

AidData GeoQuery Request Documentation

Report Info

Request Name	Request 03-09-20 02:20
Request Id	5e65e054c15e0068ea94abc5
Email	jwhall@email.wm.edu
Generated on	2020-03-09 03:48:11 (EDT)
Download Link	geo.aiddata.org/query/#!/status/5e65e054c15e0068ea94abc5

Processing Timeline

submitted	2020-03-09 02:21:08 (EDT)
prepared	2020-03-09 02:21:11 (EDT)
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Citation

Please cite the following in any and all applications of the extracted datasets:

Goodman, S., BenYishay, A., Lv, Z., & Runfola, D. (2019). GeoQuery: Integrating HPC systems and public web-based geospatial data tools. Computers & Geosciences, 122, 103-112.

Contents of Request Zip

- request documentation (this pdf document)
- a comma separated value (CSV) file containing your data
- JSON file containing your request parameters
- GeoQuery paper (pdf)

For additional information, usage tips, guides and more please visit geo.aiddata.org.

To get in touch, please contact us via geo@aiddata.org.

Meta Information

Boundary

Title	Afghanistan ADM1 - GeoBoundaries v1.3.3
Name	afg_adm1_gb_1_3_3
Version	1_3_3
Description	GeoBoundaries boundary file for ADM1 in Afghanistan.
Details	(no additional details)
Bounding Box	[[[60.47197722749789, 38.49073746812291], [60.47197722749789, 29.37706008195042], [74.8895617934642, 29.37706008195042], [74.8895617934642, 38.49073746812291], [60.47197722749789, 38.49073746812291]]]
Date Added	2018-08-23
Date Updated	2018-08-27
Source Name	AidData GeoBoundaries
Source Link	http://www.geoboundaries.org
Citation	Seitz, L., Lv, Z., Goodman, S., Runfola, D. "Chapter 3: GeoBoundaries - A Global, Redistributable Map of Administrative Zones." GeoQuery User's Guide. Ed. Dan Runfola Ariel BenYishay, Seth Goodman. Williamsburg, Va: AidData, 2018.

Selection 1 - World Bank Geocoded Aid Data v1.4.2

Title	World Bank Geocoded Aid Data v1.4.2
Name	worldbank_geocodedresearchrelease_level1_v1_4_2
Version	1.4.2
Column Names	worldbank_geocodedresearchrelease_level1_v1_4_2. 41d20f2. sum
Filters	hash: 41d20f2aaf38300bd3f7de288a6ae0c1932bdd04
ad_sector_names	Secondary education, Health, Forestry, Basic education
Description	Aid data from World Bank Donor System, geocoded and published by AidData. Covers projects from 1995 to 2014. Version 1.4.2.
Details	(no additional details)

Bounding Box	[[[-175.6332, 72.0], [-175.6332, -54.666669999999996], [179.19981, -54.666669999999996], [179.19981, 72.0], [-175.6332, 72.0]]]
Date Added	2017-03-29
Date Updated	2017-03-29
Source Name	World Bank
Source Link	http://data.worldbank.org/
Citation	AidData. 2017. WorldBank_GeocodedResearchRelease_Level1_v1.4.2 geocoded dataset. Williamsburg, VA and Washington, DC: AidData. Accessed on [date]. http://aiddata.org/research-datasets .
Download Link	http://aiddata.org/datasets

Interpreting CSV Column Names

Each CSV will contain a column labeled "asdf_id" which has values for each feature that are unique (within that boundary dataset), one or more columns for your extract data, followed by the original source attributes for the boundary file (e.g., from GADM)

The standard format for extract data column names is a three part string delimited by periods (.)

<dataset>.<filter>.<method>

where

<dataset> is the name of the dataset which was extracted

<filter> describes how the dataset was filtered. This is usually a temporal value (e.g., YYYY format for year such as "1999", "none" for temporally invariant data, or a unique hash describing more complex filters, such as for aid datasets)

<method> is the extract method used to aggregate dataset values to boundary features (e.g., "mean", "sum")

Notes - Aid data extracts

The <filter> component of aid data extracts is a unique hash that corresponds to the filter combination used to generate that particular aid data extract (e.g., donor, sector, year, status). For each aid data extract you request, you will see three columns in the CSV that have the same <dataset> and <filter> sections of the column name with the <methods> of the three being different.

These three <method> values are:

- "sum" is the total aid for each feature within the boundary based on the distribution of aid used when building the aid data
- "potential" is the maximum aid that could have been allocated to each feature regardless of the distribution of aid used
- "reliability" is a ratio of sum:potential representing a simplistic measure of how accurate the distribution and aggregation of aid was relative to the boundary features used during the extract process

Notes - Categorical extracts

Data extracted using the categorical method will have multiple columns with the same <dataset> and <filter> where the <method> for each is "categorical_<category>".

For a simple landcover dataset this might look like:

- landcover.2000.categorical_water
- landcover.2000.categorical_forest
- landcover.2000.categorical_desert

Usage Notes

- If you attempt to merge GeoQuery results with vector data (e.g., shapefiles) downloaded from GADM, the GADM data may not always contain a unique id field to merge on. In these cases, please feel free to contact us and we can provide you with a modified file that contains a unique field for merging ("asdf_id" field, found in all result csvs).

Notes About Aid Datasets

- When requesting aid data using a very specific filter (usually resulting in only a single project match), the location count shown in GeoQuery may be inaccurate. This can result in aid filters which appear valid while building your request, but result in no aid data in your results csv. This is due to a slight reduction in the accuracy of location counts for the web page in order to make the responses fast enough for user interaction.
- The year filter for aid data is based on project start and end dates (determined by earliest and latest transactions). Because projects are represented by year ranges, multiple aid data selections for individual years may contain duplicate aid. This will result in an inflated total if you sum the aid from each individual year (compared to a single selection for all years). Limited source information on individual or even yearly transactions for a project prevent us from offering more granular temporal aid values for projects.
- All aid data selections result in commitment values, regardless of whether you filter by commitment values or disbursement values (or both). This is due to the notably better project coverage of commitments vs disbursements (e.g., World Bank aid dataset has 99% commitment coverage vs ~75% for disbursements).

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Acknowledgements

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