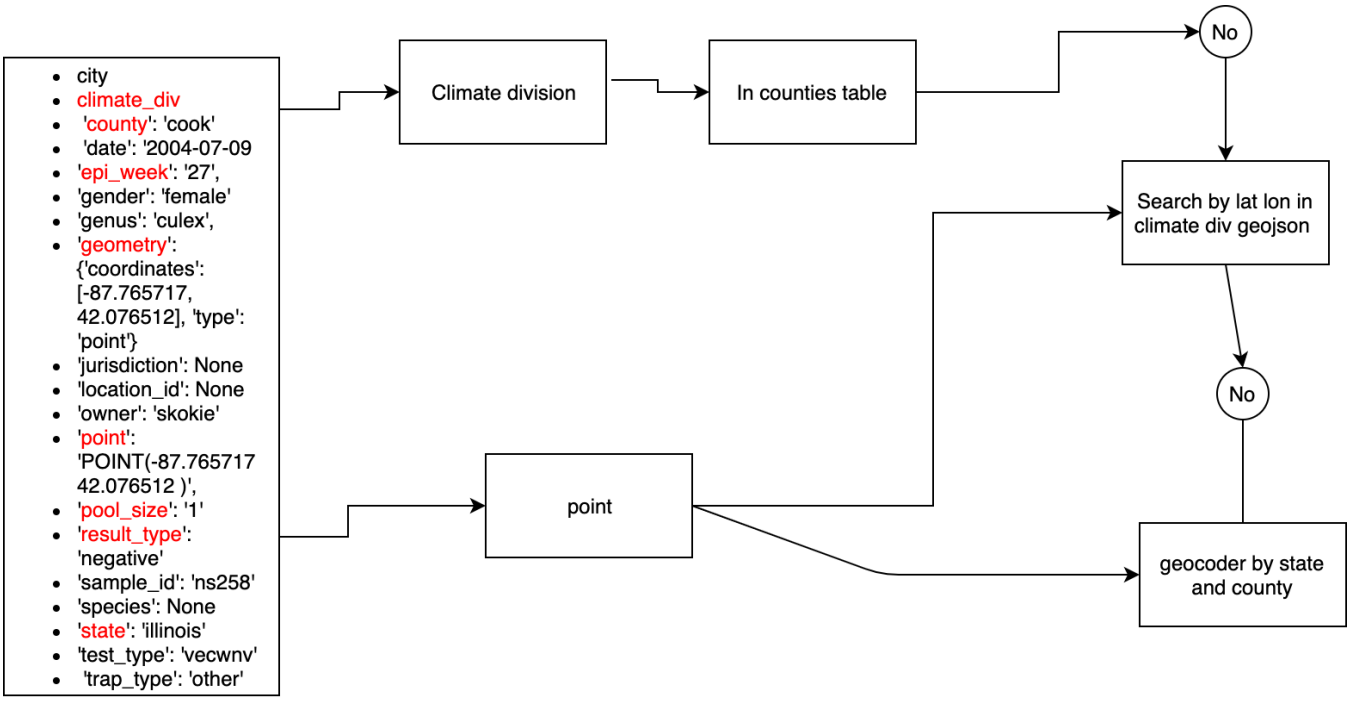
Database

No guarantee that everything is updated

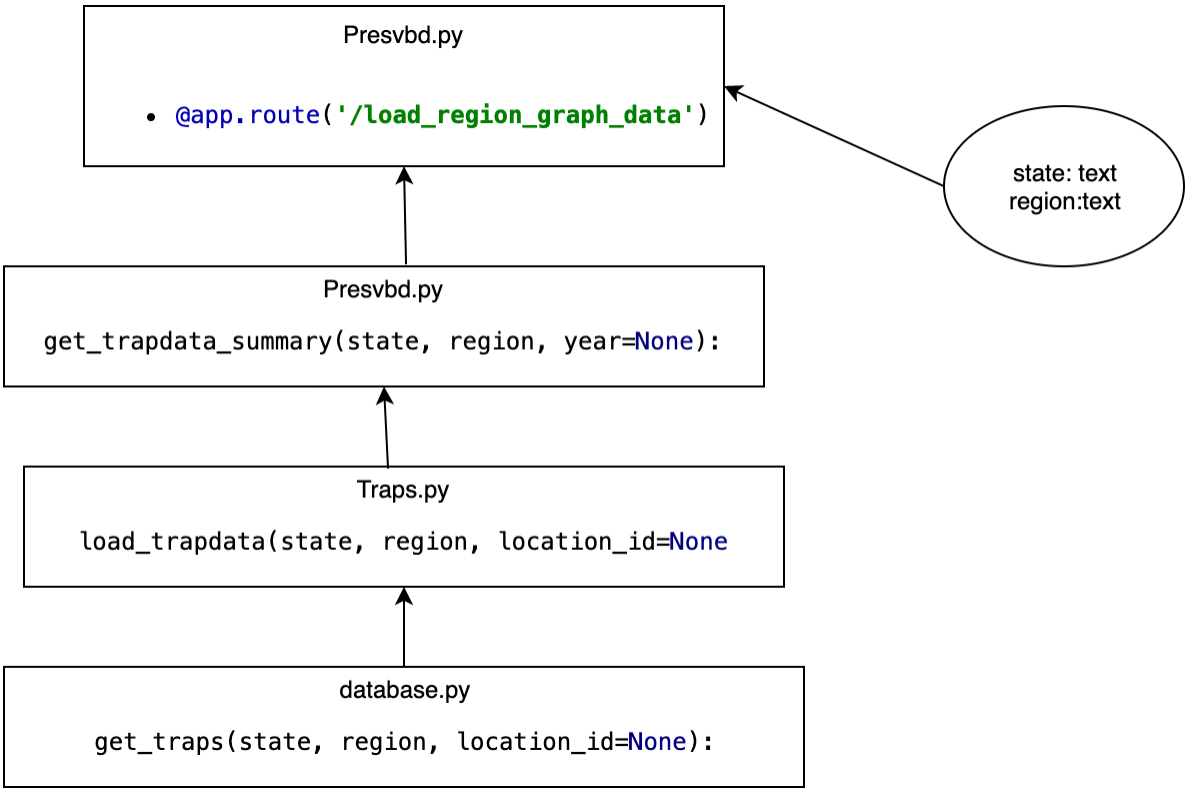
Tables	Columns	Data Details	External Dependencies	Notes
climate_divs	state | region_name | id | polygon		• Download from https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html • convert to geojson with qgis ⚠ VBD-29 - Jira project doesn't exist or you don't have permission to view it.	Can this be automated?
counties	state | county | climate_div | polygon		https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html	Can this be automated?
epi_week	date | epi_year | epi_week		python lib	

<table>
<tr><td>daylight_hours</td><td>state | region_name | id | epi_week | daylight_hours</td><td></td><td>api</td><td>Do daylight hours need to be calculated by county or is climate division adequete?</td></tr>
<tr><td>forecast</td><td>state | climate_div | download_date | forecast_date | min_temp_f | max_temp_f | precip_in</td><td></td><td>api</td><td></td></tr>
