Brainstorming

Chaitanya

- Identify specific powerlifting metrics that you are interested in predicting, such as squat 1RM, bench press 1RM, or deadlift 1RM.
- Research existing machine learning and data science studies that have been conducted on powerlifting data.
- Explore different ways to represent the powerlifting data as features for your machine learning model.
- Consider using transfer learning to improve the performance of your machine learning model.

Anreen

- Clean and prepare the powerlifting data by removing outliers, missing values, and scaling the data.
- Experiment with different machine learning algorithms to find the one that performs best on your data.
- Tune the hyperparameters of your machine learning algorithm to improve its performance.
- Use cross-validation to evaluate the performance of your machine learning model.

Rishita

- Evaluate the performance of your machine learning model on a held-out test set.
- Deploy the model to production so that it can be used to predict powerlifting metrics for new data.
- Monitor the performance of the model over time and retrain or update the model as needed.
- Consider using ensemble learning to improve the performance of your machine learning model.

Pratyush

- Communicate the results of your machine learning project to your team and stakeholders. This may involve writing a report, giving a presentation, or creating a dashboard.
- Use our machine learning model to develop a machine learning-powered interface using flask.
- Share your findings and insights with the powerlifting community through blog posts, social media, or presentations at conferences.
- Explore the ethical implications of machine learning in powerlifting.

Grouping Ideas

Data Collection and Preparation

- Gather relevant data on powerlifters
- Clean and prepare the data by removing outliers, missing values, and scaling the data

Model Development and Evaluation

- Identify specific powerlifting metrics to predict
- Research existing machine learning and data science studies on powerlifting data
- Tune the hyperparameters of the machine learning algorithm
- Use cross-validation to evaluate the performance of the machine learning mode

Model Deployment and Monitoring

- Deploy the model to production
- Monitor the performance of the model over time
- Retrain or update the model as needed

Communication and Collaboration

- Communicate the results of the machine learning project to the team and stakeholders
- Collaborate with other team members
- Engage with the powerlifting community
- Share findings and insights through blog posts, social media, or presentations