Ice Position

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The Idea

Can players affect their team results by gaining or losing territory?
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- Not really.
Shift recap

- Some shifts start on faceoffs in OZ, NZ, or DZ.
- Some shifts start on-the-fly.
- Not every faceoff is a shift start.
- On-the-fly starts cannot be separated by previous puck location.
Neutral zone faceoffs are boring
On-the-fly dominates starts and ends

NHL Shift starts and Ends, 2007-2015

Starting Zone

Ending Zone

- O
- N
- D
- F

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<th>Ending Zone</th>
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34%
Footprint

For each player we calculate a *footprint* by comparing

- Typical shot rate from shifts starting where a given player’s shifts end; vs
- Typical shot rate from shifts starting where a typical team members’s shifts *would* end if they were deployed like the player in question.
Relative Footprint, Toronto 2015-2016

Player Traces, WSH 1415, 100 Shift Minimum

Shots* per 60 minutes (against, inverted scale)

Shots* per 60 minutes (for)
Team-relative year-to-year

Year-to-year Impact, Skaters remaining with team, 2007-2015
Team-relative year-to-year ($r = -0.02$)
Thanks!