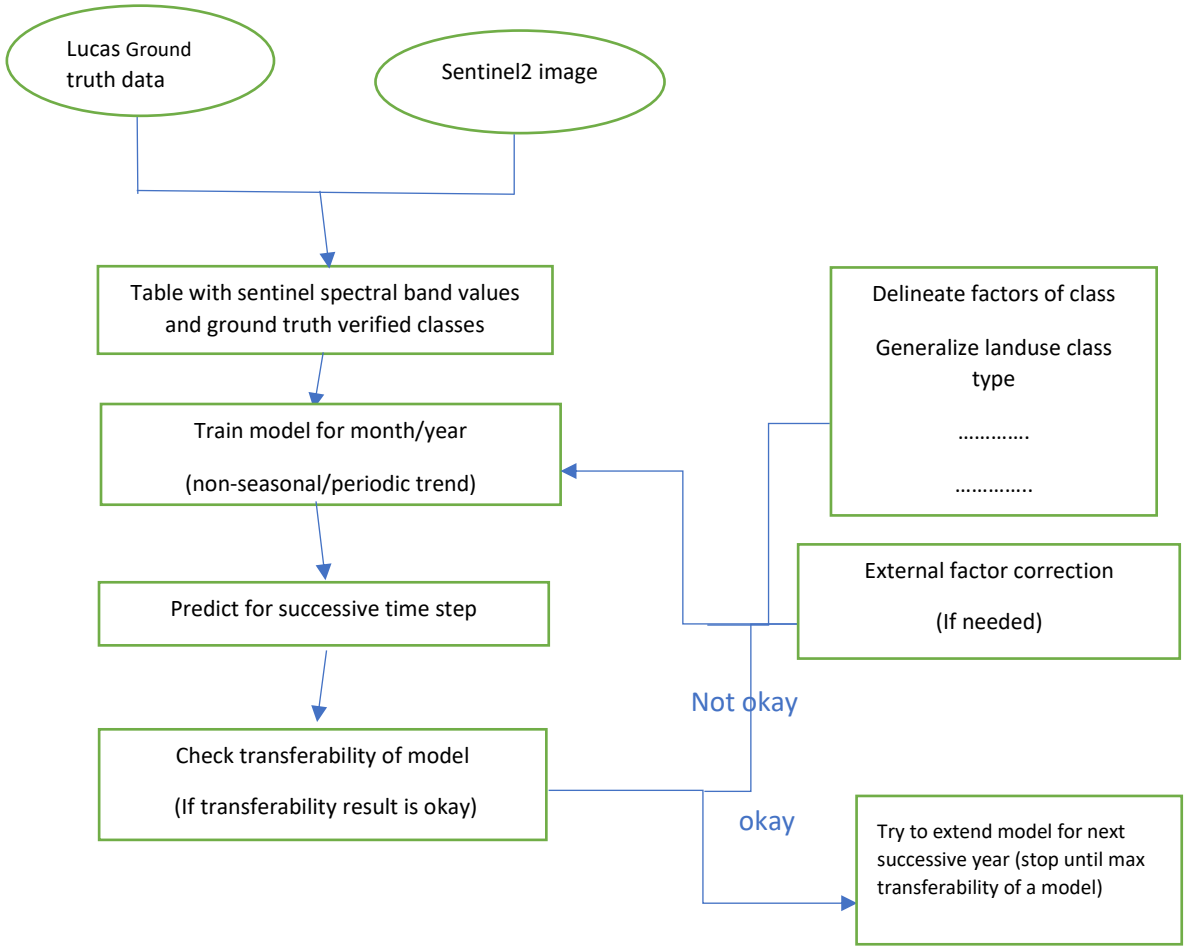
Proposal for thesis

Data available: Ground truth data for specific date and respective sentinel band data for recent/nearby date.

Procedure:

Train the model with a table which has sentinel band values and respective ground verified agricultural classes.



Plot it for a month and extend it next month and so on…

Train for a month	Predict for next month
Train for a year	Predict for next year
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- Train with parameters/predictors eg: b2, b3, b4. in current year
- Test it on sentinel image of same year. Then try it on successive year
- Try to find curve trend variation in trend.
- Delineate factors in model
- **Check accuracy for each crop. -> generalise class range**
- **Method comparison - RF and CNN**[1]

Transferability factors:

- Complexity and time period of model
- Model structure, features of target species and time scope
- Increased with length of time periods and decay with time gaps of prediction
- Temporal robustness of model.