pitney bowes

World Premium Plus Points of Interest - Consumer Edition USA

Source Data Version 4.7
Data Model Version 2017.06

Product Guide

LICENSE

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Introduction

The World Premium Plus Points of Interest – Consumer Edition (WPPPOI-CSMR) for the United States is a unique addition to the World Points of Interest data portfolio to meet the needs of consumer services in the USA.The WPPPOI-CSMR USA dataset contains a rich set of consumer focused points of interest such as leisure hotspots, geographic features and consumer facing businesses.To provide customers with the most accurate location available for each point of interest, the position of the points of interest in the WPPPOI-CSMR USA dataset have been positioned using the Pitney Bowes Spectrum Enterprise Geocoding with Master Location Data (MLD) geocoded solutions.

This Product Guide provides information on the WPPPOI-CSMR USA dataset including installation, geographical coverage, and schema. The documentation also provides useful information to help users benefit from the data contained within the product. A Release Notes document is provided separately with every release, listing POI counts for each country, as well as any known data issues.

Features

The WPPPOI-CSMR USA dataset provides a wide array of features designed to help users improve their consumer-oriented services. Features include:

- Focused selection of POIs that concentrate on landmarks and services relevant to consumers
- Developed from the largest global geo-referenced POI dataset

- POI locations are geocoded using Pitney Bowes' comprehensive Global Geocoding services with Master Location Data (MLD)

- POIs are classified using both Pitney Bowes' MiCode and the Standard Industrial Classification (SIC) codes. These classifications are cross-referenced providing POIs with a hierarchical relationships between themselves and others in their 'family'.

- A globally consistent taxonomy ensures ease of use across borders

The WPPPOI-CSMR USA dataset allows users to make informed decisions around risk analysis, consider access to services, retail or recreational facilities, and is ideal for location-based marketing and "find my nearest" searches.

Premium POI Facts

Global POI data is acquired from our trusted partners and benefits from their extensive industry knowledge, reliable sources and quality processes to provide the most complete and up-to-date POI data available. Business data is collected from various government and autonomous sources such as Social Media, Payment/Trade Data, Government Registries, Company Financials, Yellow Pages, Bankruptcy Filings, News & Media, Search Engines and Directories, Direct Investigation, and Telephone Company Data.

The Pitney Bowes World Premium Plus POI – Consumer Edition (WPPPOI-CSMR) USA dataset has >10 Million business and non-business POIs in the United States. The WPPPOI-CSMR USA dataset includes over 1300 unique business categories to meet a broad range of user needs.

The global business landscape is dynamic in nature. The amount of data available and the frequency of change can be overwhelming to manage. Our partner incorporates an average of 5 million global updates per day into their source data to keep pace with an ever changing business environment.

For example, every minute:

- 271 businesses will move

- 1,274 business telephone numbers will change or be disconnected

- 1,411 businesses will have a lawsuit, lien or judgment filed against them

- 673 new businesses will open their doors

- 12 businesses will file bankruptcy

- 767 CEO or owner changes will occur

Every year:

- 2% of all addresses change

- 11% of Telephone numbers will change
- 7% of CEOs will change

Master Location Data

The Master Location Data (MLD) is the only multi-sourced geocoding dataset in the market. This point-level dataset includes virtually all mailable and non-mailable US addresses. With highly precise geocoding, and a unique nine-pass process, it selects and combines multiple point-level and street-level datasets to identify the most accurate location information with the most complete coverage.

Benefits

- Highest match rates in the industry
- Greater precision
- Most complete dataset of US business locations
- More accurate forward and reverse geocoding

A geocoder is assessed on the following three parameters:

1. **Match Rate**: The MLD has the most complete coverage of addresses and points for the US.

2. **Precision**: The MLD X9 location determination logic ensures highest precision coordinates.

3. **Speed**: The high throughput of the MLD dataset allows embedding into operational applications.

Based on the above observations, the decision to use the MLD Geocoding dataset was taken.

Installation

The WPPPOI-CSMR dataset is delivered as pipe delimited (|) text files (.TXT).

To install the WPPPOI-CSMR data product

1. Download the data to a directory on your computer.

2. Unzip the data.

3. Once unzipped, the data can be loaded into a database or opened directly into MapInfo Pro.

Coverage

WPPPOI–CSMR USA v4.6 contains POIs for The United States of America. The following table provides details of each country group, including the ISO3 codes (three-character ISO country codes) for each country included.

