AguroTech end ideation meeting

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Challenges

- Find a way for satellite images to enhance the already existing prediction model for crop yield/irrigation.

Starting off

- Literature research
- Different satellite API's
- Existing datasets

Limitations

- Satellite API access
- Satellite resolution
- Existing datasets

Proposal research question

- Satellite images, increase time and scale

Proposal research question

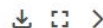- How much accuracy improvement does satellite imagery provide for predicting yearly crop yield per country?

Defining improvement

- Forecasting improvement using satellite imagery is defined as a higher prediction accuracy compared to not using satellite imagery and only weather, pesticide and soil data for predicting crop yield
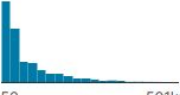
Kaggle crop yield dataset

- What is the optimal time interval for satellite data in terms of accuracy/overfitting/computing power

Questions?