

Classes

Bevrage

City

City \sqsubseteq PopulatedPlace

Continent

Continent \sqsubseteq PopulatedPlace

Country

Country \sqsubseteq PopulatedPlace

Dessert_Wine

Dessert_Wine \sqsubseteq Wine

Grape

PopulatedPlace

Province

Province \sqsubseteq Region

Red_Wine

Red_Wine \sqsubseteq Wine

Region

Region \sqsubseteq PopulatedPlace

Rose_Wine

Rose_Wine \sqsubseteq Wine

Sparkling_Wine

Sparkling_Wine \sqsubseteq Wine

White_Wine

White_Wine \sqsubseteq Wine

Wine

Wine \sqsubseteq Bevrage

Winery

measurePollution

Object properties

DateMeasure

$\exists \text{ DateMeasure Thing } \sqsubseteq \text{ measurePollution}$

city

$\top \sqsubseteq \leq 1 \text{ city Thing}$

$\exists \text{ city Thing } \sqsubseteq \text{ measurePollution}$

$\top \sqsubseteq \forall \text{ city PopulatedPlace}$

concentration

$\exists \text{ concentration Thing } \sqsubseteq \text{ measurePollution}$

concentrationCO

$\sqsubseteq \text{ concentration}$

concentrationNO2

$\sqsubseteq \text{ concentration}$

concentrationO3

$\sqsubseteq \text{ concentration}$

concentrationPM5

$\sqsubseteq \text{ concentration}$

country

$\sqsubseteq \text{ topObjectProperty}$

$\top \sqsubseteq \leq 1 \text{ country Thing}$

$\exists \text{ country Thing } \sqsubseteq \text{ Winery}$

$\exists \text{ country Thing } \sqsubseteq \text{ PopulatedPlace}$

$\exists \text{ country Thing } \sqsubseteq \text{ Wine}$

$\top \sqsubseteq \forall \text{ country Country}$

growingGrape

$\top \sqsubseteq \leq 1 \text{ growingGrape Thing}$

$\exists \text{ growingGrape Thing } \sqsubseteq \text{ Wine}$

$\top \sqsubseteq \forall \text{ growingGrape Grape}$

hasDystopiaValue

\sqsubseteq hasIndicator

hasEconomyValue

\sqsubseteq hasIndicator

hasFamilyValue

\sqsubseteq hasIndicator

hasFreedomValue

\sqsubseteq hasIndicator

hasGenerosityValue

\sqsubseteq hasIndicator

hasHappinessValue

\sqsubseteq hasIndicator

hasHealthValue

\sqsubseteq hasIndicator

hasIndicator

\exists hasIndicator Thing \sqsubseteq PopulatedPlace

hasTrustValue

\sqsubseteq hasIndicator

hasWhiskerHighValue

\sqsubseteq hasIndicator

hasWhiskerLowValue

\sqsubseteq hasIndicator

id

$\top \sqsubseteq \leq 1$ id Thing

\exists id Thing \sqsubseteq Wine

name

$\exists \text{ name Thing} \sqsubseteq \text{Country}$
 $\exists \text{ name Thing} \sqsubseteq \text{Wine}$
 $\exists \text{ name Thing} \sqsubseteq \text{Continent}$

price

$\exists \text{ price Thing} \sqsubseteq \text{Wine}$

province

$\exists \text{ province Thing} \sqsubseteq \text{Wine}$
 $\top \sqsubseteq \forall \text{ province Province}$

rating

$\exists \text{ rating Thing} \sqsubseteq \text{Wine}$

region

$\top \sqsubseteq \leq 1 \text{ region Thing}$
 $\exists \text{ region Thing} \sqsubseteq \text{Wine}$
 $\top \sqsubseteq \forall \text{ region Region}$

topObjectProperty**winery**

$\top \sqsubseteq \leq 1 \text{ winery Thing}$
 $\exists \text{ winery Thing} \sqsubseteq \text{Wine}$
 $\top \sqsubseteq \forall \text{ winery Winery}$