Country	ISO3 Code	Countries Included
United States Of America	USA	United States Of America

Spatial Referencing System

The WPPPOI-CSMR USA product uses the spatial referencing system defined in the following table:

Projection	Coordinate System	Coordinate Units
Longitude/Latitude	Longitude/Latitude (WGS84) EPSG 4326	Decimal Degrees

Dataset information and Use in MapInfo Professional

• The WPPPOI-CSMR USA dataset is delivered in a PIPE (|) delimited text file format

• The WPPPOI-CSMR USA Character Set is UTF-8

• The WPPPOI-CSMR USA dataset contains field names in the first row of the data file

• Some country datasets are very large, such as the USA, and will require a significant amount of memory to utilize them within MapInfo. To better utilize this data in a MapInfo environment you should extract the state/province or category of information you want and use the extracted file within MapInfo.

• To use WPPPOI-CSMR USA datasets in MapInfo

– Select 'Open' > 'Table'

- Select "Delimited ASCII (*.txt)" file type in the open dialog
- Select the POI text file you want to open
- In the "Delimited ASCII Information" dialog, select "Other" delimiter type and enter the Pipe character (|) as the delimiter
- Change the File Character Set to "Unicode UTF-8"
- Select the "Use first line for column titles" check box
- When the file is opened it will display in the MapInfo browser window. To display them on the map the TAB file set needs to be created.
- Select the 'Spatial' menu item
- Select the 'Create Points' item in the 'Create' section
- The pre-set configuration of the 'Create Points' dialog allows creation of points for each POI for display on the map. Longitude and Latitude fields are specifically important to the create points process, so ensure the X coordinates drop-down is set to 'longitude' and the Y coordinates drop-down is set to 'latitude'. You can change configuration settings to meet your needs.

When the POI Points are created, the TAB file set is available and the POIs are ready for display on the map. Open a base map and add the POI TAB file as a layer on the map to display the POIs.

Table Structure

This section contains information about the table structure of the WPPPOI-CSMR USA dataset.

Column Name	Description	Field Type & Length
Name	Primary / Registered name of the business	Nvarchar(150)
BrandName*	A Standardized name added for identifying unique brand names	Text
PB_ID	Pitney Bowes Software (PBS) Unique numeric identifier	Big Integer
Trade_Name**	Trading style name / Brand name used by the business	Nvarchar(150)
Franchise_Name***	Name of the business franchise	Nvarchar(75)
ISO3	Three character ISO code of the country	Nvarchar(3)
areaName4	Locality where the business is located	Nvarchar(100)
areaName3	City where the business is located	Nvarchar(100)
areaName2	District (or equivalent) where the business is located	Nvarchar(100)
areaName1	State (or equivalent) where the business is located	Nvarchar(100)

Column Name	Description	Field Type & Length
Stabb	Abbreviation for the State (or equivalent) where the business is located	Nvarchar(5)
Postcode	Postal code where the business is located	Nvarchar(25)
formattedAddress	Input address in a standarized addressing format as described by a set of attributes including House number, Street name, Streetname2, Areaname3 and Postcode	Nvarchar(200)
mainAddressLine	Address in a standarized addressing format including House number, Street name, and Streetname2	Nvarchar(150)
addressLastLine	Address in a standarized addressing format including Areaname3 and Postcode	Nvarchar(150)
Longitude	X value for the Point	Float
Latitude	Y value for the Point	Float
Country_access_code	International dialing code required to connect to the telephone or facsimile number	Nvarchar(8)
Tel_num	Primary voice telephone number for the business with no formatting or punctuation (this string contains all telecommunication number components [area code, exchange, number])	Nvarchar(35)
Faxnum	Primary facsimile number for the business with no formatting or punctuation (this string contains all telecommunication number components [area code, exchange, number])	Nvarchar(35)
Email	Email address of the business	Nvarchar(75)
Http	Uniform Resource Locator (URL) address of the business	Nvarchar(250)
Open_24h	Indicates whether the business is open 24 hours or not	Nvarchar(1)
Business_Line	Description of the operations (or activities) of the business, which relates to the primary four-digit 1987 US SIC code	Nvarchar(100)
SIC1	US 1987 SIC code which represents the primary operations of the business	Nvarchar(4)
SIC2	US 1987 SIC code for the secondary line of business operations as ranked by percent of sales / revenue	Nvarchar(4)
SIC8	SIC (8-digit) code identifying a line of operations for a business at the most specific level	Nvarchar(8)
SIC8_description	Description of the SIC8 code	Nvarchar(100)
MiCode	PBS POI classification by MiCode category, subcategory, and sub feature	Nvarchar(8)

