Title: Predicting the value of an individual baseball player

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Data sources: one singular CSV that contains the batting statistics of all the 2024 MLB players

Methods: pd.read_csv() - Load data from CSV file

 df.copy() - Create a copy of DataFrame

 df.reset_index() - Reset DataFrame index

 df[df['AB'] >= min_ab] - Filter data with condition

 df.apply() - Apply function to DataFrame rows/columns

 df.loc[] and df.iloc[] - Access data by position/label

 df.sort_values() - Sort DataFrame by column

 df.head() - Get first n rows

 df.iterrows() - Iterate through DataFrame rows

 df.corr() - Calculate correlation matrix

 df.nlargest() - Get rows with largest values

 df.select_dtypes() - Select columns by data type

 LinearRegression() - Create linear regression model

 model.fit() - Train regression model

 model.predict() - Make predictions

 r2_score() - Calculate R^2 score

 plt.figure() - Create figure

 sns.heatmap() - Create correlation heatmap

 sns.barplot() - Create bar chart

 sns.scatterplot() - Create scatter plot

 plt.title(), plt.xlabel(), plt.ylabel() - Add chart labels

 plt.annotate() - Add annotations to chart

 plt.plot() - Plot lines

 plt.tight_layout() - Adjust plot spacing

 plt.savefig() - Save figure to file

- Results include correlation between particular stats and WAR, Calculating war for 2024 season, get the two stats with the highest correlation to WAR and calculate r^2 values, creating a correlation heatmap, war correlation bar chart, r^2 visualization, a prediction model, a prediction of war values for the 2025 season using 2024 stats and creating a prediction scatter plot, and created a list of the top 15 predicted players for the 2025 season by WAR and made a chart of it

- I'm finished, so no real roadblocks. I also didn't have anything too substantially frustrating during the process.