PTV GROUP

PTV Schools

Release 2023_V1.0
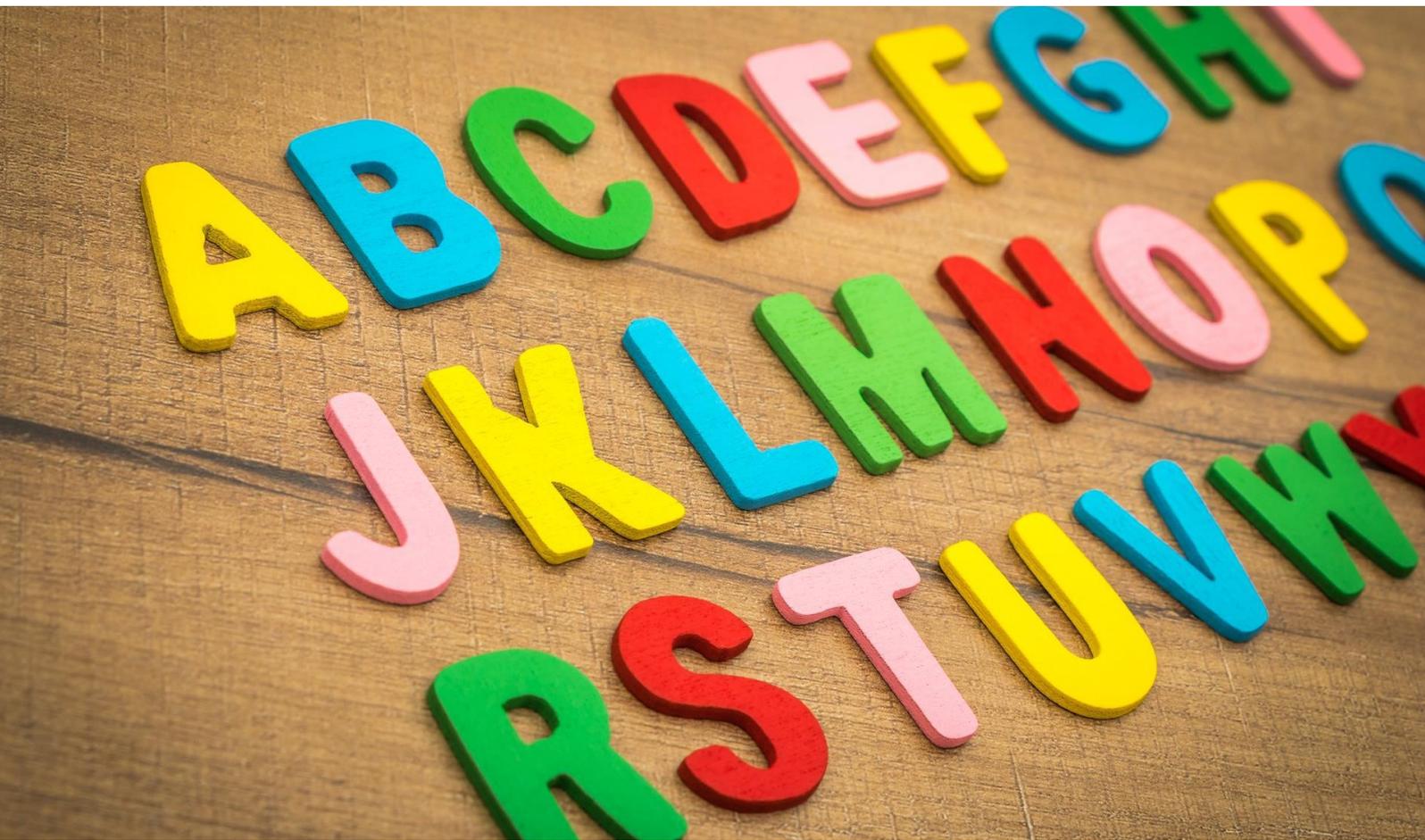
Contents

1   Introduction

PTV has now added the "PTV Schools" data set to its offer in order to complement the points of interest. The data set contains geocoded school addresses in Germany. In addition to name, address and geographic coordinates, additional information about the school type and number of students is included. Communication data is also available.

Details on the scope of the data set are described on the following pages.

The data package is maintained regularly and updated once a year. Despite careful research and checking, inconsistencies cannot be completely ruled out and there is no guarantee of a complete data set.

2   Changes in the releases

R2022_V1.0

In version R2022_V1.0, the following new school types have been added: School abroad, School of alternative medicine, Cosmetics school, School of art, Language school and School of economics. Furthermore, the URL attribute has been added to the Communication module.

R2021_V1.1

In version R2021_V1.1, contact information has been added and is now integrated in the Communication module.

R2021_V1.0

In version R2021_V1.0, nearly 4,000 schools were removed from the previous version due to closures and renaming, while about 5,000 new schools were added. Further quality audits led to the removal of another 3,000 schools.

R2020_V1.2

In release R2020_V1.2, the two new columns "hash" and "status" were introduced. The column "hash" contains a unique hash value, which can also be found in subsequent releases. The "status" column provides information about the history of an entry.

R2020_V1.1

The federal states were adjusted in release R2020_V1.1.

R2020_V1.0

The German school types "Evening Gymnasium", "Evening Realschule" and school types "College" and "School kindergarten" are new in release R2020_V1.0. Providers and also other types of schools were added, for example: private schools and public schools.

