PxWebApi 2.0

Petros Likidis
Mikael Nordberg

Background

Background

- PxWeb
- What is an API (Application Program Interface)?
- For whom is the API?
  - For our users
  - And for ourself
- Pilot in 2013
  - Economical quick statistics

Version 1

Thing we hadn’t expected

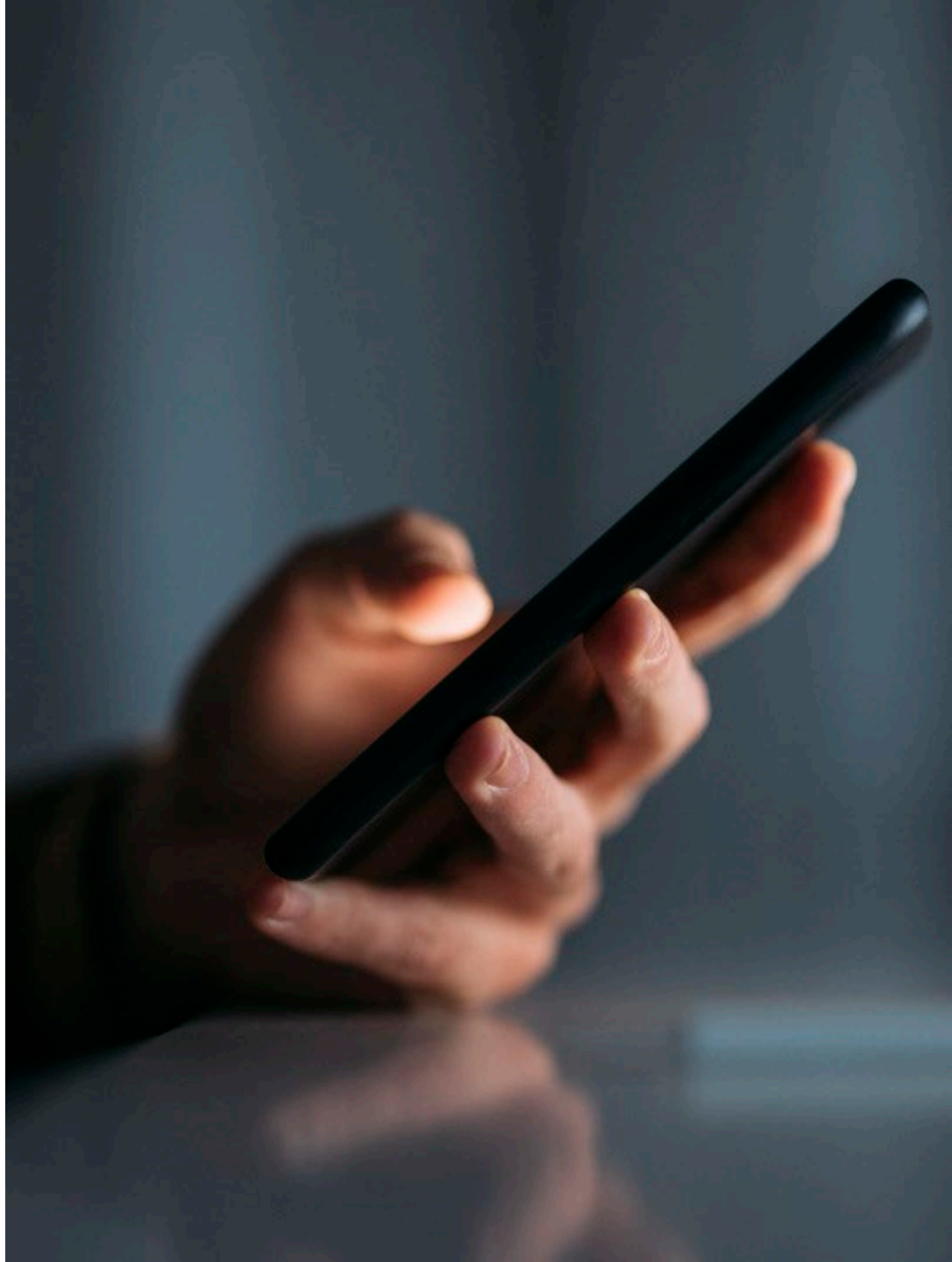
- Identifiers for the tables.
- Address to the tables
- Missing metadata
- ”Strange” metadata
- Many whish to be able to fetch data via GET.

