

Moneyball

Final Project Presentation

NEU CS7290 - Fall 2020

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Introduction: Moneyball



Average Player: **0** - €**28k** / Week



Lionel Messi: €**565k** / Week

20x

Wage Difference Between Top Player & Average Player

About Data

Recently Viewed

 FIFA 21 complete play...

 FIFA 20 complete play...

 Analyzing FIFA

 Fifa20 Player Value Pre...

 Easiest way to downlo...

 Dataset


384

FIFA 20 complete player dataset

18k+ players, 100+ attributes extracted from the latest edition of FIFA



Stefano Leone • updated a year ago (Version 1)

[Data](#) [Tasks](#) [Notebooks \(79\)](#) [Discussion \(8\)](#) [Activity](#) [Metadata](#)

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New Notebook

 Usability 10.0

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 Tags online communities, video games, football

Description

Context

The datasets provided include the players data for the Career Mode from FIFA 15 to FIFA 20 ("players_20.csv"). The data allows multiple comparison of the same players across the last 6 version of the videogame.

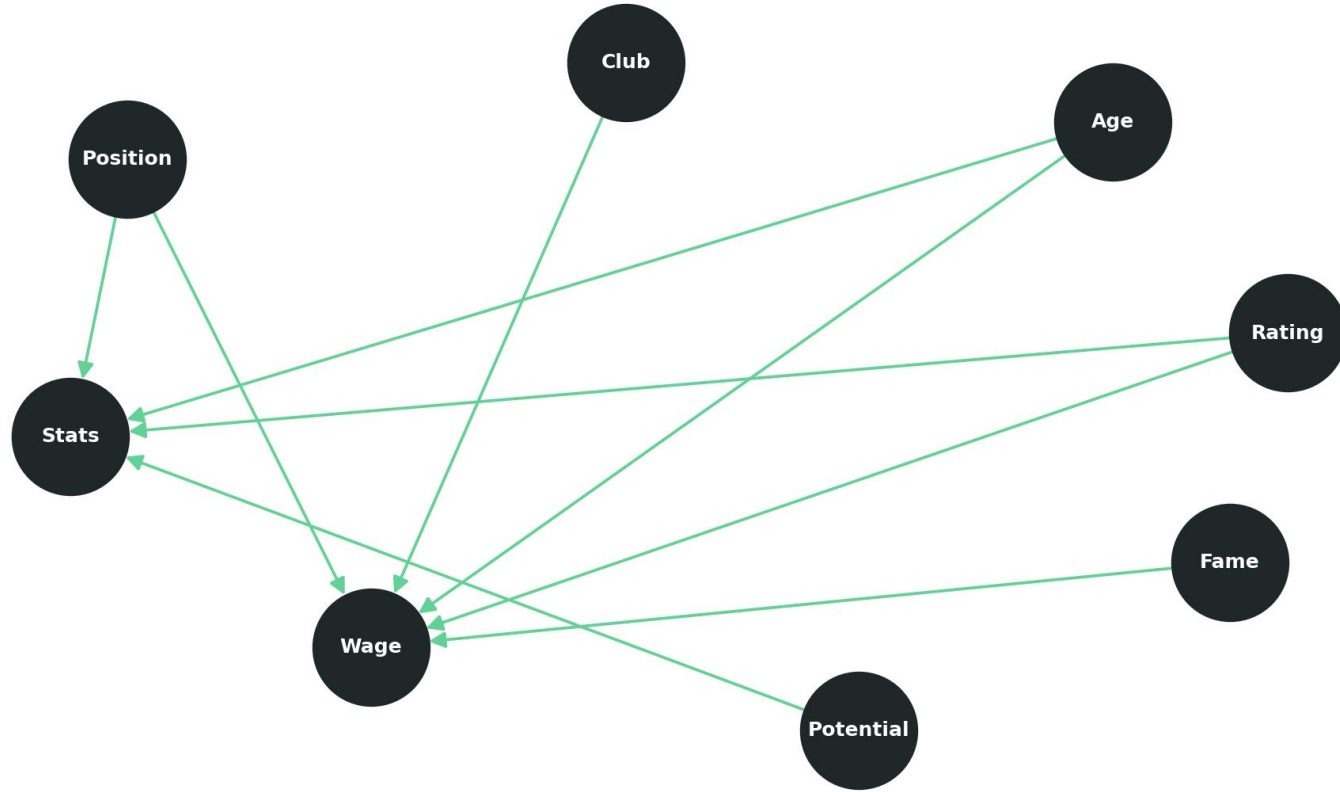
Some ideas of possible analysis:

