Figure 11 The Shot Selection analysis allows user to refer to decision-making process a batsman undergoes in choosing the appropriate type of shot to play in response to a particular delivery. Influenced by a variety of factors and is critical to the batsman's success at the crease.

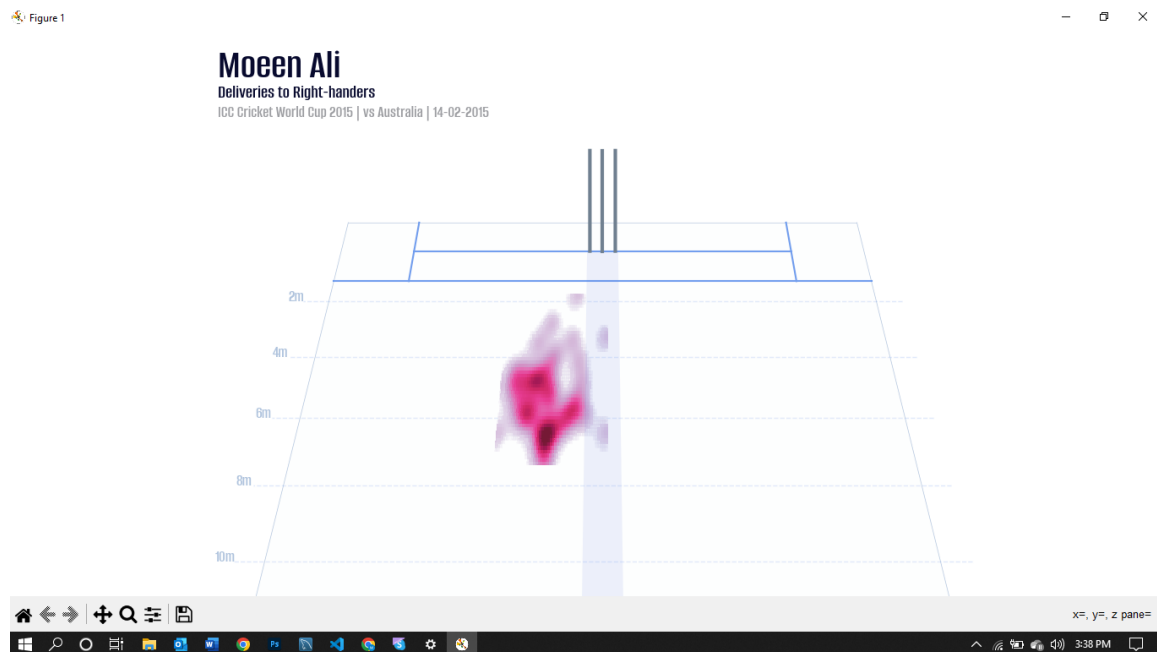


Figure 11: Shot Selection Analysis

Batting Shot Selection Analysis

Figure 12 The Shot Selection analysis allows user to refer to decision-making process a Bowler undergoes in choosing the appropriate type of balls to bowl in response to a particular delivery. The decision is influenced by a variety of factors and is critical to the batsman's success.

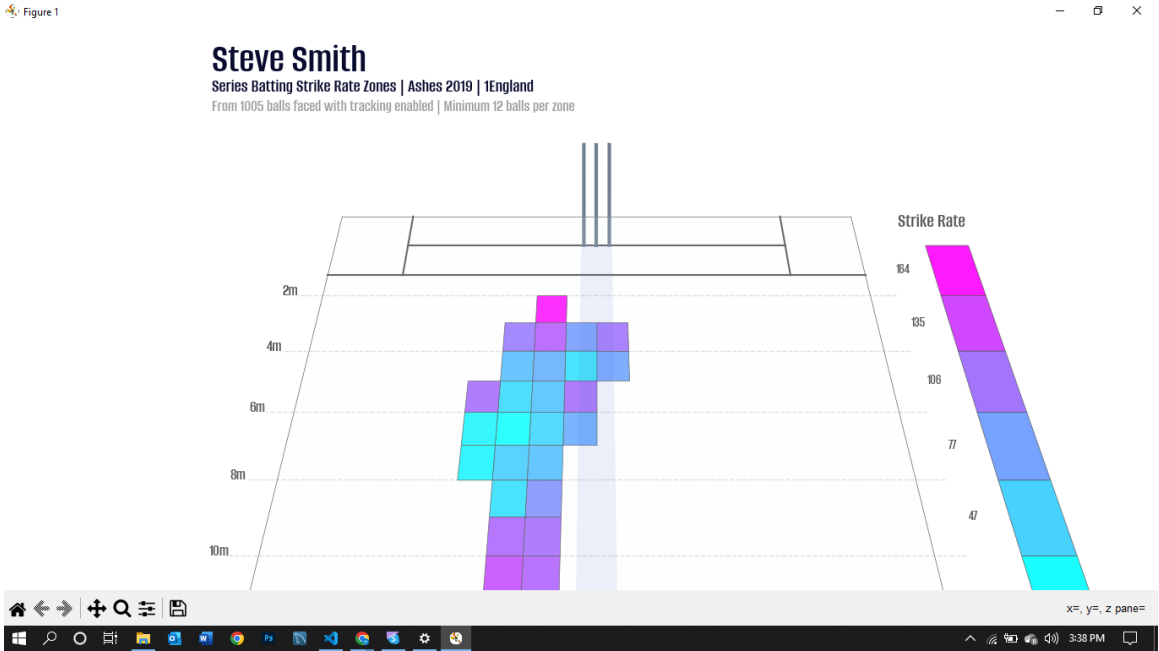


Figure 12: Batting Shot Selection