



Football Analysis system

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01

Requirements

Data is the core of building tactics and determining performance



01

Data can include:

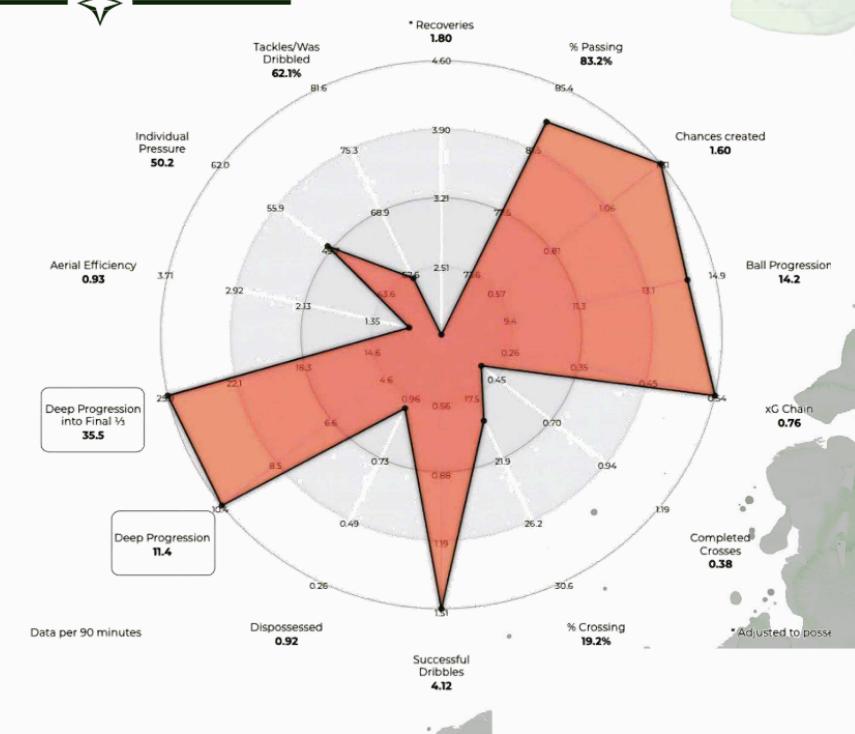
Player Position

Speed

Distance Covered

Spatial
Distribution

Requirements



02

Technology Used



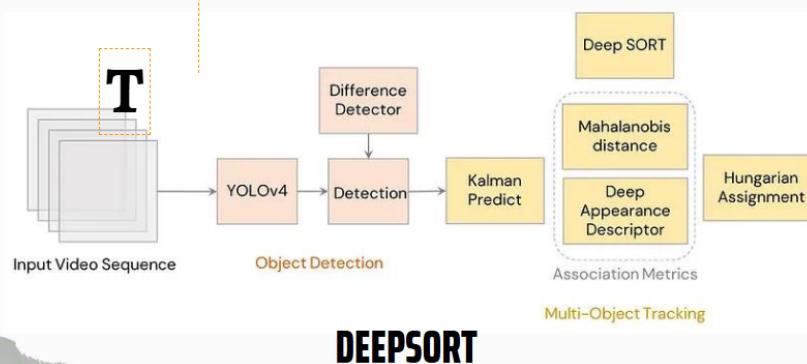
ROBOFLOW



HUGGING FACE



ULTRALYTICS



02



ROBOFLOW

Technology used

Players
detection model

Ball detection
model

Pitch detection
model

CORE: YOLOV8



ULTRALYTICS

02



HUGGING FACE

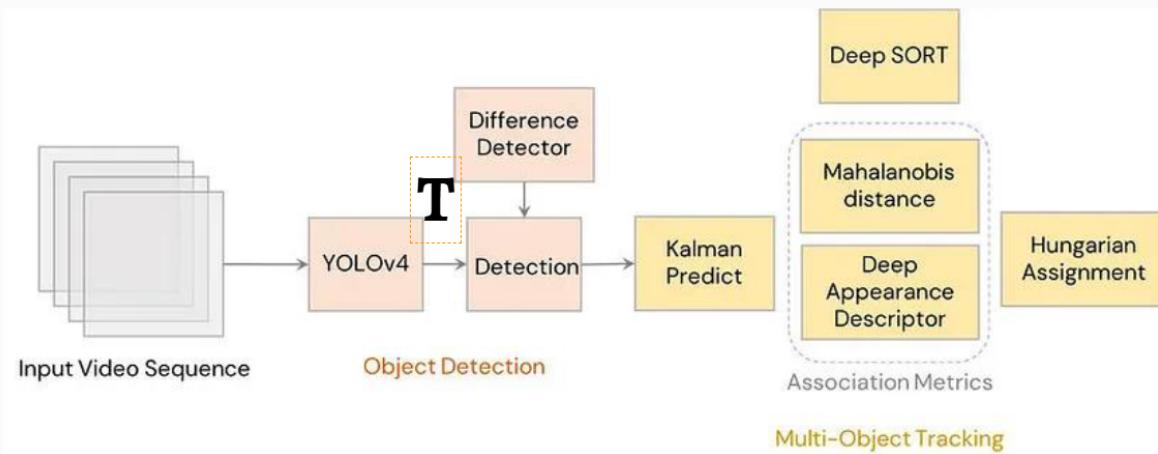
Technology used

SigLIP – Sigmoid Loss for Language Image Pre-training

Improving the performance of binary classification with the evaluation of the Sigmoid function