- Historical comparison between Messi and Ronaldo (what skill attributes changed the most during time - compared to real-life stats);
- Ideal budget to create a competitive team (at the level of top n teams in Europe) and at which point the budget does not allow to buy significantly better players for the 11-men lineup. An extra is the same comparison with the Potential attribute for the lineup instead of the Overall attribute;
- Sample analysis of top n% players (e.g. top 5% of the player) to see if some important attributes as Agility or BallControl or Strength have been popular or not

17,700 Players
104 Attributes

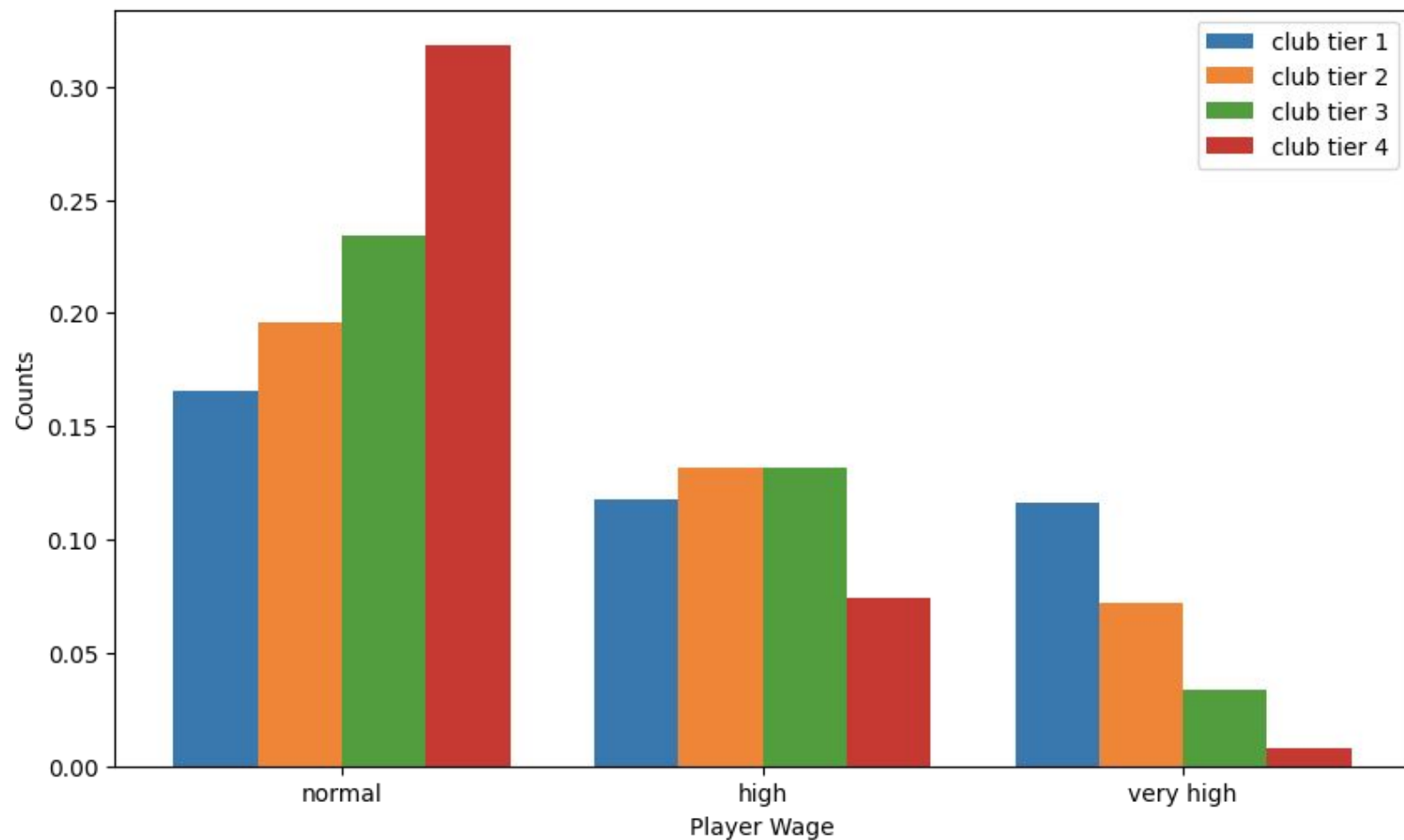
Dates Range 2016 - 2019

Causal Model DAG

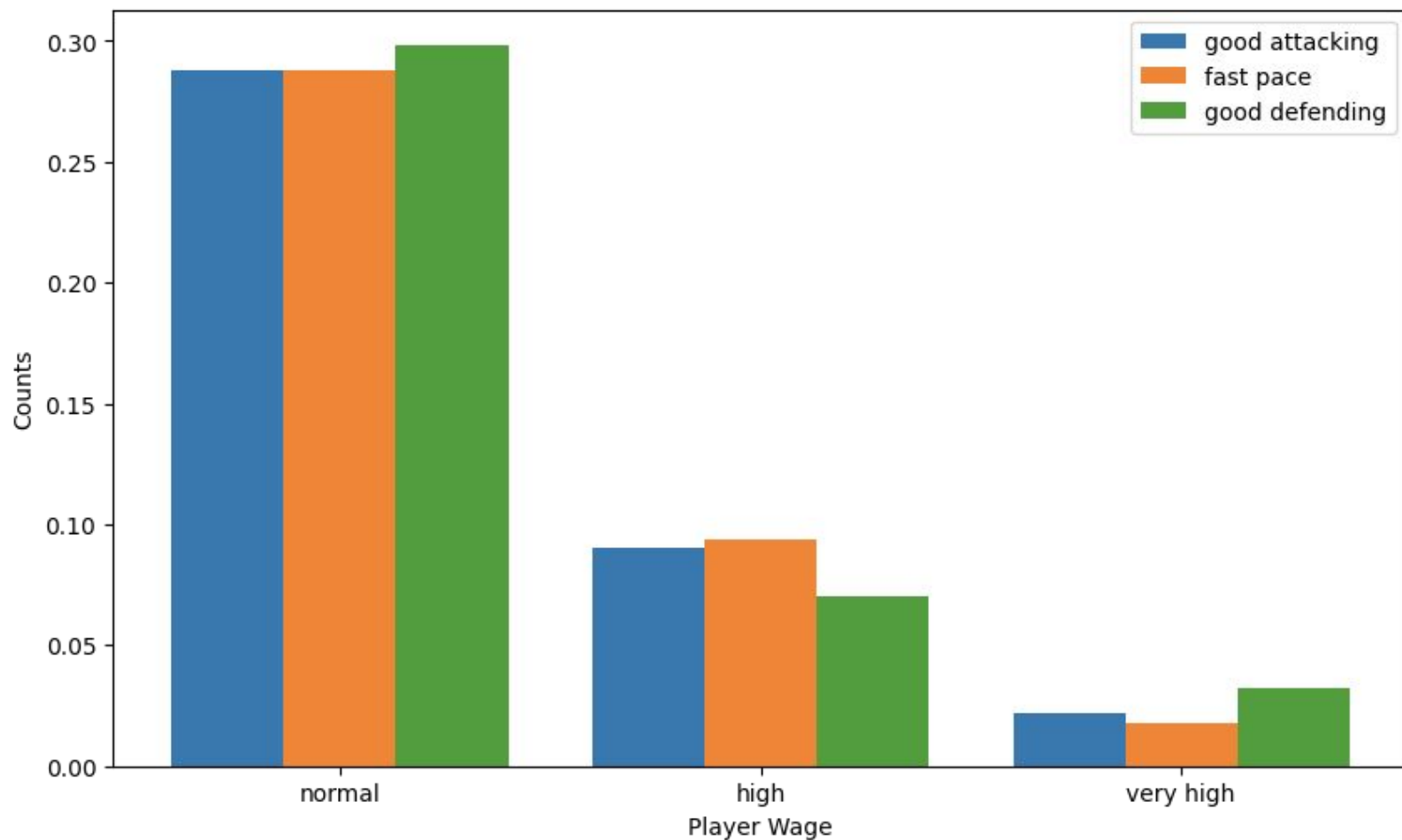


Key Findings - Intervention