Column Name	Description	Field Type & Length
Trade_Division	Level 1 POI category by business type	Nvarchar(150)
Group	Level 2 POI category by business type	Nvarchar(150)
Class	Level 3 POI category by business type	Nvarchar(150)
Sub_Class	Level 4 POI category by business type	Nvarchar(150)
Georesult	Results from geocoding indicates the success or failure of the geocoding operation as well as conveys information about the quality of the match (Each character of the Georesult code indicates the level of precision of the address component. To know more, click **here**.) (Description of T- codes geo results are present in (**Georesults Description**)	Nvarchar(25)
Confidence_code	PBS geocoded confidence value (Estimate of the correctness of the latitude and longitude assigned to a place) Possible values: High: The address portions match 90-100% to the database. Medium: The address portions match 78-89% to the database. Low: The address portions match 0-77% to the database.	Nvarchar(25)
Employee_Here	Estimated number of employees at the current location	Nvarchar(15)
Employee_count	Estimated total number of employees in the business organization, including subsidiaries and branch locations	Nvarchar(15)
Year_Start	Year when current ownership or management assumed control of the business or the year established, if no control change has taken place (not provided for branch records)	Nvarchar(4)
Sales_Volume_local	Estimated total annual sales / revenue for a business in local currency (not available for branch locations)	Nvarchar(20)
Sales_Volume_US_Dollars	Total annual sales / revenue for this business, expressed in US dollars as a signed, decimal field	Nvarchar(20)
Currency_Code	Code value describing the type of currency in which the sales volume (local currency) is expressed.	Nvarchar(4)

Column Name	Description	Field Type & Length
Agent_Code	Code value identifying whether the business imports goods or services for re-manufacture or sale, exports products or services to a foreign country, and / or is an agent for goods Possible values: A: Import / Export / Agent B: Imports and Exports C: Imports D: Imports and Agents E: Exports and Agents F: Agent (keeps no inventory, does not take title goods) G: Not available or none H: Exports	Nvarchar(1)
Legal_Status_Code	Code value describing the legal structure of the business	Nvarchar(3)
Status_Code	Code value describing the organizational status of the business Possible values: 0: Single Location (no other entities report to it) 1: Headquarter / Parent (branches and / or subsidiaries report to it) 2: Branch (secondary location of a headquarter) 4: Division (separate operation)	Nvarchar(1)
Subsidiary_Indicator	Indicates whether a business is more than 50% owned by another organization Possible values: 0: Not a subsidiary 3: Subsidiary	Nvarchar(1)
Parent_Business_Name	Primary name of the Parent / Headquarter company	Nvarchar(150)
Parent_address	Formatted address in a standardized format as described by Parent_Street_Address, Parent_Postcode, Parent_areaName3, Parent_areaName1 and Parent_Country	Nvarchar(200)
Parent_Street_Address	Physical street address of the Parent / Headquarter company	Nvarchar(100)
Parent_areaName3	City where the Parent / Headquarter is located	Nvarchar(100)
Parent_areaName1	State / province where the Parent / Headquarter is located	Nvarchar(100)
Parent_Country	Name of country where the Parent / Headquarter is located (in English)	Nvarchar(50)
Parent_Postcode	Postal code where the Parent / Headquarter is located	Nvarchar(25)

Column Name	Description	Field Type & Length
Domestic_Ultimate_Business_Name	Primary name of the domestic ultimate business (Domestic ultimate business is the highest business in the corporate family tree)	Nvarchar(150)
Domestic_Ultimate_address	Formatted address in a standarized format as described by Domestic_Ultimate_Street_Address, Domestic_Ultimate_Postcode, Domestic_Ultimate_areaName3 and Domestic_Ultimate_areaName1	Nvarchar(200)
Domestic_Ultimate_Street_Address	Physical street address of the domestic ultimate company	Nvarchar(100)
Domestic_Ultimate_areaName3	Name of the city where the domestic ultimate is located	Nvarchar(100)
Domestic_Ultimate_areaName1	State / province in which the domestic ultimate is located	Nvarchar(100)
Domestic_Ultimate_Postcode	Postal code for the city in which the domestic ultimate is located	Nvarchar(25)
Global_Ultimate_Indicator	Indicates whether the site record is the Global Ultimate within the corporate family tree	Nvarchar(1)
Global_Ultimate_Business_Name	Name of the ultimate company	Nvarchar(150)
Global_Ultimate_address	Formatted address in a standardized format as described by Global_Ultimate_Street_Address, Global_Ultimate_Postcode, Global_Ultimate_areaName3, Global_Ultimate_areaName1 and Global_Ultimate_Country	Nvarchar(200)
Global_Ultimate_Street_Address	Physical address of the ultimate company	Nvarchar(100)
Global_Ultimate_areaName3	Name of the city where the ultimate company is located	Nvarchar(100)
Global_Ultimate_areaName1	State / province in which the ultimate company is located	Nvarchar(100)
Global_Ultimate_Country	Name of the country where the ultimate company is located	Nvarchar(50)
Global_Ultimate_Postcode	Postal code of the ultimate company	Nvarchar(25)
Family_Members	Number of family members including the global ultimate, all subsidiaries and branches of the entire family tree worldwide	Nvarchar(5)
Hierarchy_Code	Number used with the status and subsidiary indicators to pinpoint the location of an establishment within a corporate hierarchy	Nvarchar(2)
Ticker_symbol	Abbreviation used to uniquely identify publicly traded shares (of the company) on a stock market (stock symbols may consist of letters, numbers or a combination of both)	Nvarchar(15)
Exchange_Name	Stock exchange where people trade the company's shares	Nvarchar(25)

