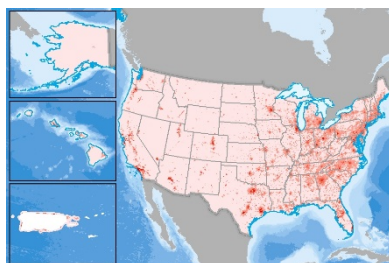


Census Block Groups: Population Density



Tags

census, american community survey, population, density

Summary

Provides population density at the U.S. Census block group level based on 2018 American Community Survey (5-Year) data.

Description

Depicts U.S. Census Block Groups with total population and land area from 2018 American Community Survey (5-Year) data. Population density (per square mile) was computed by Argonne National Laboratory.

Credits

U.S. Census, American Community Survey, Argonne National Laboratory

Use limitations

There are no access and use limitations for this item.

Extent

West -179.231086 **East** 179.859681
North 71.439786 **South** 17.831509

Scale Range

Maximum (zoomed in) 1:50,000
Minimum (zoomed out) 1:20,000,000

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE economy, society
* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Citation

TITLE Census Block Groups with Low Income and Minority Statistics
PUBLICATION DATE 2018
PRESENTATION FORMATS * digital map
OTHER CITATION DETAILS
Downloaded source data from <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-data.html>, specifically https://www2.census.gov/geo/tiger/TIGER_DP/2018ACS and processed files to join needed tables to block groups, merge state layers into U.S. layer, and compute environmental justice metrics.

Citation Contacts

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Jim Kuiper
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S ROLE processor

CONTACT INFORMATION

PHONE

VOICE 630-252-6206

ADDRESS

TYPE postal
DELIVERY POINT 9700 S. Cass Avenue
CITY Lemont
ADMINISTRATIVE AREA Illinois
POSTAL CODE 60439
COUNTRY US
E-MAIL ADDRESS jkuiper@anl.gov

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.0.12790

CREDITS

U.S. Census, American Community Survey, Argonne National Laboratory

ARCGIS ITEM PROPERTIES

* NAME census_block_group_acs_2018_5yr

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

DESCRIPTION

Data are from 2018 American Community Survey, 5-Year

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -179.231086

* EAST LONGITUDE 179.859681

* NORTH LATITUDE 71.439786

* SOUTH LATITUDE 17.831509

* EXTENT CONTAINS THE RESOURCE Yes

TEMPORAL EXTENT

DATE AND TIME 2018

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -19951913.227814

* EAST LONGITUDE 20021888.103147

* SOUTH LATITUDE 2017836.357457

* NORTH LATITUDE 11554348.349859

* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

INDIVIDUAL'S NAME Jim Kuiper
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE

VOICE 630-252-6206

ADDRESS

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DELIVERY POINT 9700 S. Cass Avenue
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ADMINISTRATIVE AREA Illinois
POSTAL CODE 60439
COUNTRY US

E-MAIL ADDRESS jkuiper@anl.gov

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100

X ORIGIN -22041257.77387803

Y ORIGIN -30241100

XY SCALE 144148035.89861274

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3857

WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS

["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID

["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT

["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER

["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER

["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER

["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 3857

* CODESPACE EPSG

* VERSION 8.8(9.3.1.2)

Spatial Data Properties

VECTOR

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME census_block_group_acs_2018_5yr

* OBJECT TYPE composite

* OBJECT COUNT 220333

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME census_block_group_acs_2018_5yr

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 220333

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT census_block_group_acs_2018_5yr

* TYPE Feature Class

* ROW COUNT 220333

FIELD OBJECTID

- * ALIAS OBJECTID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

FIELD Shape

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Coordinates defining the features.

