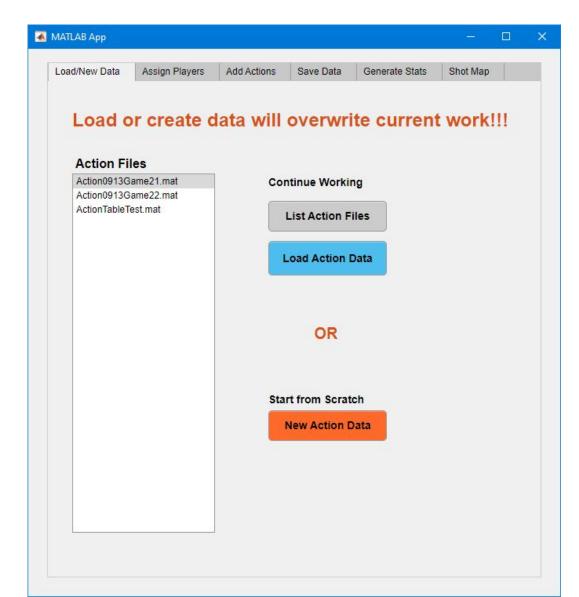
Overview: From Video to Stats



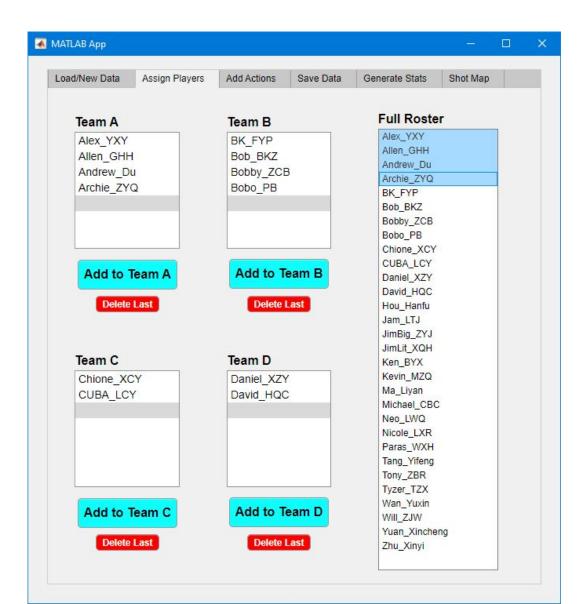
Tab 1: initiate GameActions variable

- Option 1: load from existing data file and continue working
 - [List Action Files] will show all data files that starts with "Action..."
 - [Load Action Data] will load the selected data file into workspace
- Option 2: create an empty variable
 - [New Action Data] will create an empty data table variable in workspace



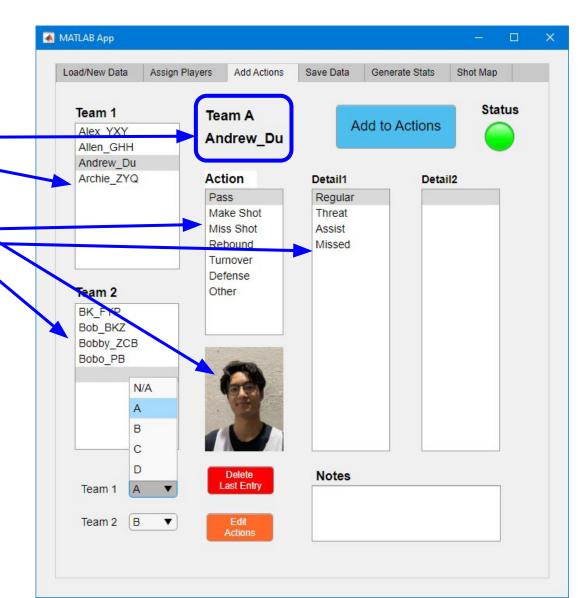
Tab 2: assign players to teams

- Select players from "Full Roster"
 - may multiselect with ctrl or shift
- [Add to Team X] will add selected names to Team X
- [Delete Last] will delete the last added player from Team X