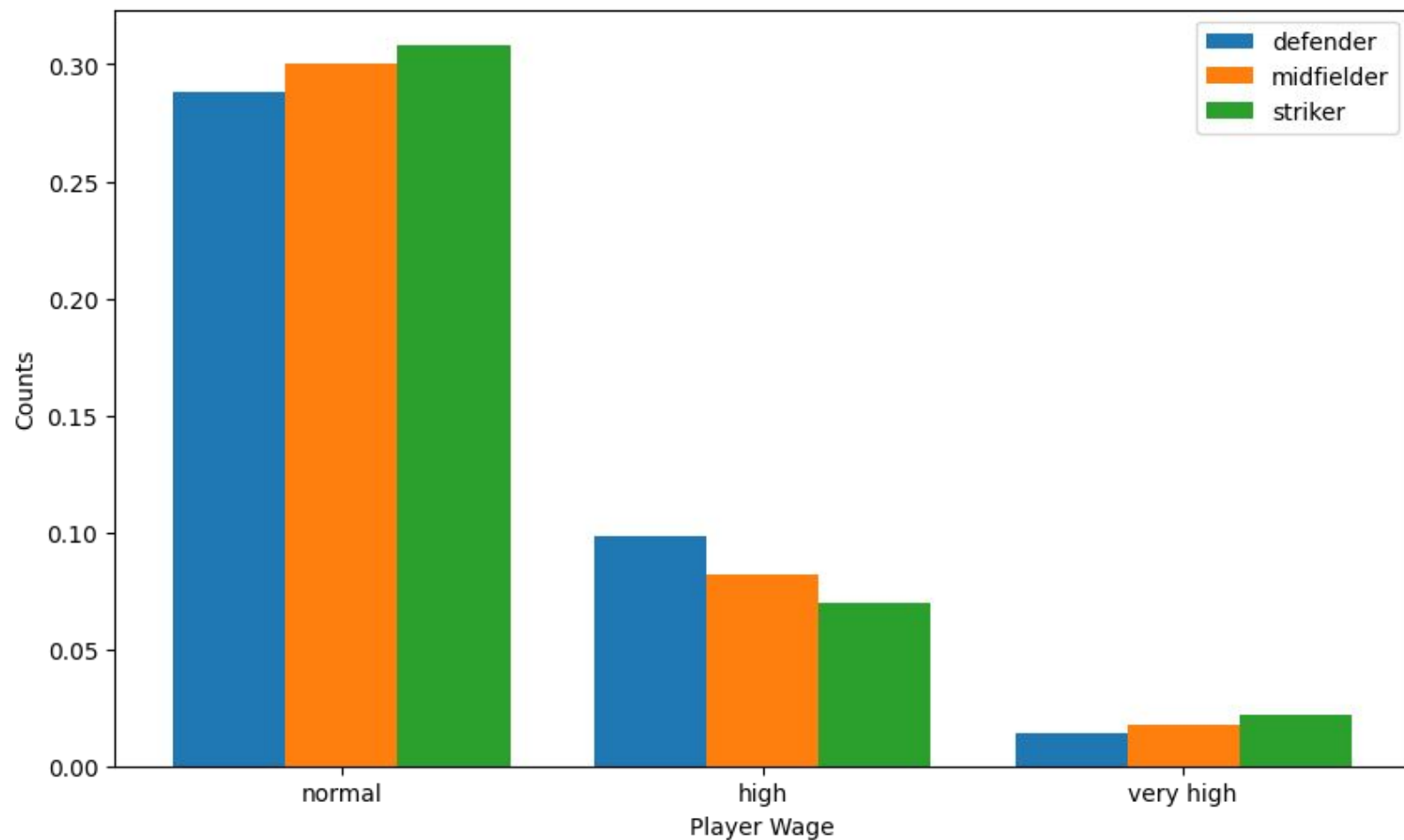
Intervene on club tier



Intervene on individual stats

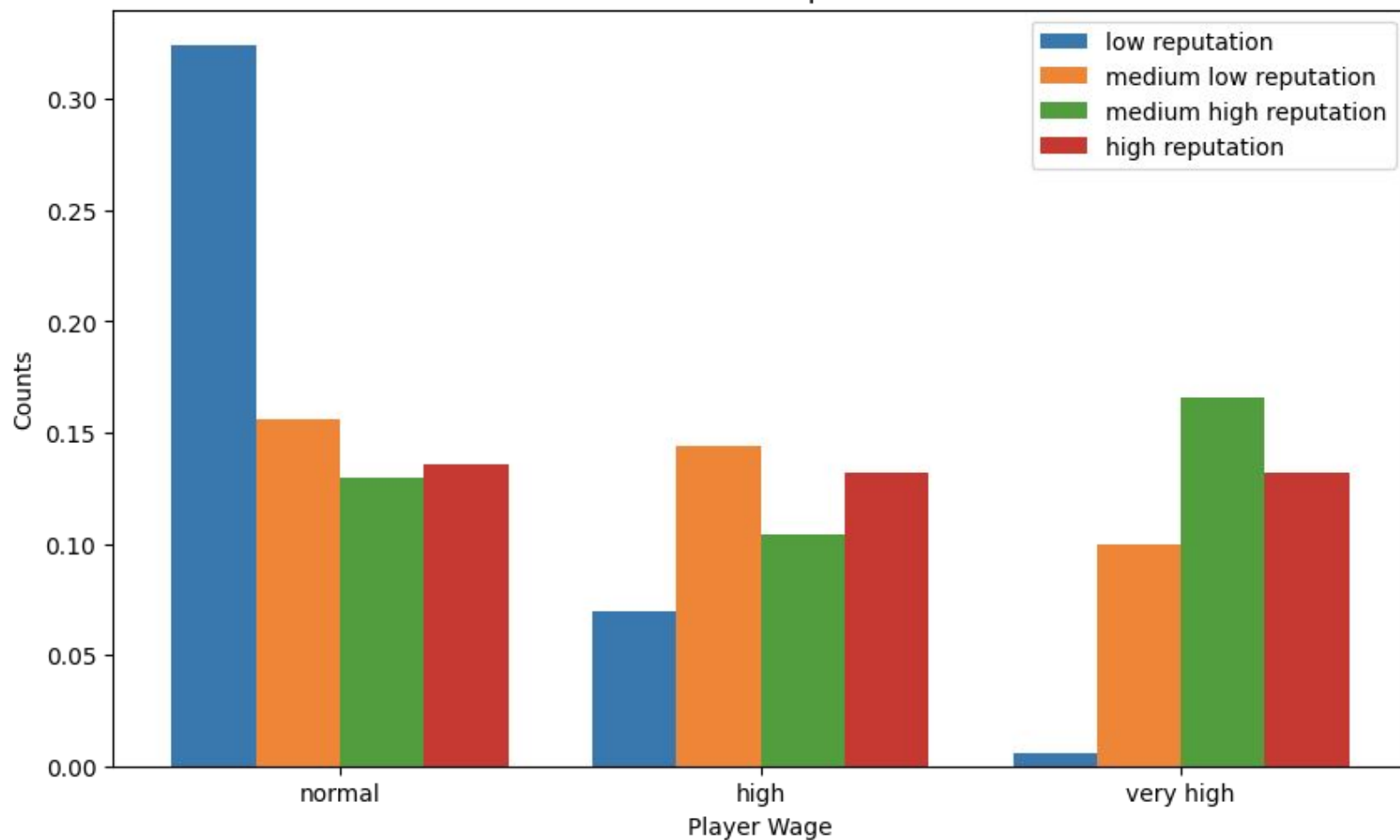


Intervene on Position

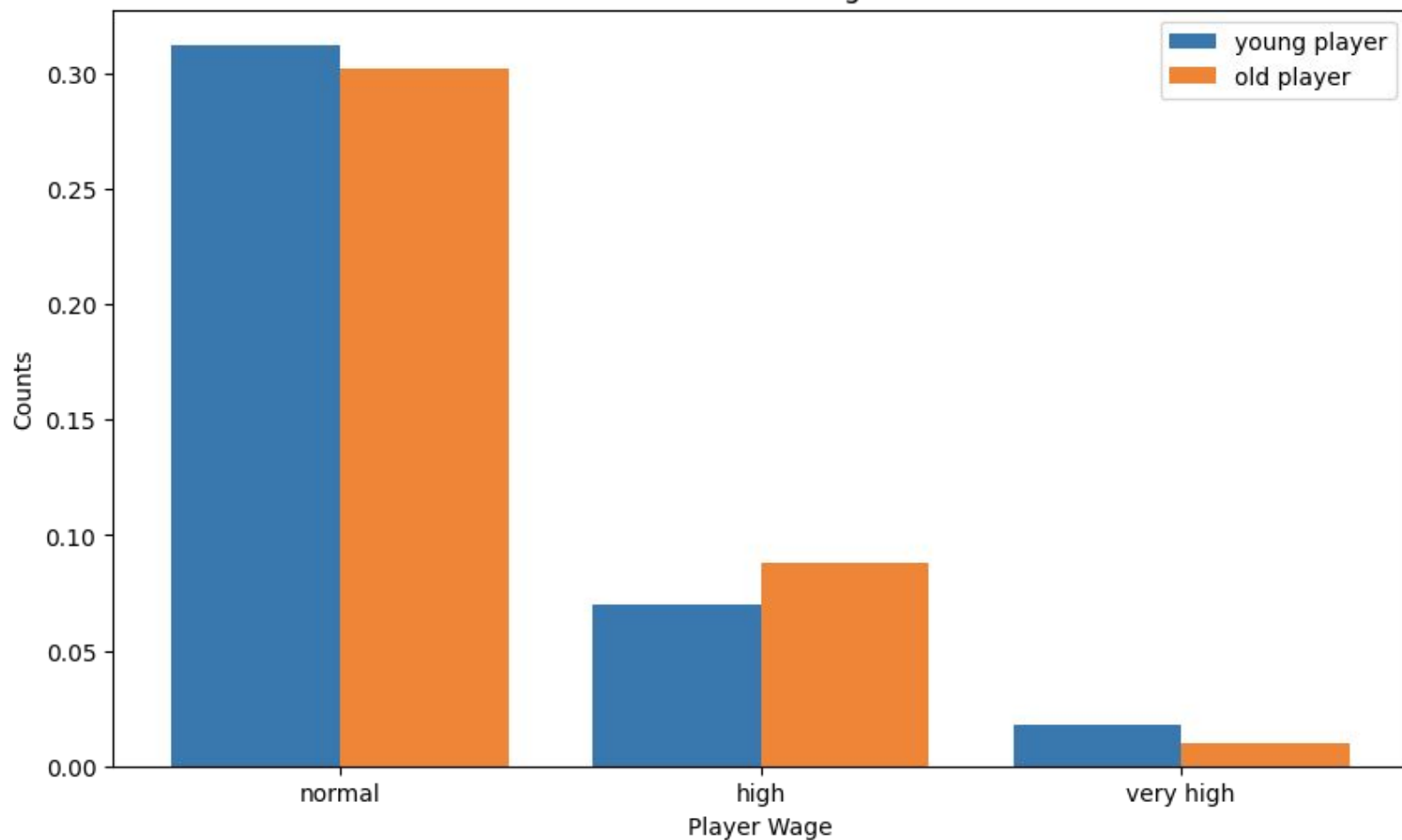