FIELD STATEFP

- * ALIAS STATEFP
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD COUNTYFP

- * ALIAS COUNTYFP
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

FIELD TRACTCE

- * ALIAS TRACTCE
- * DATA TYPE String
- * WIDTH 6
- * PRECISION 0
- * SCALE 0

FIELD BLKGRPCE

- * ALIAS BLKGRPCE
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

FIELD GEOID

- * ALIAS GEOID
- * DATA TYPE String
- * WIDTH 12
- * PRECISION 0
- * SCALE 0

FIELD NAMELSAD

- * ALIAS NAMELSAD
- * DATA TYPE String
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

FIELD MTFCC

- * ALIAS MTFCC
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD FUNCSTAT

- ALIAS FUNCSTAT
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

FIELD ALAND

- * ALIAS ALAND
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD AWATER

- * ALIAS AWATER
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD INTPTLAT

- * ALIAS INTPTLAT
- * DATA TYPE String
- * WIDTH 11
- * PRECISION 0
- * SCALE 0

FIELD INTPTLON

- * ALIAS INTPTLON
- * DATA TYPE String
- * WIDTH 12
- * PRECISION 0
- * SCALE 0

FIELD GEOID_Data

- * ALIAS GEOID_Data
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD B17021e1

- * ALIAS Total individuals (last 12 mos)
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B17021e2

- * ALIAS Low-income (last 12 mos)
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e1

- * ALIAS Total individuals
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e2

- * ALIAS Not Hispanic or Latino
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e3

- * ALIAS White
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e4

- * ALIAS Black or African American
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e5

- * ALIAS American Indian and Alaskan Native
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e6

- * ALIAS Asian
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e7

- * ALIAS Native Hawaiian and Pacific Islander
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e8

- * ALIAS Other race
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e9

- * ALIAS Two or more races
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD TotalMinority

- * ALIAS Total Minority
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD HispLat

- * ALIAS Hispanic or Latino
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B17021e2Percent

- * ALIAS Percent: Low-income (last 12 mos)
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B17021e2PercentVsStThresh

- * ALIAS Low-income (last 12 mos) Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e2Percent

- * ALIAS Percent: Not Hispanic or Latino
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e2PercentVsStThresh

- * ALIAS Not hispanic or latino Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e3Percent

- * ALIAS Percent: White
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e3PercentVsStThresh

- * ALIAS White Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e4Percent

- * ALIAS Percent: Black or African American
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e4PercentVsStThresh

- ALIAS Black or African American Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e5Percent

- * ALIAS Percent: American Indian and Alaskan Native
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e5PercentVsStThresh

- * ALIAS American Indian and Alaskan Native Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e6Percent

- * ALIAS Percent: Asian
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e6PercentVsStThresh

- * ALIAS Asian Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e7Percent

- * ALIAS Percent: Native Hawaiian and Pacific Islander
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e7PercentVsStThresh

- * ALIAS Native Hawaiian and Pacific Islander Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e8Percent

- * ALIAS Percent: Other race
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e8PercentVsStThresh

- * ALIAS Other race Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e9Percent

- * ALIAS Percent: Two or more races
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD B03002e9PercentVsStThresh

- * ALIAS Two or more races Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD HispLatPercent

- * ALIAS Percent: Hispanic or Latino
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD HispLatPercentVsStThresh

- * ALIAS Hispanic or Latino Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD TotalMinorityPercent

- ALIAS Percent: Total Minority
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD TotalMinorityPercentVsStThresh

- * ALIAS Total Minority Percent - StatePct+20%
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD WhichSingleRaceOverThreshold

- * ALIAS Single Race Field Above Threshold
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD Shape_Length

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Length of feature in internal units.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

FIELD Shape_Area

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Metadata Details

- * METADATA LANGUAGE English (UNITED STATES)
- METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
- SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
- SCOPE NAME * dataset
- * LAST UPDATE 2021-02-23
- ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC
CREATED IN ARCGIS FOR THE ITEM 2021-02-22
LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-02-23
AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-02-23

Metadata Contacts

METADATA CONTACT

INDIVIDUAL'S NAME Jim Kuiper
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S ROLE point of contact

CONTACT INFORMATION

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ADMINISTRATIVE AREA Illinois

POSTAL CODE 60439

COUNTRY US

E-MAIL ADDRESS jkuiper@anl.gov

Metadata Maintenance

MAINTENANCE

UPDATE FREQUENCY not planned