Version 2.0

Version 2

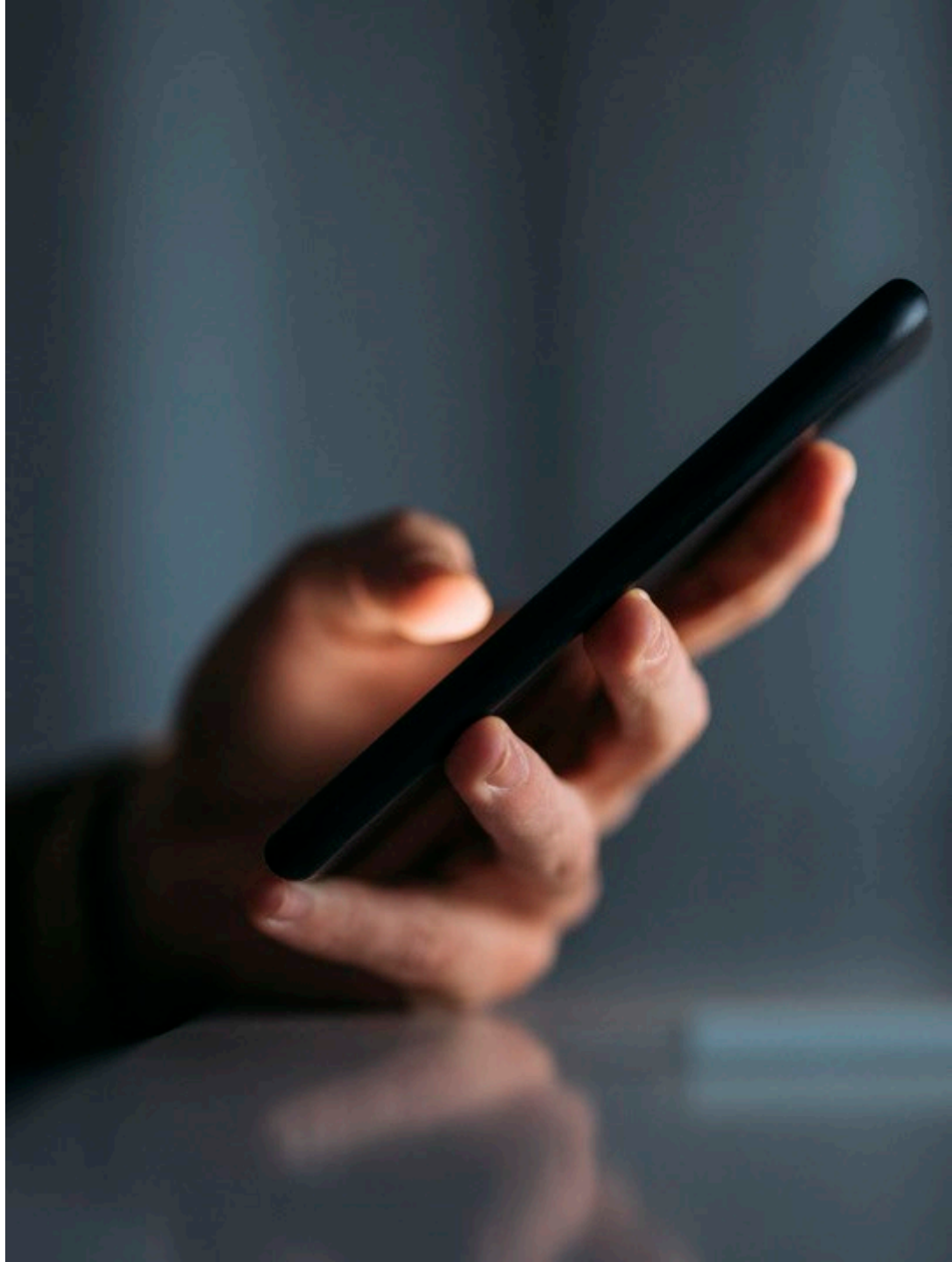
Get around the issues in version 1

- New identities for the tables.
- Other address to tables.
- More metadata.
- Support GET for fetching data.