<tr><td>weather</td><td>state | climate_div | county | measurement_date | min_temp_f | max_temp_f | precip_in</td><td></td><td>api</td><td>http://data.rcc-acis.org/GridData returns entry for 'today' and future days, but the dictionary is empty (data for a day is a list with date 1st and dictionary of locations 2nd.</td></tr>
<tr><td>traps</td><td>state | climate_div | county | date | gender | city | epi_week | jurisdiction | location_id | owner | pool_size | result_type | sample_id | species | test_type | trap_type | geometry_method | geometry</td><td>Scenarios for assigning climate div and county to trap<table><tr><th>both in raw data</th><th>climate div in raw data</th><th>county in raw data</th><th>Use late long and check in regions</th><th>Geocode lookup</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table></td><td>multiple agencies</td><td></td></tr>
<tr><td>spatial_ref_sys</td><td></td><td></td><td></td><td></td></tr>
</table>

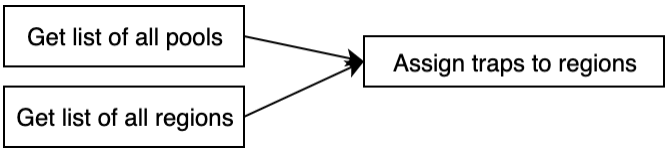
Help with understanding input dependencies



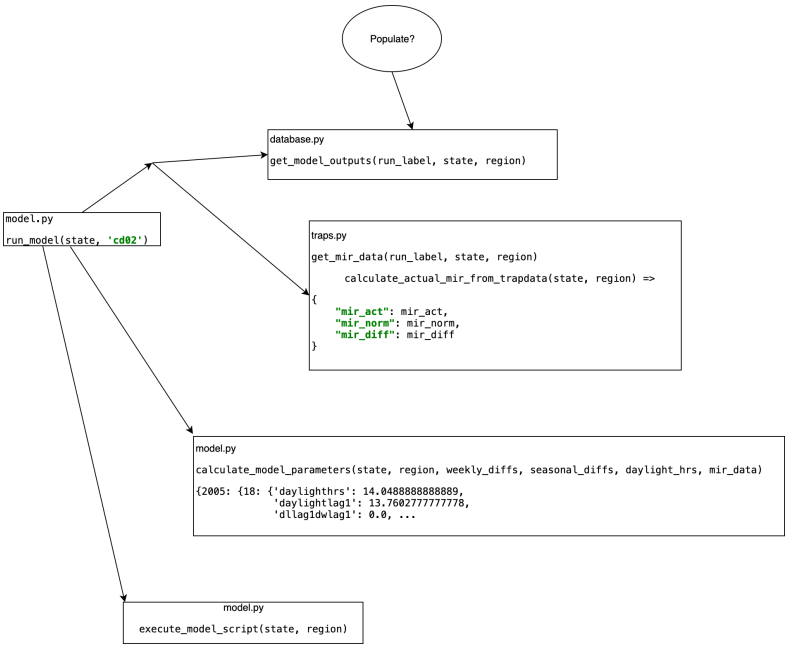
Creating a trap summary table in application