Column Name	Description	Field Type & Length
CEO_Name	Chief Executive Officer's name (the full name of the individual who has the highest ranking authority at a specific location)	Nvarchar(100)
CEO_Title	Chief Executive Officer's Title (the formal title of the individual with the highest ranking authority at a specific location) (may be abbreviated in English)	Nvarchar(100)

*The field type of BrandName column is text because it exceeds the varchar limit of 255 characters

**Trade Name is used by different subsidiaries of the business, but are distinguished by word(s) or phrase(s). The word(s) may represent a specific line of business.
For example, different subsidiaries of the XYZ business may be XYZ Operations, XYZ Securities, and XYZ Logistics.

***Franchise outlets operate with a business' subsidiary name, but are distinguished by word(s) or phrase(s). The word(s) may represent a suburb or a town, a year, a colour, an entity or some other word(s) relevant to the business. Names that are identical or nearly identical to an existing registered name are not allowed.
For example, the XYZ Logistics subsidiary may have two Franchise outlets named XYZ Logistics New York, and XYZ Logistics 1999.

A – POI MiCode List

MiCode

MiCodes are Pitney Bowes proprietary codes which provide a unique feature classification system. Each MiCode identifies specific types of feature available within a Pitney Bowes product. To facilitate the searching for, and identification of specific features within Pitney Bowes datasets, each feature follows a classification taxonomy, namely Trade Division, Group, Class, Sub Class and SIC8 Description.

The following table lists some examples of MiCodes and their corresponding class attributes:

Trade_Division	Group	Class	Sub_Class	Micode	SIC8_ Description
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808971	Ice
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808972	Insecticide
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808973	Maps and charts
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808974	Plumbing and heating supplies
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808975	Police supply stores
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808976	Razors, electric
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808977	Religious goods
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808978	Rock and stone specimens
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808979	Rubber stamps
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808980	Sales barn
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808981	Sunglasses
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808982	Tents
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808983	Theater programs
Division G. - Retail Trade	Miscellaneous Retail	Retail Stores, Not Elsewhere Classified	Miscellaneous retail stores, nec	10808984	Theatrical equipment and supplies

To view the full MiCode-to-SIC lookup table, please click here.

B

B –   Best practice for querying
       the data

In order to extract the exact POIs of a particular brand, one should query the brandname column and use the following hierarchy of categories to focus down to the desired type of POI:-

• Trade_division

• Group

• Class

• Sub_class

• Micode

Due to the complexity of the dataset it is advisable to avoid using only one category to search on. For example, if a user searches for WALMART retail then the following SQL query needs to be executed:

(select brandname, trade_division, "Group", class, sub_class, micode

from USA

where brandname = 'WALMART')

BrandName	trade_division	Group	class	sub_class	micode	Description
WALMART	DIVISION E. - TRANSPORTATION AND PUBLIC UTILITIES	MOTOR FREIGHT TRANSPORTATION	PUBLIC WAREHOUSING AND STORAGE	GENERAL WAREHOUSING AND STORAGE/PORT/WAREHOUSE FACILITY	10241400	GENERAL WAREHOUSING AND STORAGE
WALMART	DIVISION G. - RETAIL TRADE	FOOD STORES	GROCERY STORES	GROCERY STORES/GROCERS	10010201	SUPERMARKETS, GREATER THAN 100,000 SQUARE FEET (HYPERMARKET)
WALMART	DIVISION G. - RETAIL TRADE	FOOD STORES	GROCERY STORES	GROCERY STORES/GROCERS	10010357	GROCERY STORES
WALMART	DIVISION G. - RETAIL TRADE	FOOD STORES	RETAIL BAKERIES	RETAIL BAKERIES	10010352	RETAIL BAKERIES
WALMART	DIVISION G. - RETAIL TRADE	GENERAL MERCHANDISE STORES	DEPARTMENT STORES	DEPARTMENT STORES	10010101	DEPARTMENT STORES