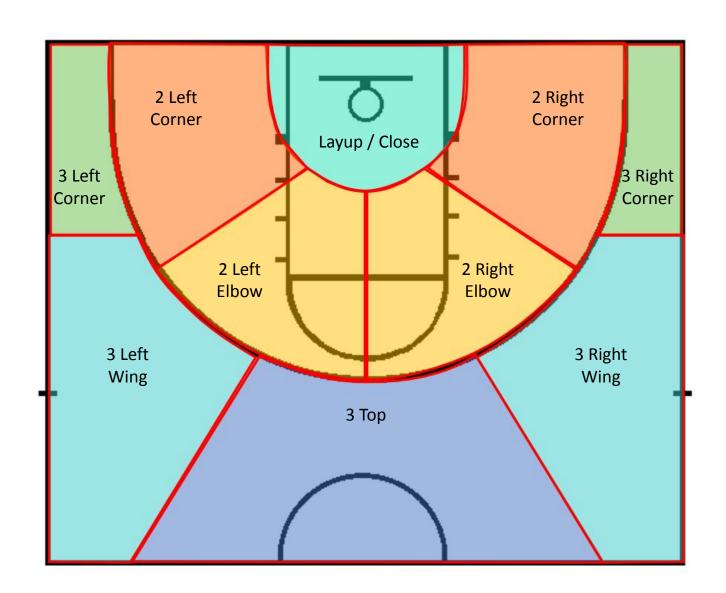


Tab 3: watch video and add game actions

- Select playing teams A-D
 - Names will be pulled from Tab 2
- Select the player in action
 - Team, player name & picture will change based on selection
- Select action type and detail
- [Add to Action] will enter data
 - double check Team and Player name display
 - after "miss shot", auto select "rebound"
 - after "make shot", auto switch to other team
 - after "pass-assist", auto select "make shot"
 - after "turnover", auto switch to other team
 - [Delete Last Entry] will do what it says
 - [Edit Actions] will open the action table
- Status light will flash after [Add to Actions]

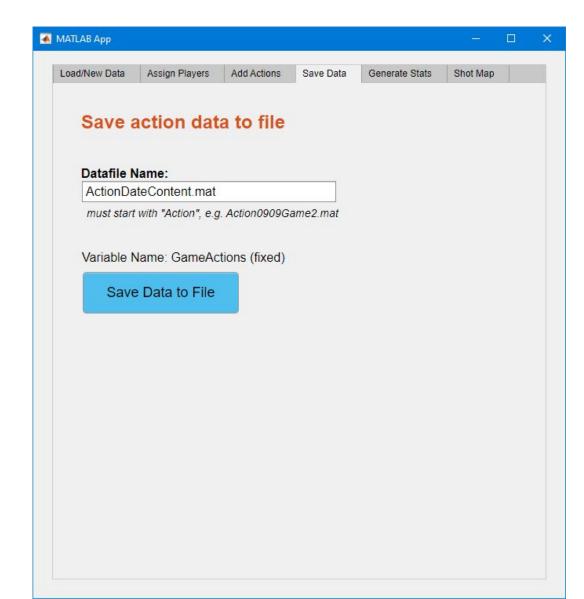


Reference: shooting zones



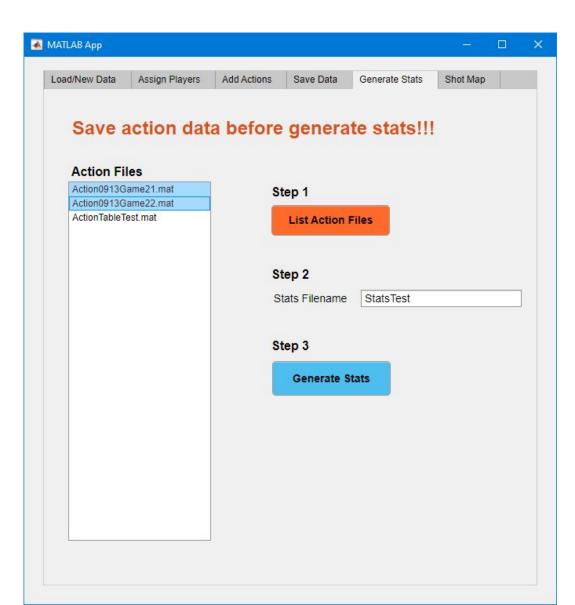
Tab 4: Save game actions to data file

- Start the filename with "Action..."
- Extension must be ".mat"
- [Save Data to File] will save
 "GameActions" variable to file in the
 "Data" folder



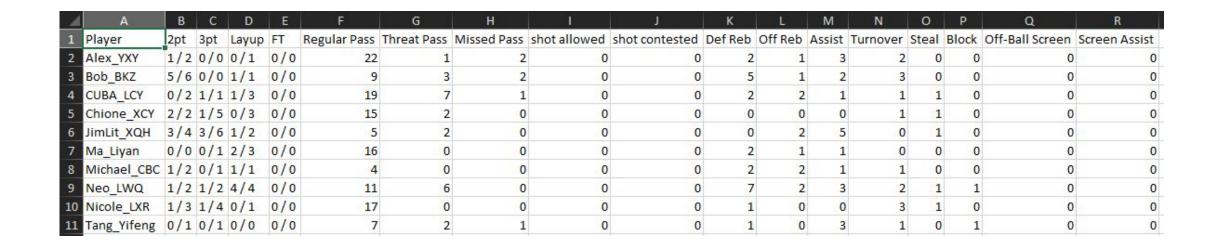
Tab 5: generate box-score stats

- [List Action Files] shows all files in "Data" folder that start with "Action"
 - Select multiple action files will combine all game actions and generate stats
- Specify the name of the stats file
 - Same name used in Tab 6 Shot map.
- [Generate Stats] will generate box-score for each player
- Stats file saved to "Stats" folder
- This tab may run by itself without any inputs in Tabs 1-4



Tab 5: generate box-score stats

Sample stats output (.xlsx)



Tab 6: shot maps

- [List Action Files] shows all files in "Data" folder that start with "Action"
 - Select multiple action files will combine all game actions for shot map
- [Load Action Files] will load and combine data files and show player names in these data
- Select players and [Generate Shot Map] for shot maps
 - "All" for all players combined (teams)
 - multiselect to generate multiple maps
- Shot maps saved to "Stats" folder

