

pdZIP – Getting Started Guide

pdZIP is an up-to-date 5-digit ZIP Code database covering all 41,000+ ZIP Codes in the 50 U.S. states, the District of Columbia and territories.

The core of this product is the essential information provided at ZIP Code level: Latitude and Longitude coordinates, Preferred City and abbreviation, State name and abbreviation, County name in both long and short form, FIPS codes, Area Code, Time Zone and geographic size.

Additionally included are numerous counts from the 2010 and 2000 American national Census relating to population, gender, race, age, households, families, housing units, home value, income and employment.

Included Database Files

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

- pdZIP.xls (MS Excel)
- pdZIP.csv (comma-delimited ASCII text—CSV)
- pdZIP.txt (fixed length ASCII text)
- pdZIP.dbf (dBase/FoxPro—easily imports into MS Access)

Included User Documentation

- README.txt (general information)
- This Getting Started Guide
- pdZIP-Layout.pdf (layout & data definitions)
- Distance-Formulas.pdf (distance calculation formulas & instructions)
- Site License (see Licensing below)

Version Number

pdZIP is updated 4–6 times each year. The version number of each copy is written in the first or second row of the first column of the database files in **YYYY.X.X** format. The first four numbers is the year of release. The number after the first dot is the update for the year indicated. The number after the second dot references a minor revision.

Layout & Data Definitions

File specifications can be found in the included *pdZIP-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

Users can match the **ZIP** field against their lists to append the information contained in the fields beginning with **CITY**. Note that while coverage is very high, not all information is included for all records.

2010 and 2000 Census demographics are provided when a U.S. Census Bureau 5-digit Zip Code Tabulation Area matches a USPS 5-digit ZIP Code.

In some cases the information provided represents the ZIP Code but may not precisely correspond to certain addresses in your database. This is because some ZIP Codes fall into multiple areas, such as when they cross over city or county lines. In these cases the city preferred by the U.S. Postal Service is used along with the most representative county and area code.

Latitude and longitude coordinates are provided in three formats: four-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.

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pdZIP - 5-Digit ZIP Code Database

FIELD: name of the field. TYPE: field type; Chr = character or alphanumeric, Num = numeric. WIDTH: field width. DEC: number of decimal points. FROM: field starting point. TO: field ending point. DESCRIPTION: data definition of the field contents. Users can match the ZIP field against their lists to append the information contained in the fields beginning with CITY.

Field	Type	Width	Dec	Start	End	Description
PEACOCK_ID	Chr	10		1	10	Unique ID number assigned to each record
ZIP	Chr	5		11	15	5-digit USPS ZIP Code
CITY	Chr	28		16	43	Preferred city
CITYABBR	Chr	13		44	56	Preferred city abbreviation (filled if CITY is more than 13 characters long)
STATENUM	Chr	2		57	58	State 2-digit FIPS code number
STATEABBR	Chr	2		59	60	USPS state 2-character abbreviation
STATE	Chr	30		61	90	State name
COUNTYNUM	Chr	3		91	93	County 3-digit FIPS code number
COUNTY	Chr	30		94	123	County name
COUNTYLONG	Chr	33		124	156	County name in long form
AREACODE	Chr	3		157	159	Area Code (most common)
TIMEZONE	Chr	1		160	160	Time Zone (key): T = Atlantic E = Eastern C = Central M = Mountain P = Pacific A = Alaskan H = Hawaiian 1 = GMT+1 3 = PST-3 4 = PST-4 5 = PST-5 6 = PST-6 7 = PST-7
DAYSAVE	Chr	1		161	161	Y = Daylight Savings Time is recognized
LATITUDE	Chr	8		162	169	Latitude coordinate - 4 decimal places
LONGITUDE	Chr	9		170	178	Longitude coordinate - 4 decimal places
LATRAD	Num	18	15	179	196	Latitude coordinate: Converted to radians

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Field	Type	Width	Dec	Start	End	Description
						for use in trigonometry functions - 15 numeric places
LONRAD	Num	18	15	197	214	Longitude coordinate: Converted to radians for use in trigonometry functions - 15 numeric places
LATDMS	Chr	14		215	228	Latitude coordinate: Converted to Degrees/Minutes/Seconds
LONDMS	Chr	15		229	243	Longitude coordinate: Converted to Degrees/Minutes/Seconds
AREA	Num	10	3	244	253	Area in Square Miles
LAND	Num	10	3	254	263	Land Area in Square Miles
WATER	Num	10	3	264	273	Water Area in Square Miles
POPULATION	Num	10	0	274	283	Total Population (2010 Census)
POP2000	Num	10	0	284	293	Total Population (2000 Census)
MALES	Num	10	0	294	303	Male gender population (2010 Census)
FEMALES	Num	10	0	304	313	Female gender population (2010 Census)
WHITE	Num	10	0	314	323	White race alone (2010 Census)
BLACK	Num	10	0	324	333	Black or African American race alone (2010 Census)
ASIAN	Num	10	0	334	343	Asian race alone (2010 Census)
NATIVE	Num	10	0	344	353	American Indian, Alaska Native, Native Hawaiian or other Pacific Islander race alone (2010 Census)
OTHERRACE	Num	10	0	354	363	Other race alone (2010 Census)
MULTIRACE	Num	10	0	364	373	Two or more races (2010 Census)
HISPANIC	Num	10	0	374	383	Hispanic or Latino (2010 Census)
MEDIANAGE	Num	10	1	384	393	Median Age for total population (2010 Census)
MEDIANAGEM	Num	10	1	394	403	Median Age of Males (2010 Census)
MEDIANAGEF	Num	10	1	404	413	Median Age of Females (2010 Census)
HOUSEHOLDS	Num	10	0	414	423	Households (2010 Census)
FAMILIES	Num	10	0	424	433	Family Households (2010 Census)
FAMILIES18	Num	10	0	434	443	Family Households with one or more members under 18 years (2010 Census)
AVGHHSIZE	Num	10	2	444	453	Average Household Size (2010 Census)

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Field	Type	Width	Dec	Start	End	Description
AVGFAMSIZE	Num	10	2	454	463	Average Family Size (2010 Census)
GQINST	Num	10	0	464	473	Institutionalized Population in Group Quarters (2010 Census)
GQNONINST	Num	10	0	474	483	Non-Institutionalized Population in Group Quarters (2010 Census)
HOMEOWNOC	Num	10	0	484	493	Owner-Occupied housing units (2010 Census)
HOMERENTED	Num	10	0	494	503	Renter-Occupied housing units (2010 Census)
HOMEVACANT	Num	10	0	504	513	Vacant housing units (2010 Census)
HOMEMEDVAL	Num	10	0	514	523	Owner-Occupied home medium value (2000 Census)
HOMEMEDYR	Num	10	0	524	533	Median year houses were built (2000 Census)
INCOMEPC	Num	10	0	534	543	Average per-capita income (2000 Census)
INCOMEHH	Num	10	0	544	553	Average household income (2000 Census)
POVERTY	Num	10	0	554	563	Number of individuals living in poverty (2000 Census)
EMPLOYED	Num	10	0	564	573	Number of individuals employed (2000 Census)
COMMUTE	Num	10	0	574	583	Number of individuals who commute to work (2000 Census)

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