BrandName	trade_division	Group	class	sub_class	micode	Description
WALMART	DIVISION G. - RETAIL TRADE	GENERAL MERCHANDISE STORES	DEPARTMENT STORES	DEPARTMENT STORES	10752901	DEPARTMENT STORES, DISCOUNT
WALMART	DIVISION G. - RETAIL TRADE	MISCELLANEOUS RETAIL	DRUG STORES AND PROPRIETARY STORES	DRUG STORES AND PROPRIETARY STORES/PHARMACY	10230030	DRUG STORES AND PROPRIETARY STORES
WALMART	DIVISION G. - RETAIL TRADE	MISCELLANEOUS RETAIL	RETAIL STORES, NOT ELSEWHERE CLASSIFIED	MISCELLANEOUS RETAIL STORES, NEC	10808100	ALARM AND SAFETY EQUIPMENT STORES
WALMART	DIVISION G. - RETAIL TRADE	MISCELLANEOUS RETAIL	RETAIL STORES, NOT ELSEWHERE CLASSIFIED	OPTICAL GOODS STORES/OPTICIANS	10010372	OPTICAL GOODS STORES

The best practice for users looking for Walmart Retail Stores is to apply filters on brandname and category to restrict the search i.e. the following query:-

(Select brandname, trade_division, "Group", class, sub_class, micode

from USA

where brandname = 'WALMART' and (trade_divison like '%RETAIL TRADE%')

BrandName	trade_division	Group	class	sub_class	micode	Description
WALMART	DIVISION G. - RETAIL TRADE	FOOD STORES	GROCERY STORES	GROCERY STORES/GROCERS	10010201	SUPERMARKETS, GREATER THAN 100,000 SQUARE FEET (HYPERMARKET)
WALMART	DIVISION G. - RETAIL TRADE	FOOD STORES	GROCERY STORES	GROCERY STORES/GROCERS	10010357	GROCERY STORES
WALMART	DIVISION G. - RETAIL TRADE	FOOD STORES	RETAIL BAKERIES	RETAIL BAKERIES	10010352	RETAIL BAKERIES
WALMART	DIVISION G. - RETAIL TRADE	GENERAL MERCHANDISE STORES	DEPARTMENT STORES	DEPARTMENT STORES	10010101	DEPARTMENT STORES
WALMART	DIVISION G. - RETAIL TRADE	GENERAL MERCHANDISE STORES	DEPARTMENT STORES	DEPARTMENT STORES	10752901	DEPARTMENT STORES, DISCOUNT
WALMART	DIVISION G. - RETAIL TRADE	MISCELLANEOUS RETAIL	DRUG STORES AND PROPRIETARY STORES	DRUG STORES AND PROPRIETARY STORES/PHARMACY	10230030	DRUG STORES AND PROPRIETARY STORES
WALMART	DIVISION G. - RETAIL TRADE	MISCELLANEOUS RETAIL	RETAIL STORES, NOT ELSEWHERE CLASSIFIED	MISCELLANEOUS RETAIL STORES, NEC	10808100	ALARM AND SAFETY EQUIPMENT STORES
WALMART	DIVISION G. - RETAIL TRADE	MISCELLANEOUS RETAIL	RETAIL STORES, NOT ELSEWHERE CLASSIFIED	OPTICAL GOODS STORES/OPTICIANS	10010372	OPTICAL GOODS STORES

C – T - Code Georesults Description

C

Georesults Description

Geocode Type	Georesult	Description
Centroid	T0	Polygon centroid i.e. a Park
Manually Located	T1	Manually located, connected to the street network, one or more street network entrance points
	T2	Manually located, no associated street network entrance points, i.e. Mountain Peak or Beach
	T3	Manually located, at a pre-determined point connected to a street network, i.e. a Mountain Pass or Ferry Terminal
Forward Geocoded	T11	Address point location Exact House number and street name match
	T12	Address point location Numeric portion of house number match and street name match. The correct side of the street is not guaranteed
	T13	Interpolated location, house number range match and street name match
	T14	Interpolated location, street name match and nearby house number
	T15	Street Intersection
Reverse Geocoded	T16	Original Location, address matched to the closest street with matching street name and house number range
	T17	Original Location, address matched to the closest street end point with matching street name and house number range
	T18	Original Location, address matched to the closest street with matching street name
Forward Geocoded	T19	Grouped Street Centroid Location, Street Name match
Reverse Geocoded	T20	Original location, Address taken from nearest street segment
Forward Geocoded	T22	City Centroid
	T99	No Level Available