02

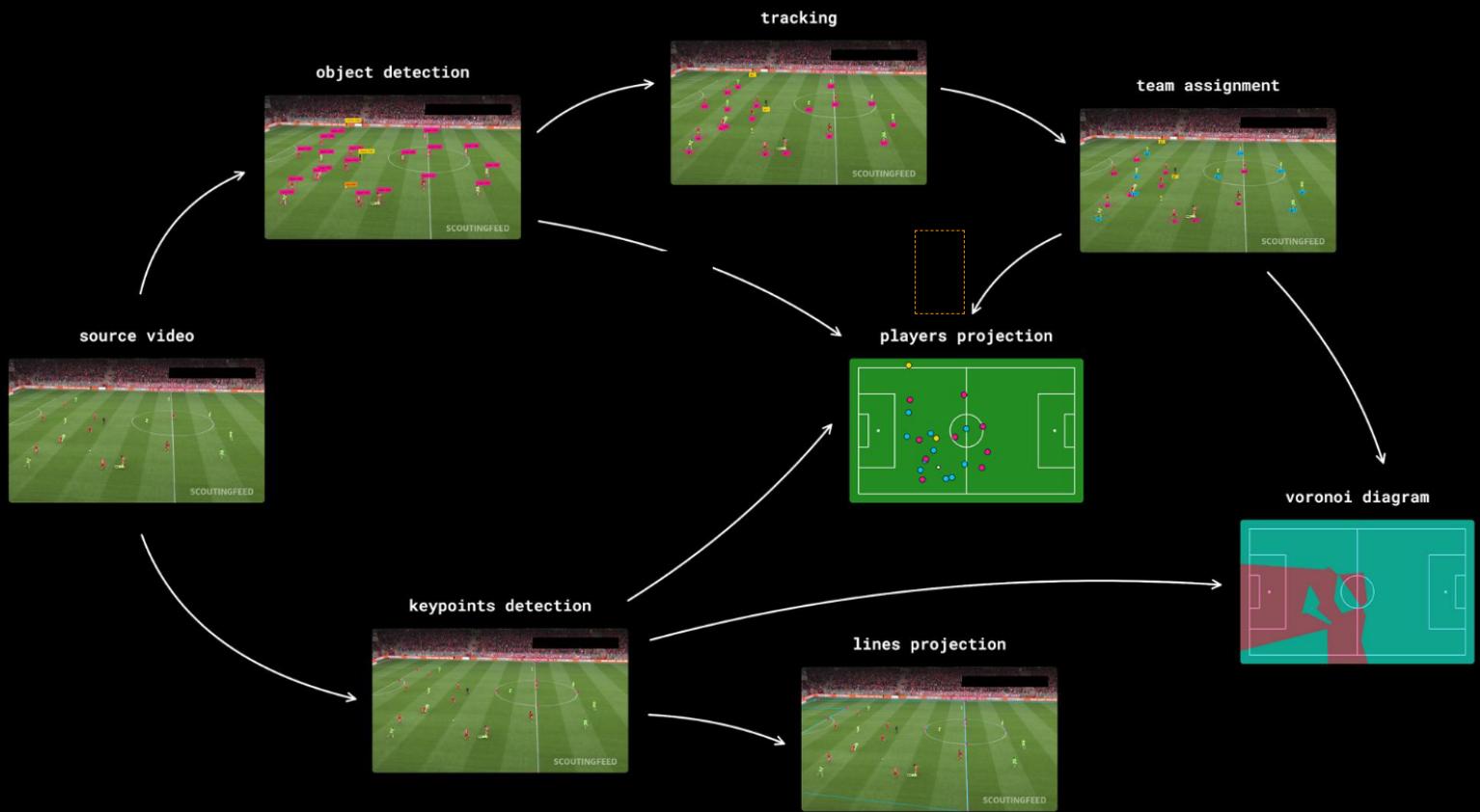
Technology used



DEEPSORT

03

KEY FEATURES



04

Challenges



Data may be skewed due to external factors(Lighting, resolution, etc.)

04

Challenges

The dataset is still limited and lacks diversity, so the performance and accuracy are not yet optimal.

04

Challenges

v15 2024-08-19 7:51pm
Generated on Aug 20, 2024 [Download Dataset](#)

317 Total Images [View All Images →](#)



