**Machine Learning for Crop Yield Prediction Notes**

# From: Crop yield prediction using machine learning: A systematic literature review

* Most papers on the subject were published in 2018.
* Most frequently appearing features were temperature, soil type and rainfall.
* Vast majority of the deep-learning related papers were published in 2019 and 2020.
* Most used machine learning algorithms were:
  + Neural networks
  + Linear regression (Used extensively because it’s often used as a benchmark)
  + Random Forest
  + Support Vector Machine
  + Gradient Boosting Tree
* Most used deep-learning models:
  + CNN
  + LSTM
  + DNN
* Most used metrics:
  + Root mean square
  + R2
  + ­­­Mean Absolute Error
* Most often used method of validation is cross-validation, specifically 10-fold cross-validation.