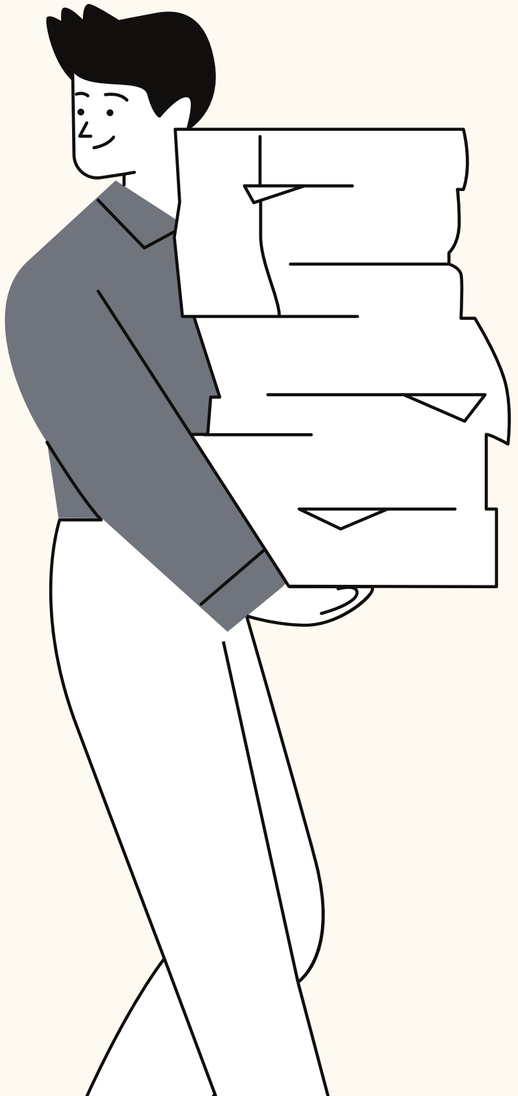
PROJECT PROPOSAL

updated

TUWAIQ
TO513

NBA-Draft
predction



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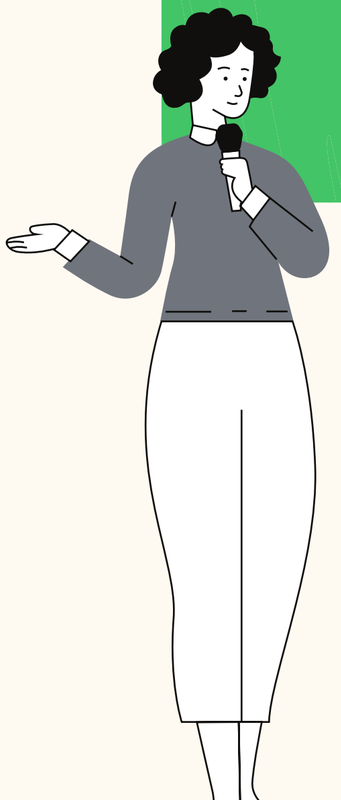


Content

Introduction

well building an ML model is not an easy task
especially if your schedule is full
and trust me when you are a basketball player
your schedule is full,
imagine adding collage tasks and assignments to that
so searching on kagle for a dataset for the project
I found one that inspired me to build a model
to predict the NBA draft using college stats
it's a data set that takes college player stats
from 2009 to 2021 lastly updated 25 days ago
having more than 20+ thousand data points(rows)

Targets

who benefits from the model?

Targets

non-technical

- SPORTS LOVERS
- COACHES
- ARTICLE WRITERS
- COLLAGE BASKETBALL PLAYER

Technical

- sports tech based companies

Dataset

HOW TO OBTAIN THE DATA AND IT'S FEATURES

1

KAGGLE.COM

source

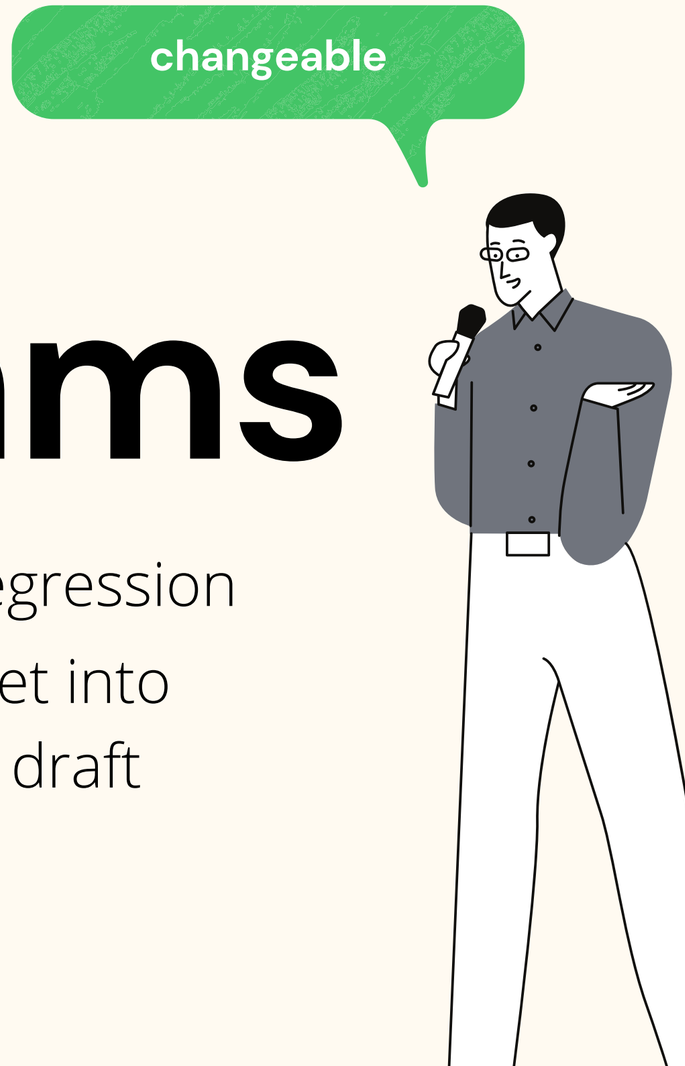
Features

more than 65 features (column)

- player_name 25719 unique values
- Games played
- teams 362 unique values

source

https://www.kaggle.com/adityak2003/college-basketball-players-20092021/code



Algorithms

classification :using Logistic Regression

as 0: the player will not get into

as 1: he will get into the draft

Tools

1. **Data processing**
   - PANDAS, NUMPY
2. **Modeling**
   - skit-learn,pytorch
3. **Visualizations**
   - matplotlib,seaborn