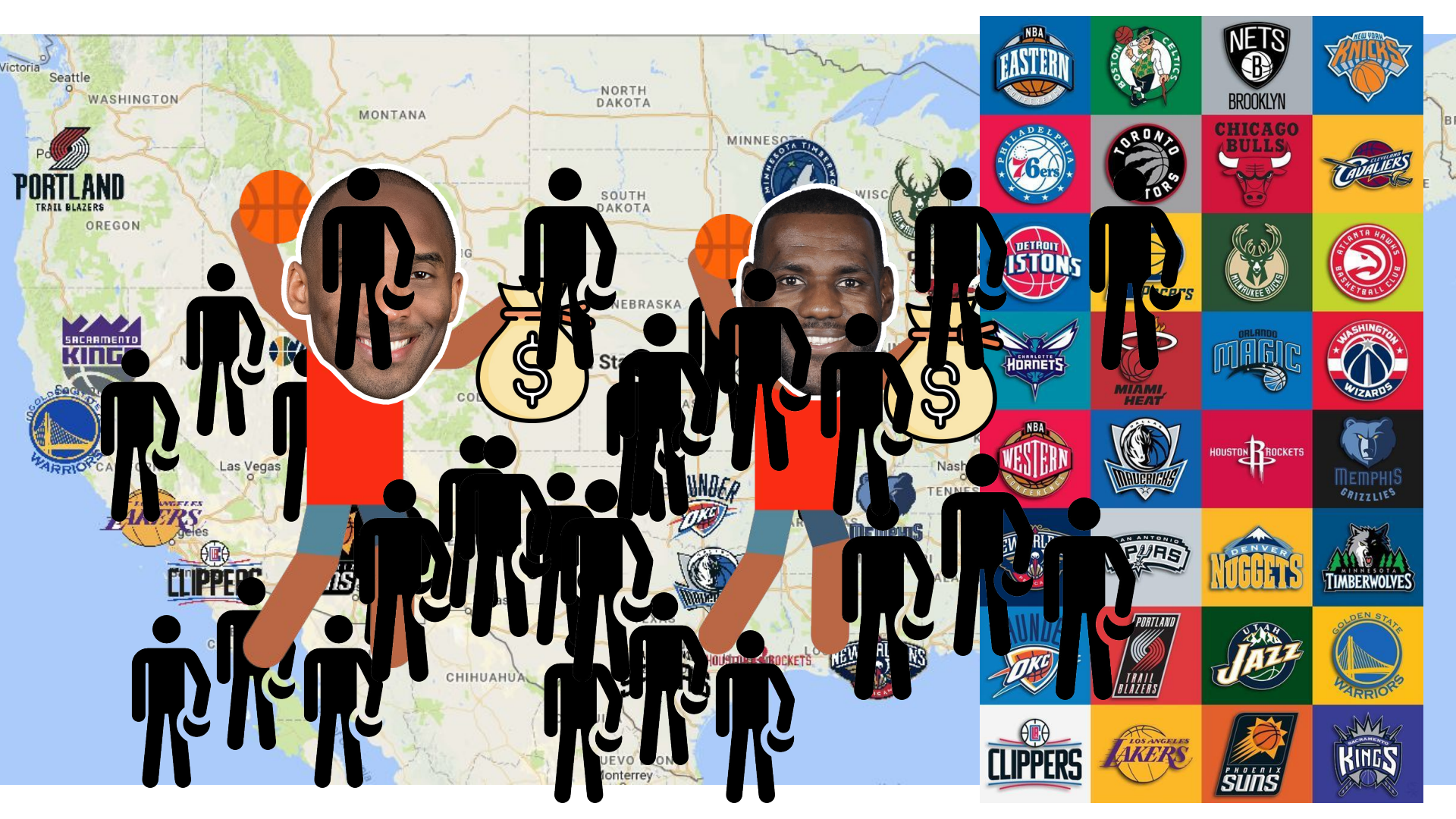
# NBA Career Length Projection

## Predicting Length of Players' Careers with Machine Learning

By Nick Pardue

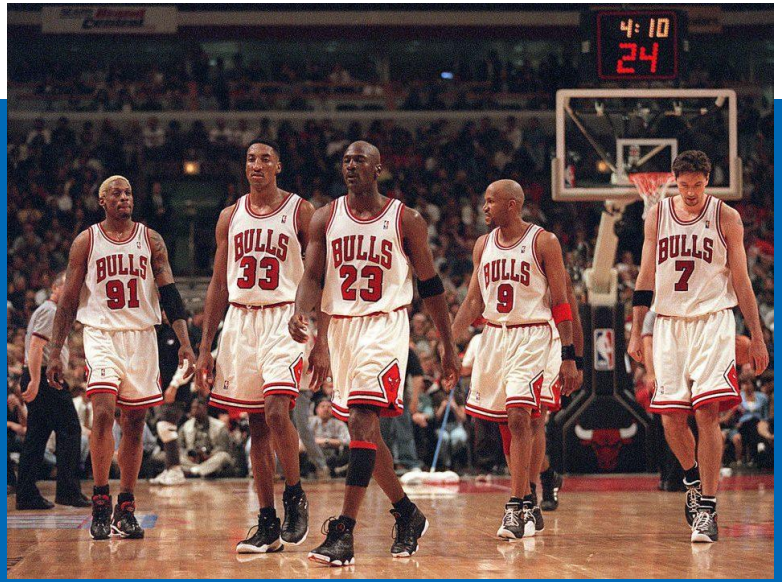

Victoria
Seattle
WASHINGTON
MONTANA
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
OREGON
PORTLAND TRAIL BLAZERS
SACRAMENTO KINGS
GOLDEN STATE WARRIORS
Las Vegas
LOS ANGELES LAKERS
LOS ANGELES CLIPPERS
OKLAHOMA CITY THUNDER
DALLAS MAVERICKS
MEMPHIS GRIZZLIES
HOUSTON ROCKETS
NEW ORLEANS PELICANS
CHIHUAHUA
Monterrey
NBA EASTERN CONFERENCE
BOSTON CELTICS
BROOKLYN NETS
NEW YORK KNICKS
PHILADELPHIA 76ers
TORONTO RAPTORS
CHICAGO BULLS
CLEVELAND CAVALIERS
DETROIT PISTONS
MILWAUKEE BUCKS
ATLANTA HAWKS
CHARLOTTE HORNETS
MIAMI HEAT
ORLANDO MAGIC
WASHINGTON WIZARDS
NBA WESTERN CONFERENCE
DALLAS MAVERICKS
HOUSTON ROCKETS
MEMPHIS GRIZZLIES
NEW ORLEANS PELICANS
SAN ANTONIO SPURS
DENVER NUGGETS
MINNESOTA TIMBERWOLVES
OKLAHOMA CITY THUNDER
PORTLAND TRAIL BLAZERS
UTAH JAZZ
GOLDEN STATE WARRIORS
LOS ANGELES CLIPPERS
LOS ANGELES LAKERS
PHOENIX SUNS
SACRAMENTO KINGS

