Source: "https://www.statmuse.com/nba/ask/nba-player-stats-home-away-split-this-season".

Web_Scrape_ETL

Extract	Transform	Load

Extract

- Web Scraping Setup: Using `requests` and `BeautifulSoup` to scrape NBA player stats from a website.
- Request Handling: Making a GET request with headers to mimic a browser visit, ensuring access to the webpage and checking for a successful response with a status code of 200.

Transform

- Parsing HTML: Extracting and parsing the HTML content to locate and read the necessary data table containing player stats.
- DataFrame Creation: Creating a Pandas DataFrame from the parsed table data, which includes cleaning up headers and ensuring data types are correct for further processing.

Load

- Database Connection: Setting up a connection to an AWS RDS MySQL database using SQLAlchemy and pymysql, as detailed in the notebook.
- Loading Data: Transferring the data from the DataFrame into the SQL database using `to_sql` method, with proper handling to replace existing data and ensure no indexing issues.