Key Findings - Conditional Exploration

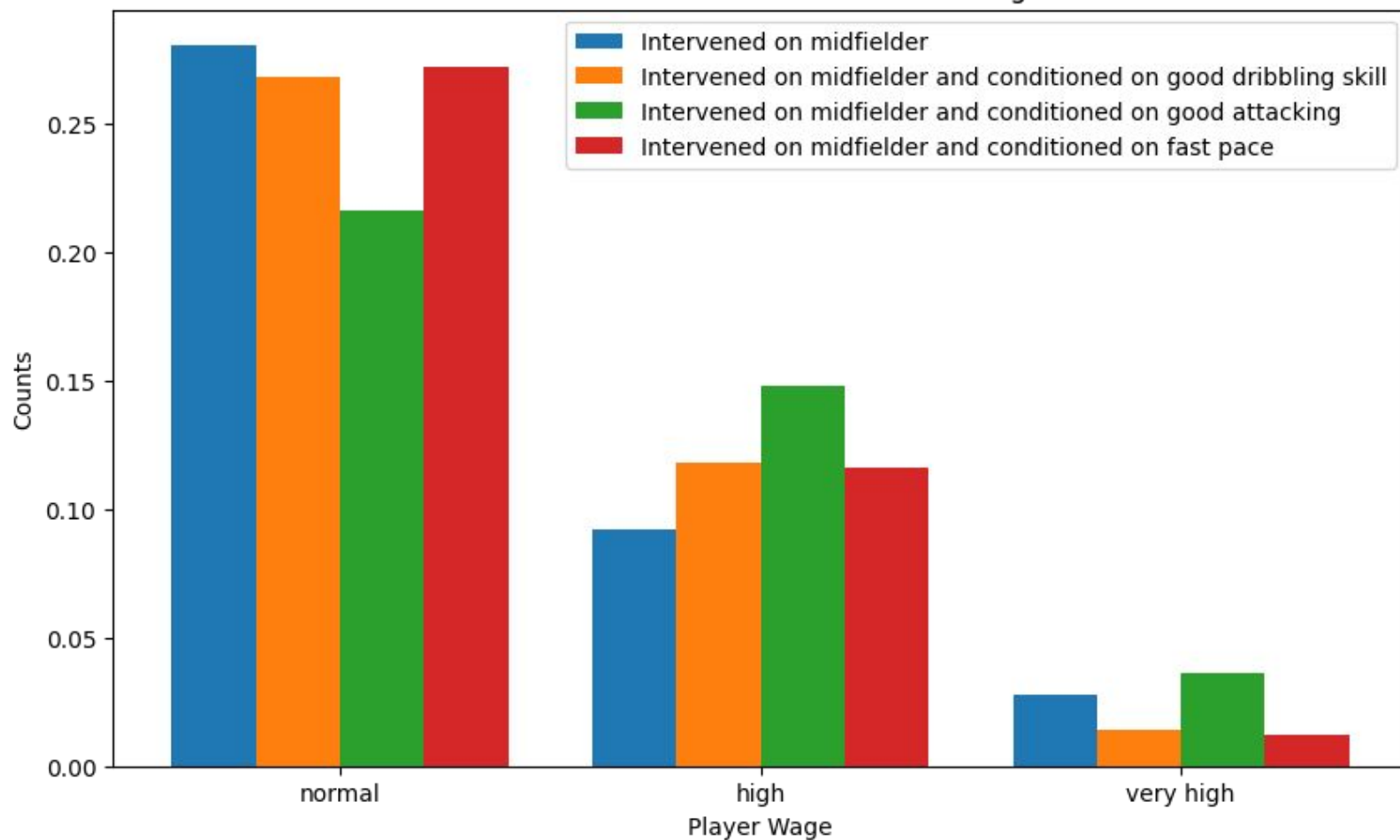
Condition on reputation



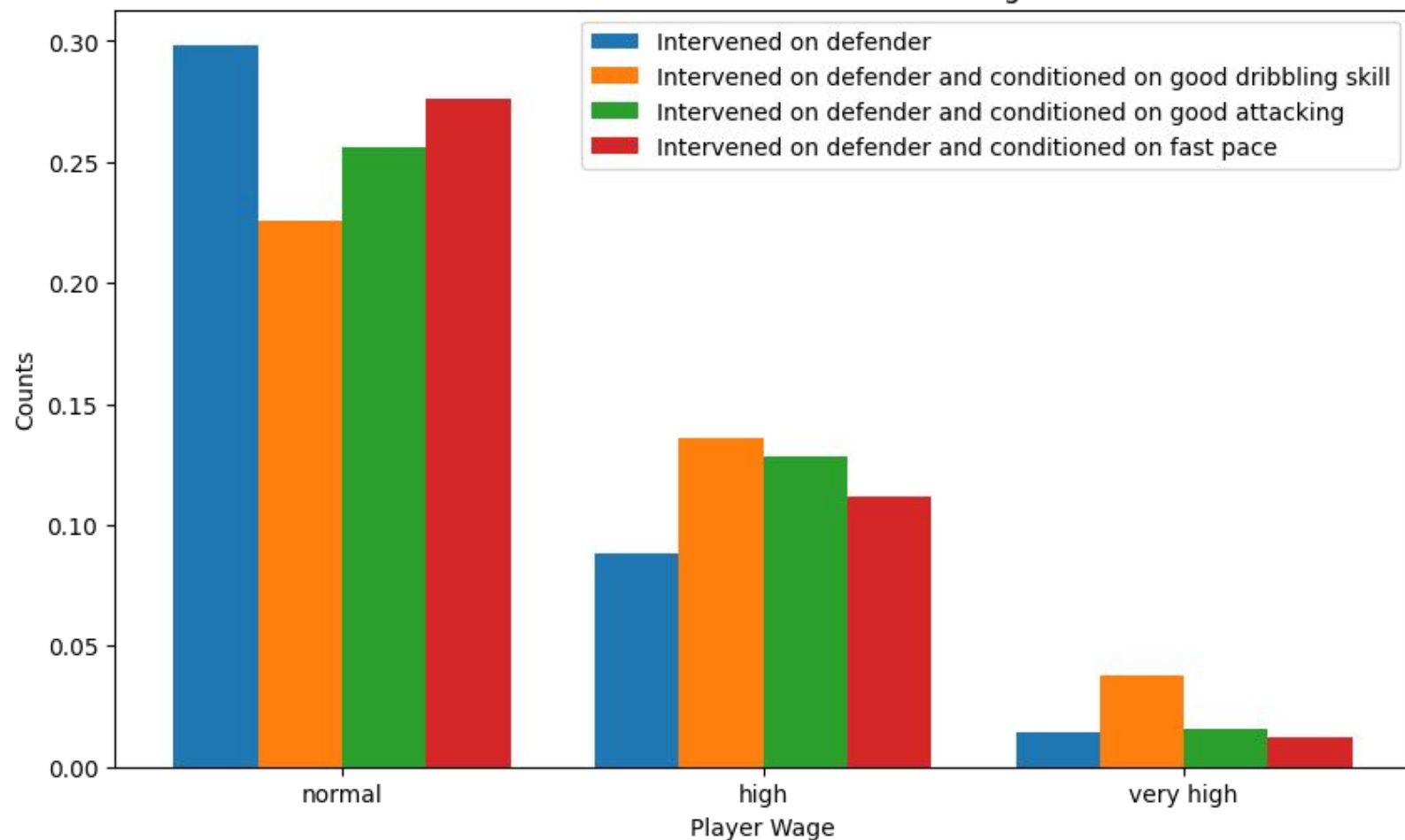
Condition on age



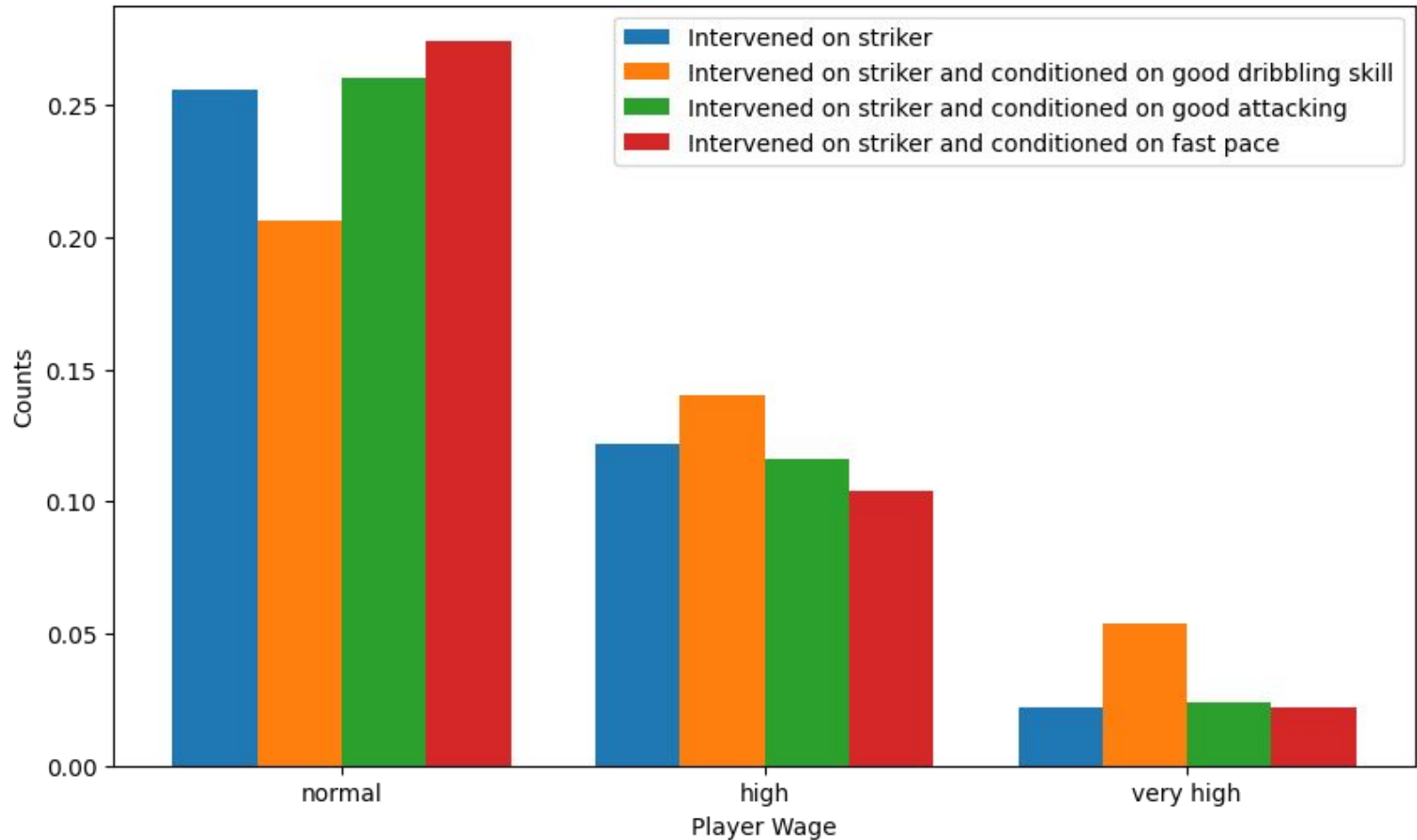
Intervene on midfielder and condition on single stats



Intervene on defender and condition on single stats



Intervene on striker and condition on single stats



The End - Thank You!
