The features in this dataset

You are provided the following set of information on a (year, weekofyear) timescale:

(Where appropriate, units are provided as a \_unit suffix on the feature name.)

City and date indicators

* city – City abbreviations: sj for San Juan and iq for Iquitos
* week\_start\_date – Date given in yyyy-mm-dd format

NOAA's GHCN [daily climate data](https://www.ncdc.noaa.gov/oa/climate/ghcn-daily/) weather station measurements

* station\_max\_temp\_c – Maximum temperature
* station\_min\_temp\_c – Minimum temperature
* station\_avg\_temp\_c – Average temperature
* station\_precip\_mm – Total precipitation
* station\_diur\_temp\_rng\_c – Diurnal temperature range

PERSIANN [satellite precipitation measurements](http://www.ncdc.noaa.gov/cdr/operationalcdrs.html) (0.25x0.25 degree scale)

* precipitation\_amt\_mm – Total precipitation

NOAA's NCEP [Climate Forecast System Reanalysis](http://rda.ucar.edu/datasets/ds093.0/#metadata/detailed.html?_do=y) measurements (0.5x0.5 degree scale)

* reanalysis\_sat\_precip\_amt\_mm – Total precipitation
* reanalysis\_dew\_point\_temp\_k – Mean dew point temperature
* reanalysis\_air\_temp\_k – Mean air temperature
* reanalysis\_relative\_humidity\_percent – Mean relative humidity
* reanalysis\_specific\_humidity\_g\_per\_kg – Mean specific humidity
* reanalysis\_precip\_amt\_kg\_per\_m2 – Total precipitation
* reanalysis\_max\_air\_temp\_k – Maximum air temperature
* reanalysis\_min\_air\_temp\_k – Minimum air temperature
* reanalysis\_avg\_temp\_k – Average air temperature
* reanalysis\_tdtr\_k – Diurnal temperature range

Satellite vegetation - Normalized difference vegetation index (NDVI) - NOAA's [CDR Normalized Difference Vegetation Index](https://www.ncdc.noaa.gov/cdr) (0.5x0.5 degree scale) measurements

* ndvi\_se – Pixel southeast of city centroid
* ndvi\_sw – Pixel southwest of city centroid
* ndvi\_ne – Pixel northeast of city centroid
* ndvi\_nw – Pixel northwest of city centroid