

pdCensus2010 – Getting Started Guide

pdCensus2010 is a comprehensive United States national database with more than 150 valuable demographic variables drawn from Census 2010 data along with latitude and longitude coordinates, all sorted at multiple summary levels: State, County, Census Tract, Census Block Group, Census Block, County Subdivision, Subminor Civil Division (Puerto Rico Subbarrio), Consolidated City, Place, Congressional District, Legislative District(s), School District(s) and Zip Code Tabulation Area.

This product covers all 50 states, the District of Columbia and Puerto Rico. Built-in are the most useful counts and calculations from U.S. Census Bureau *Summary Files 1* (SF1) and succeeding updates, encompassing the areas of Geography, Population (including total count, gender, race, age, households and families) and Housing Units.

pdCensus2010 continues to be in development while the U.S. Census Bureau completes its current work on the Census data. Additionally, redistricting is not completed for all states, and there are many challenges in the courts to the current political district line designations. A finalized version of this product will be released in 2012Q4.

Note that all purchasers of a pre-finalized version of *pdCensus2010* will have an opportunity to download the finalized version **free of charge** once released.

Included Database Files

Three different file formats are included to insure compatibility with any database system. Each of the files contains the same data.

Three different file formats are included to insure compatibility with any database system. Each of the file formats contains the same data. 52 separate data files are provided in each format for each state, the District of Columbia and Puerto Rico. The xxxxx in the list below is a placeholder for the state name:

- xxxxx.CSV (comma-delimited ASCII text—MS Excel compatible)
- xxxxx.TXT (fixed length ASCII text)
- xxxxx.DBF (dBase/FoxPro—easily imports into MS Access)

Included User Documentation

- README.txt (general information)
- This Getting Started Guide
- pdCensus2010-List.pdf (list of included demographic variables)
- pdCensus2010-Layout.pdf (layout & data definitions)
- Distance-Formulas.pdf (distance calculation formulas & instructions)
- Site License (see Licensing below)

Version Number

The version number of each copy of *pdCensus2010* is written in the first or second row (depending on format) of the first column of the database files in **X.X.X.X** format. The first number is the version of the release. The number after the first dot is the update for the version indicated. The number after the second dot references a minor revision.

During the period this product is being further developed towards its final version in 2012Q4, a fourth indicator will be sequentially added to the version number: Alpha, Beta, Gamma, Delta, etc. (We could have used A, B, C, D, etc., but the Greek letters are more fun.) When the fourth indicator is gone, *pdCensus2010* will be finalized. However, updates will continue to be made available on a regular basis throughout the decade.

Layout & Data Definitions

File specifications can be found in the included *pdCensus2010-Layout.pdf* file. This gives the name of each field, the character type (character/alphanumeric or numeric), the width (including any decimal points, the starting point and the ending point) and the definition of the field contents.

Instructions

pdCensus2010 is drawn from U.S. Census Bureau 2010 *Summary File 1* (SF1) and succeeding updates. SF1 documents counts from the Census surveys conducted April-August 2010.

The product includes separate record sorts for each of 16 summary levels: State, County, Census Tract, Census Block Group, Census Block, County Subdivision, Subminor Civil Division (Puerto Rico Subbarrio), Consolidated City, Place, Congressional District, Legislative District—Upper Chamber, Legislative District—Lower Chamber, School District—Elementary, School District—Secondary, School District—Unified and Zip Code Tabulation Area.

Users can match at any of the summary levels against their lists to append the 2010 Census demographics contained in the fields beginning with **CD_G0000**. Note that while coverage is very high, the U.S. Census Bureau does not provide data for every field in every record.

The following fields are matched against at each summary level:

GeoFlag	Summary Level	Field(s) Matched Against
ST	State (<i>largest summary level</i>)	STATENUM
CO	County	STATENUM + COUNTYNUM
CT	Census Tract	STATENUM + COUNTYNUM + TRACT
BG	Census Block Group	STATENUM + COUNTYNUM + TRACT + BLKGRP
BL	Census Block (<i>smallest summary level</i>)	STATENUM + COUNTYNUM + TRACT + BLOCK
CS	County Subdivision	STATENUM + COUNTYNUM + COUNTYSUB
SB	Subminor Civil Division (Puerto Rico Subbarrios)	STATENUM + COUNTYNUM + COUNTYSUB + SUBMCD
CS	Consolidated City	STATENUM + CONCITY
PL	Place	STATENUM + PLACE
CD	Congressional District	STATENUM + CD
LU	State Legislative District—Upper Chamber	STATENUM + SLDUPR
LL	State Legislative District—Lower Chamber	STATENUM + SLDLWR
SE	School District—Elementary	STATENUM + SDELM
SS	School District—Secondary	STATENUM + SDSEC
SU	School District—Unified	STATENUM + SDUNI
ZC	Zip Code Tabulation Area	STATENUM + ZCTA

The included more than 150 Census 2010 demographics encompass the areas of Geography, Population (including total count, gender, race, age, households and families) and Housing Units.

Latitude and longitude coordinates are provided in three formats: seven-decimal, degrees/minutes/seconds (DMS) and converted to radians (for use in trigonometry functions—15 decimal places). The decimal and radian formats are most useful when calculating distances and radiuses while the DMS format is ideal when printing out the coordinates in documents and on websites.

For those calculating distances and radiuses, formulas and instructions are contained in the included *Distance-Formulas.pdf* file.

Licensing

If purchased as a standalone product, the Site License for this product can be found in the included *pdCensus2010-Site-License.pdf* file. If purchased as part of *pdSuite Master Collection*, it can be found in the included *pdSuiteMC-Site-License.pdf* file. Users are allowed to install *pdCensus2010* on all computers within a single company or organization (see the license for details). A Developer License is also available for separate purchase granting users the right to incorporate the information in for-profit services and products.

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