Player-Stats Scraper / Daily Mlb Selenium Scraper

What it does: Collects Yesterday's Player
Statistics from espn. Then it appends the
data to batter_stats_2025.csv and Creates
a New file everyday Called Mlb_results.csv

Dependencies: Dockerfile, Main.py

Run Time: This Needs to run at 1:00 am
Chicago Time

Defensive Rank / Selenium all

What it does: Scrapes baseball reference for the
defensive tables.

Creates: Mlb-defensive-tables.csv

Dependencies: Docker File

Run Time: 1:00 am Chicago Time

Players_team_Scrapers / Mlb Player team daily Scraper

What it does: Scrapes baseball reference
for Players Team.

Creates: batter_team_2025.csv

Dependencies: Docker File

Run Time: 1:00 am Chicago Time

Mlb results editing

What it does: Cleans the mlb_results.csv

Creates: Yesterdays_mlb_results.csv

Dependencies: mlb_results.csv, batters_team_2025.csv

Run Time: 1:10 am

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Mlb Cleaning defensive Rank

What it does: Cleaning mlb_defensive_tables.csv

Creates: rbi_defense_2025.csv, hit_defense_2025.csv, runs_defense_2025.csv.

Dependencies: Mlb_defensive_tables.csv

Run Time: 1:10 am Chicago Time

Mlb Runs Freq

What it does: Calculates Players Stats

Creates: Over_runs_rates.csv, under_runs_rates.csv

Dependencies: runs_defense_2025.csv, def_rank_era_pitchers_2024.csv, batters_team_2024.csv, batter_team_2025.csv, batter_stats_2024.csv, batter_stats_2025.csv.

Run Time: 1:20 am Chicago Time

mlb rbi freq

What it does: Calculates Players Stats

Creates: over_RBI_rate.csv, under_RBI_rate.csv

Dependencies: rbi_defense_2025.csv,
def_rank_era_pitchers_2024.csv, batters_team_2024.csv,
batters_team_2025.csv, batter_stats_2024.csv,
batter_stats_2025.csv

RunTime: 11:20 am Chilago Time

mlb runs freq

What it does: Calculates Players Stats

Creates: over_runs_rate.csv, under_runs_rate.csv

Dependencies: runs_defense_2025.csv,
def_rank_era_pitchers_2024.csv, batters_team_2024.csv,
batter_team_2025.csv, batter_stats_2025.csv,
batter_stats_2024.csv

RunTime: 11:20 am Chilago Time

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mlb hits final

What it does: Calculates profitable bets and sends them to the correct endpoint.

Creates: Sends to /mlb_batter_hits endpoint

Dependencies: hits_defense_2025.csv, under_hits_rate.csv, over_hits_rate.csv, batter_team_2025.csv

Run Time: Runs every 3 minutes between 1:30 am - 10:00 pm Chicago Time

mlb rbi final

What it does: Calculates profitable bets and sends them to the correct endpoint

Creates: Sends to /mlb_batter_RBI

Dependencies: rbi_defense_2025.csv, under_RBI_rate.csv, over_RBI_rate.csv, batter_team_2025.csv

Run Time: Runs every 3 minutes between 1:30 am - 10:00 pm Chicago Time

Mlb runs final

What it does: Calculates profitable bets and send them to the correct endpoints.

Creates: Sends to /Mlb_batter_runs endpoint

Dependencies: batters_team_2025.csv, runs_defense_2025.csv, under_hit_rate.csv, over_hit_rate.csv

Run Time: Runs every 3 minutes between 1:30am - 10:00pm Chicago Time