Dataset Split

TRAIN SET	VALID SET	TEST SET
255 Images	34 Images	28 Images
80%	11%	9%

Pitch Detection Model

04

Challenges

v4 2024-07-29 8:54pm
Generated on Jul 30, 2024

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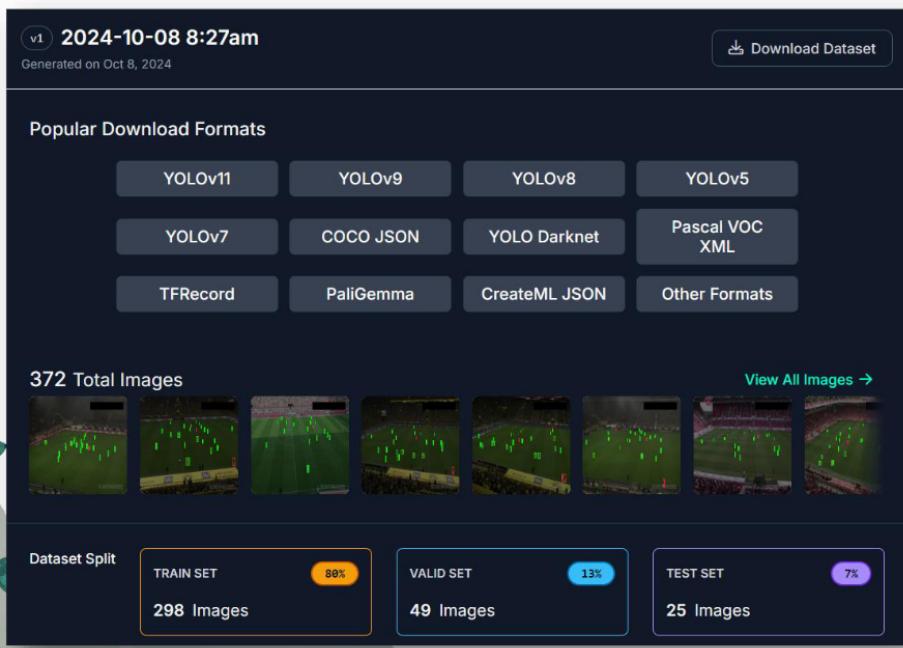
Dataset Split

TRAIN SET	VALID SET	TEST SET
3956 Images	492 Images	500 Images

**BALL DETECTION
MODEL**

04

Challenges



**HUMAN DETECTION
MODEL**