

Formulae

Efficiency:
$$\frac{\overset{\text{PF}}{\text{total cups scored}} \rightarrow \overset{\text{PA}}{\text{total cups allowed}}}{\text{total cups available to be scored} \leftarrow \text{CA}}$$
 range: [-1, 1]

what does this mean? high points mean that you hit a lot of cups, give up fewer cups per match \rightarrow normalized by total cups available to be scored.

Expectation:
$$\overset{\text{S}}{\text{average normal seed}} + \frac{\text{table points per participated events} \leftarrow \text{PTS/EV}}{\text{max}(|\text{table points per participated events}|)}$$
 adjusted by current max average normal seed \rightarrow adjusted by current max of points per event

what does this mean? high points means you have a terrible seed, yet you still score perform well in an event range: [-2, 2]

Cutsiness:
$$\frac{\overset{\text{EW}}{\# \text{ of elimination wins}} - \overset{\text{EL}}{\# \text{ of elimination losses}}}{\# \text{ of elimination games played} \leftarrow \text{EGP}}$$
 range: [-1, 1]

what does this mean? high points mean that if you played an elimination game, you were more likely to play win that game

Upset by Match
$$\left[\frac{\overset{\text{d score}}{\text{adjusted difference in score}}}{\text{max}(|\text{adjusted difference in score}|)} - \frac{\overset{\text{d seeds}}{\text{adjusted difference in seeds}}}{\text{max}(|\text{adjusted difference in seeds}|)} \right] \times \frac{\overset{\text{TPC}}{\# \text{ of total possible cups for a player to hit}}}{6}$$
 adjusted by maximum possible difference $\Rightarrow 6$ \rightarrow adjusted by maximum possible seed for each event \rightarrow adjusted so that a match earns 1 points for 6 tpc: 0 redemption 1 1/2 points for 9 tpc: 1 redemption 2 points for 12 tpc: 2 redemption

range: (-20, 00)

what does this mean? high points means that that gives match featured two seeds in which the actual score was "hella" opposite, accounting for redemptions how many "games" worth of upset was this match?

range: [0, +20)

Upset by Player

let \mathcal{L}_w be games a player wins,
$$\sum_{i \in \mathcal{L}_w} \text{abs}(\text{upset}_i)$$

Cinderella

$$\frac{\overset{\text{SOS}}{\text{strength of seed}}}{\text{max}(\text{strength of seed})} + \frac{\overset{\text{SOV}}{\text{strength of victory}}}{\text{max}(\text{strength of victory})}$$
 adjusted by current maximum SOS \rightarrow adjusted by current maximum SOV range: [0, 2]

what does this mean? high points means that you have both faced opponents with high seeds and you beat them!

