**Dataset 1: NFL Big Data Bowl 2025**

Format: CSV

Size: 8GB

Usage: NFL player tracking data for game metric predictions

Challenges: missing values and data limited to one playing season

Source: Kaggle - [NFL Big Data Bowl 2025 | Kaggle](https://www.kaggle.com/competitions/nfl-big-data-bowl-2025/data)

**Dataset 2: nfl\_data\_py (nflverse)**

Format: python dataset

Size: 16KB

Usage: NFL player and game data for game metric predictions

Challenges: missing values and player mobility data

Source: PyPI - [nfl-data-py · PyPI](https://pypi.org/project/nfl-data-py/0.3.3/#description)

**Dataset 3: NFL Twitter Sentiment Analysis**

Format: CSV

Size: 1.5MB

Usage: Sentiment prediction from fan social media postings

Challenges: posts are limited to 1 month in November 2024

Source: Kaggle - [NFL Twitter Sentiment Analysis](https://www.kaggle.com/datasets/cammyc/nfl-twitter-sentiment-analysis)

**Dataset 4: NFL-ID: Extracted Frames**

Format: PNG, CSV

Size: 70GB

Usage: Frame-by-frame images for player tracking and identification

Challenges: non-annotated

Source: Kaggle - [NFL-ID: Extracted Frames From Train Videos](https://www.kaggle.com/datasets/ttahara/nfl-impact-detection-train-frames), [NFL 1st and Future - Impact Detection | Kaggle](https://www.kaggle.com/competitions/nfl-impact-detection/rules)