Likewise, release R2020_V1.0 now also includes 14 German-speaking private schools in Denmark and some private schools with a Danish / Greek background in Germany.

R2017_V1.0

The school types "Evening school" and "Other school" have been added since release R2017_V1.0.

The class and teacher details per school will not be continued as current official data is no longer available.

3   General information on the data set

Name of the product:	PTV Schools
Content of the data set:	Schools (public / private)
Coverage:	Germany
Subset possible:	See modules (chapter 4)
Source/copyright:	GeoJunxion BV, Capelle aan den Ijssel; PTV Planung Transport Verkehr GmbH, Karlsruhe
Data type:	Microgeometry / POI
Geometry type:	Point
Data from:	Q4 / 2022
Release:	R2023_V1.0
Number of data sets:	32,575
Standard data format:	MapInfo TAB, ESRI-Shape, Access, Excel, csv
Standard coordinate system:	Longitude / latitude (WGS 84)
Language:	German
Update interval:	Annually

4   Content and field description

4.1   Module: Basic

Column name	Description	Data type	Coverage in % **
hash	Unique hash value formed from the columns NAME, STRASSE, PLZ and ORT	Characters	100.00
status	Possible values: update: hash existent in previous release, at least one other field is different insert: hash not existent in previous release, entry is new confirm: hash existent in previous release, all fields are identical	Characters	100.00
bundesland	Federal state	Characters	100.00
typ	School type list	Characters	94.38
name	Name of the school / educational institution	Characters	100.00
strasse	Street, including house number	Characters	99.99
plz	Postcode	Characters	99.91
ort	Name of town	Characters	99.99
szahl	Number of pupils ***	Integer	55.47
abendgymna	The value 1 indicates that it is an evening Gymnasium. *	Short integer	0.25
abendreal	The value 1 indicates that it is an evening Realschule. *	Short integer	0.24
abend	The value 1 indicates that it is an evening school. *	Short integer	0.04
berufs	The value 1 indicates that it is a vocational school. *	Short integer	3.37
bildungsze	The value 1 indicates that it is an eduction center. *	Short integer	0.03
europa	The value 1 indicates that it is a European school. *	Short integer	3.59
fachober	The value 1 indicates that it is a technical secondary school. *	Short integer	9.38
forder	The value 1 indicates that it is a school for children with learning difficulties. *	Short integer	8.82

freie	The value 1 indicates that it is an independent school. *	Short integer	0.02
ganztags	The value 1 indicates that it is an all-day school. *	Short integer	4.21
gemeinscha	The value 1 indicates that it is an interdenominational school. *	Short integer	5.46
gesamt	The value 1 indicates that it is a comprehensive school. *	Short integer	2.79
grund	The value 1 indicates that it is a junior school. *	Short integer	48.90
gymnasium	The value 1 indicates that it is a German high-school type Gymnasium. *	Short integer	13.19
haupt	The value 1 indicates that it is a German high-school type Hauptschule. *	Short integer	12.88
internat	The value 1 indicates that it is a boarding school. *	Short integer	0.75
kolleg	The value 1 indicates that it is a college of further education. *	Short integer	0.00
konfession	The value 1 indicates that it is a denominational school. *	Short integer	0.01
mittel	The value 1 indicates that it is a middle school. *	Short integer	2.71
ober	The value 1 indicates that it is a high school. *	Short integer	7.00
offentlich	The value 1 indicates that it is a public school. *	Short integer	21.03
privat	The value 1 indicates that it is a private school. *	Short integer	10.97
real	The value 1 indicates that it is a German high-school type Realschule. *	Short integer	7.66
regel	The value 1 indicates that it is a regular school. *	Short integer	0.62
regionale	The value 1 indicates that it is a regional school. *	Short integer	0.68
schulkinde	The value 1 indicates that it is a school kindergarten. *	Short integer	0.43
sekundar	The value 1 indicates that it is a secondary school. *	Short integer	4.36
sonder	The value 1 indicates that it is a special-needs school. *	Short integer	0.22
staat	The value 1 indicates that it is a state school. *	Short integer	0.08
stadtteil	The value 1 indicates that it is a district school. *	Short integer	0.30
waldorf	The value 1 indicates that it is a Waldorf school. *	Short integer	0.66

auslandisc	The value 1 indicates that it is a school abroad. *	Short integer	0.00
heilprakti	The value 1 indicates that it is a school of alternative medicine. *	Short integer	0.00
kosmetik	The value 1 indicates that it is a cosmetics school. *	Short integer	0.00
kunstleris	The value 1 indicates that it is a school of art. *	Short integer	0.00
sprachen	The value 1 indicates that it is a language school. *	Short integer	0.00
wirtschaft	The value 1 indicates that it is a school of economics. *	Short integer	0.00
xcoord	Geocoded X-coordinates	Floating point	100.00
ycoord	Geocoded Y-coordinates	Floating point	100.00

4.2   Module: Communication

This module contains all the attributes in the Basic module plus communication data (e-mail, phone, URL).

Column name	Description	Data type	Coverage in % **
email	E-mail address	Characters	69.16
tel	Telephone number	Characters	93.91
url	Website	Characters	80.53

* The value 0 indicates that it is not a school of this type.

** The coverage indicates the percentage of information which is available in the data sets for the respective characteristic.

*** The value 0 indicates that no student numbers are available for this school.