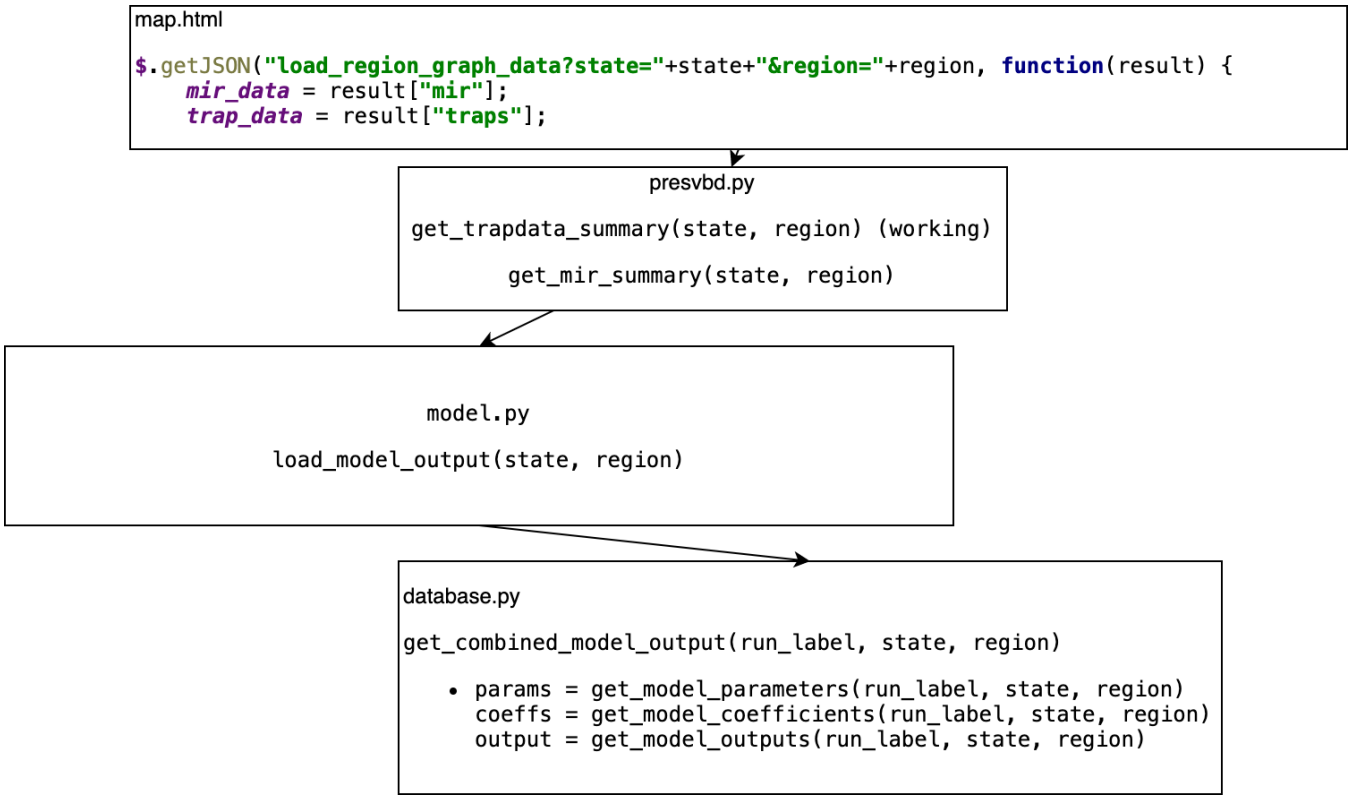
Loading trap summary into database



Run Model



Load Map


map.html
$.getJSON("load_region_graph_data?state="+state+"&region="+region, function(result) {
mir_data = result["mir"];
trap_data = result["traps"];
presvbd.py
get_trapdata_summary(state, region) (working)
get_mir_summary(state, region)
model.py
load_model_output(state, region)
database.py
get_combined_model_output(run_label, state, region)
params = get_model_parameters(run_label, state, region)
coeffs = get_model_coefficients(run_label, state, region)
output = get_model_outputs(run_label, state, region)