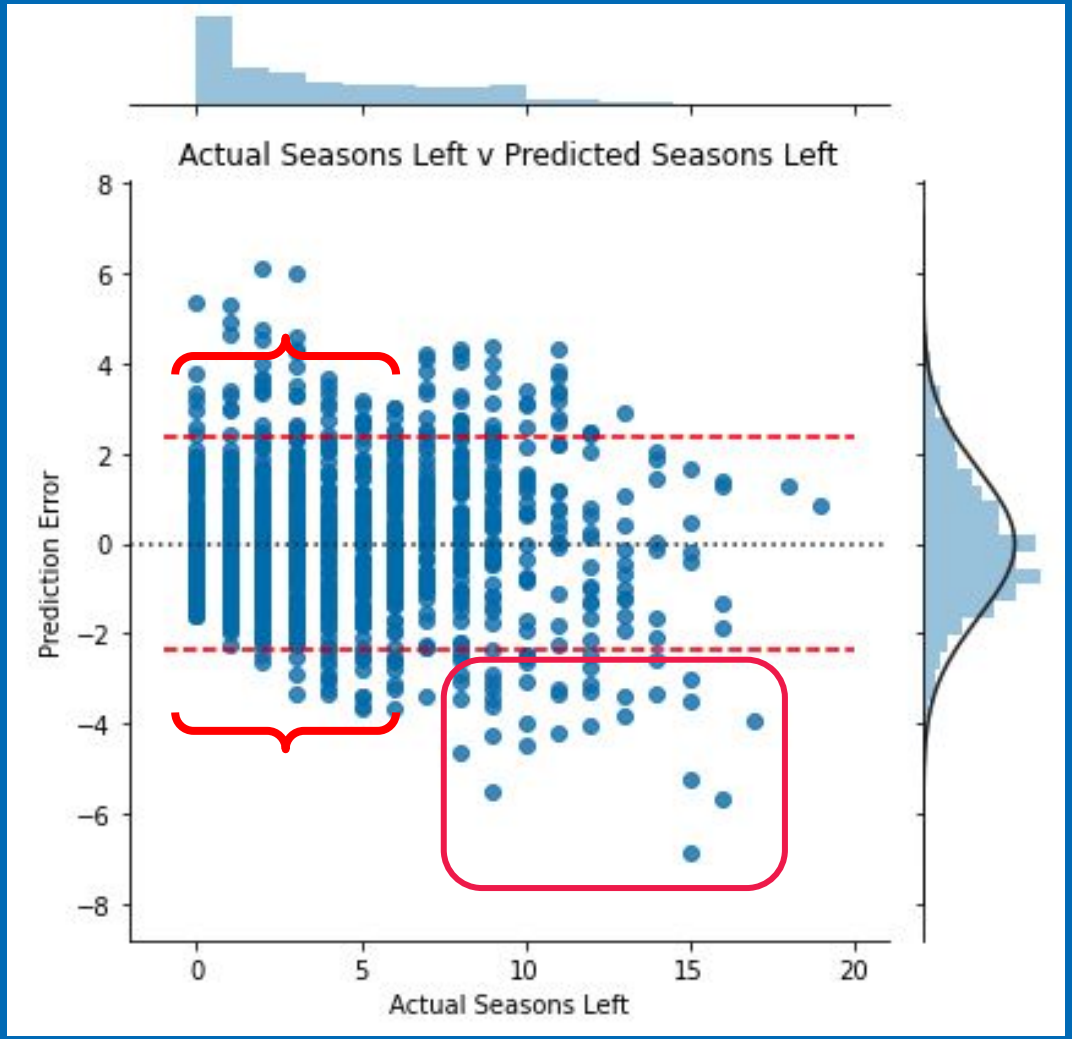
#BHM

ROCKETS

BASKETBALL REFERENCE

kaggle



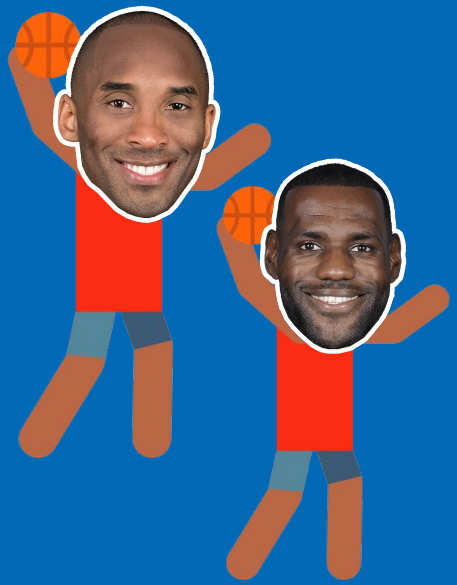

Actual Seasons Left v Predicted Seasons Left
Prediction Error
Actual Seasons Left
8
6
4
2
0
−2
−4
−6
−8
0
5
10
15
20

PORTLAND TRAIL BLAZERS
SACRAMENTO KINGS
UTAH JAZZ
DENVER NUGGETS
MINNESOTA TIMBERWOLVES
MILWAUKEE BUCKS
CHICAGO BULLS
DETROIT PISTONS
TORONTO RAPTORS
CLEVELAND CAVALIERS
INDIANA PACERS
NEW YORK KNICKS
BOSTON CELTICS
BROOKLYN NETS
PHILADELPHIA 76ERS
WASHINGTON WIZARDS
GOLDEN STATE WARRIORS
LOS ANGELES LAKERS
LOS ANGELES CLIPPERS
PHOENIX SUNS
OKLAHOMA CITY THUNDER
DALLAS MAVERICKS
MEMPHIS GRIZZLIES
ATLANTA HAWKS
CHARLOTTE HORNETS
SAN ANTONIO SPURS
HOUSTON ROCKETS
NEW ORLEANS PELICANS
ORLANDO MAGIC
MIAMI HEAT
Seattle
WASHINGTON
OREGON
IDAHO
MONTANA
