

College Football Model Pack: Data Info Sheet

This dataset includes **cleaned, opponent-adjusted college football data** for FBS games from **Week 5 through postseason**, covering the **2016–2024** seasons.

Each row represents a single game, with team statistics based on games played **prior to that matchup only**, ensuring no leakage of future results.

The dataset is ideal for training machine learning models to predict outcomes like:

- Final score or score margin
- Win probability
- Spread cover probability
- Offensive or defensive efficiency

Fields with the word "adjusted" represent **opponent-adjusted metrics**, calculated to account for schedule strength up to the point of the game.

Dataset Size and Features

Each row includes **92 total columns**, consisting of:

- **81 usable features** for training predictive models
- **11 contextual fields** such as game ID, team names, conferences, and outcome labels (e.g. final team points, margin)

The dataset has been structured to separate features from targets and identifiers, making it easy to plug into model pipelines with minimal preprocessing.

Field Groupings & Descriptions

Game Metadata

Field	Description
id	Unique game identifier
start_date	Date of the game
season	Season year
season_type	Regular or postseason
week	Week number
neutral_site	True if played at a neutral site
spread	Vegas closing spread (negative = home favored)

Home Team Info

Field	Description
home_team	Home team name
home_conference	Home team’s conference
home_elo	Pre-game Elo rating
home_talent	Team talent composite rating

Away Team Info

Field	Description
away_team	Away team name
away_conference	Away team's conference
away_elo	Pre-game Elo rating
away_talent	Team talent composite rating

Game Outcome

Field	Description
home_points	Final home score
away_points	Final away score
margin	Final score margin (home - away)

Opponent-Adjusted EPA (Efficiency)

Field	Description
home_adjusted_epa, away_adjusted_epa	Overall adjusted EPA per play
home_adjusted_epa_allowed, away_adjusted_epa_allowed	Defensive adjusted EPA allowed

Opponent-Adjusted Rushing & Passing EPA

Field	Description
*_adjusted_rushing_epa, *_adjusted_passing_epa	Offensive rushing/passing EPA
*_adjusted_rushing_epa_allowed, *_adjusted_passing_epa_allowed	Defensive EPA allowed

Opponent-Adjusted Success Rates

Field	Description
*_adjusted_success	Overall success rate
*_adjusted_standard_down_success, *_adjusted_passing_down_success	Down-specific success rates
*_adjusted_success_allowed	Overall success rate allowed on defense
*_adjusted_standard_down_success_allowed, *_adjusted_passing_down_success_allowed	Down-specific success rates allowed on defense

Opponent-Adjusted Line Yardage Metrics

Field	Description
*_adjusted_line_yards	Line yards per carry
*_adjusted_second_level_yards	Second-level yards per carry
*_adjusted_open_field_yards	Open-field yards per carry
*_allowed variants	Defensive equivalents

Opponent-Adjusted Explosiveness Metrics

Field	Description
*_adjusted_explosiveness	Overall explosiveness (EPA/play on successful plays)
*_adjusted_rush_explosiveness, *_adjusted_pass_explosiveness	By play type
*_allowed variants	Defensive equivalents

Havoc Metrics

Field	Description
*_total_havoc_offense, *_front_seven_havoc_offense, *_db_havoc_offense	Havoc rates allowed (offensive failures)
*_total_havoc_defense, *_front_seven_havoc_defense, *_db_havoc_defense	Havoc created (defensive disruption)

Points Per Opportunity

Field	Description
*_points_per_opportunity_offense	Avg points per drive inside opponent 40
*_points_per_opportunity_defense	Avg points allowed per opponent scoring opportunity

Field Position

Field	Description
*_avg_start_offense	Average starting field position on offense
*_avg_start_defense	Average field position allowed on defense

Ideal Use Cases

- Train predictive models for picks and spreads
- Analyze efficiency and explosiveness in context
- Study the relative strength of teams week-to-week

For support and usage examples, visit collegefootballdata.com or join the CFBD Discord community.