Historic Cropland Model

We trained a ~Random Forest classifier~ using crowdsourced labels. The collected labels were used to sample harmonic composites computed from Landsat imagery. Harmonic composites are regressions that represent the temporal variability of each pixel as a combination of sine and cosine functions of time (i.e. Fourier transforms). These composites have been shown to capture seasonal variability at different spectral wavelengths very well, enhancing the ability to distinguish between different cover types. These rasters represent pixel-level classification of cropland ~for 11 years at a resolution of 480 m/px~.

* Model ID: cropland\_model
* Model Maintainer: George Azzari, George@atlasai.co
* Model Category: Agriculture

# Outputs

**cropland:**

* Description: Measure of likelihood that a given pixel is cropland (higher is more likely to be cropland).
* Units: probability between 0 and 1

# Parameters

Model has no parameters.