NORTH DAKOTA
SOUTH DAKOTA
WYOMING
NEBRASKA
IOWA
MINNESOTA
WISCONSIN
MICHIGAN
ILLINOIS
NEVADA
UTAH
COLORADO
KANSAS
MISSOURI
Kansas City
CALIFORNIA
Las Vegas
NEW MEXICO
ARKANSAS
MISSISSIPPI
TENNESSEE
Nashville
KENTUCKY
WEST VIRGINIA
PENNSYLVANIA
NEW YORK
MAINE
VERMONT
Québec City
Ottawa
Montreal
ALABAMA
GEORGIA
SOUTH CAROLINA
TEXAS
El Paso
Austin
Jacksonville
Tampa
BAJA CALIFORNIA
SONORA
CHIHUAHUA
COAHUILA
NUEVO LEON
Monterrey
Gulf of California

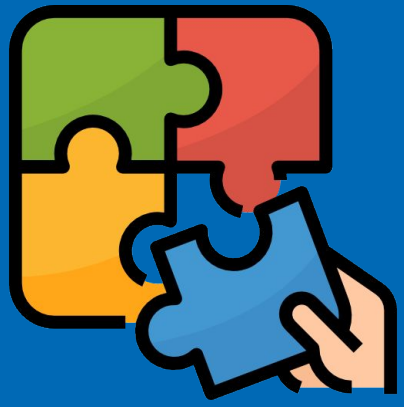
# Limitations

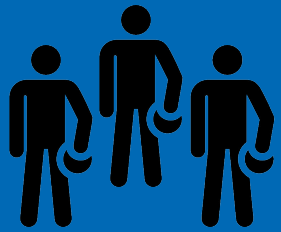
**Injuries**

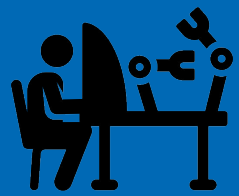
**Salary Caps**



**Negotiations**







Post

MVP

Improvements

# Contact Info

Nick Pardue
nickpardue@gmail.com

GitHub
https://github.com/npardue

LinkedIn
https://linkedin.com/in/npardue/