С Т	2022 Wellness Tracking Objectives The objective of this project is to record and analyze the relationships between input variables and target variables throughout the 2022 Midland Rockhound season in the Texas League of AA baseball to create actionable ideas on how to increase performance. This project also strives to incorporate mental variables as well as physical ones, in the hopes of observing the impacts of mental health and raining in sport as well as physical.
[1]: [26]:	This project will involve various data cleaning and manipulation methods, which will be more specifically explained upon implementation. However, the focus of this project is on machine learning imports and Data Cleaning import pandas as pd import numby as np import matplotlib.pyplot as plt from sklearn.model_selection import train_test_split # rmporting CSV data filename = 'pata/michael_vellness_data.csv' def read_csv(filename):
28]:	Part
	"Dody Weight," Dody Fat **, "Dody Waier **, "Bytration Score (urine)",
	Name
	The Extra Control of the Control of
	forest_importances = pd.Series(normalized_importances, index=x_column_headers) fig, ax = plt.subplots() forest_importances.plot.bar(yerr=std, ax=ax) ax.set_title(f"Feature Importances for {target}") ax.set_ylabel("Feature Importance") fig.tight_layout()
	Analysis and importance for Whose Recovery Analysis and Import Linear Regression Responsible of the property of the propert
	Melatonin: 0.0 pos_imp = pd.Series(pos_features_with_coef.values(), index=pos_features_with_coef.keys()) fig, ax = plt.subplots() pos_imp.plot.bar(ax=ax) ax.set_title(f"Positive Peature Importances for {target}") ax.set_ylabel("Feature Importance") fig.tight_layout() Positive Feature Importances for Whoop Recovery
	neg_imp = pd.Series(neg_features_with_coef.values(), index=neg_features_with_coef.keys()) fig, ax = plt.subplots() neg_imp.plot.bar(sw=ax) ax.set_itle("Negative Feature Importances for {target}") ax.set_itle("Negative Feature Importances for Whoop Recovery) Negative Feature importances for Whoop Recovery Negative Feature impor
	Analysis and Impact General Trends Whoop Recovery vs. Date x_ax = data['Date'] y_ax = data['Mhoop Recovery'] plt.plot(x_ax, y_ax, linewidth=1) plt.title("Whoop Recovery Over Time") plt.xlabel('Date') unit = '6' plt.ylabel(f'Whoop Recovery ({unit})') plt.xticks(rotation=90) plt.show() Whoop Recovery Over Time Whoop Recovery Over Time
	2022-04-15 2022-04-15 2022-04-15 2022-04-25 2022-04-25 2022-05-03 2022-05-03