Functions and Explanations

1. **pitcher\_sum :** creates a short summary of a pitcher repertoire

**Arguments:**

1. PitcherId (required): this can be either the pitchers name or his trackman id. Name must be in same format as trackman
2. batterSide: ‘Left’ or ‘Right’
3. Date: subsets the data so you only see a summary of a specific date.
4. Semester: subsets the data so you see a summary of a certain semester
5. **Batter\_sum:** creates a short summary of a hitters performance

**Arguments:**

1. batterId (required): this can be either the batters name or his trackman id. Name must be in same format as trackman
2. PitcherThrows: ‘Left’ or ‘Right’
3. Date: subsets the data so you only see a summary of a specific date.
4. Semester: subsets the data so you see a summary of a certain semester
5. **Spray\_chart:** plots all fair hits by a batter

**Arguments:**

1. batterId (required): this can be either the batters name or his trackman id. Name must be in same format as trackman
2. PitcherThrows: ‘Left’ or ‘Right’
3. **LA\_plot**: gives a histogram of a hitters launch angles

**Arguments:**

1. batterId (required): this can be either the batters name or his trackman id. Name must be in the same format as trackman
2. PitcherThrows: ‘Left’ or ‘Right’
3. Semester: subsets the data so you only see a summary of a certain semester
4. **Player\_heatmap**: gives a heatmap for a hitter or a pitcher of a specific stat

**Arguments:**

1. PlayerId(required): This can either be a pitcher or a hitter and it can be an id or a name. Must be in trackman format.
2. Measure(required or will default to ‘ExitSpeed’): ‘ExitSpeed’, ‘Frequency’,’Iso’
3. PitcherThrows: ‘Left’ or ‘Right’
4. BatterSide: ‘Left’ or ‘Right’
5. Semester: subsets the data so you only see a summary of a certain semester
6. Smooth(default is FALSE): allows you to pick between a smooth or a tile plot
7. **Pitcher\_counts:** gives a visualization of a players pitches by count

**Arguments:**

a). PitcherId: this can be either the pitchers name or his trackman id. Name must be in same format as trackman

b). BatterSide: ‘Left’ or ‘Right’

c). Semester: subsets the data so you only see a summary of a certain semester