Version 2 continued

- Self-descriptive
- More powerful expressions for fetching data.
- Specified it using Open API (3.0.2)
  - Easier for other to consume.
- Serve as base for PxWeb 2.0
  - More functionality



PxWeb 2022 v1

Svenska

/ Example

Example

Choose table — Choose variable — Show result

Search in Example:

Search

- AggregallowedNo
- aggregations
- AttributesCellnotes
- Autopen
- Descriptiondefault
- Doublecolumn
- error

/navigation

SCB

PxWeb 2022 v1

Svenska

/ Example

Example

Choose table — Choose variable — Show result

Search in Example:

Search

/tables

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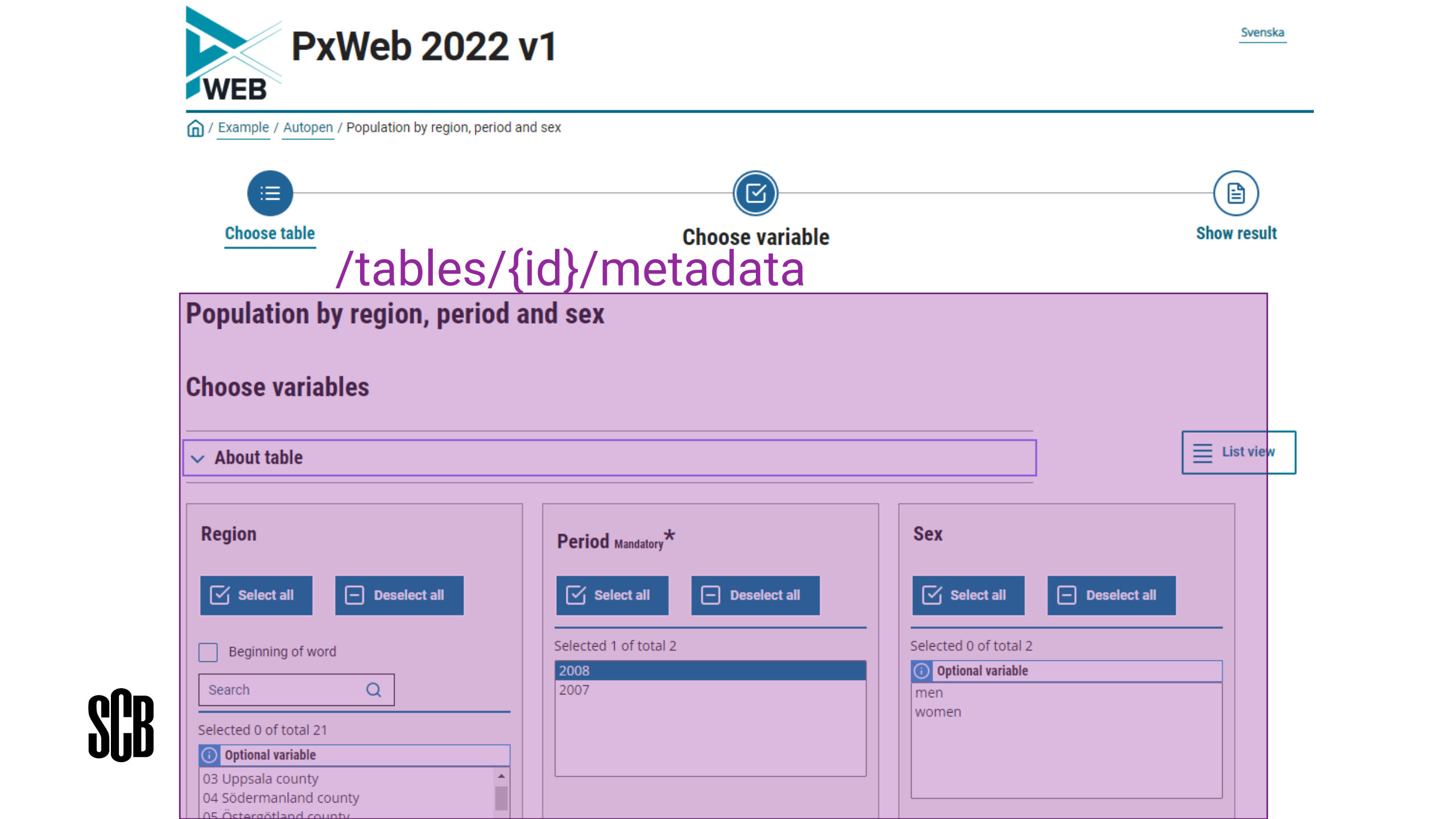
SCB


PxWeb 2022 v1
Svenska
/ Example / Autopen / Population by region, period and sex
Choose table
Choose variable
Show result
/tables/{id}/metadata
Population by region, period and sex
Choose variables
About table
List view
Region
Select all
Deselect all
Beginning of word
Search
Selected 0 of total 21
Optional variable
03 Uppsala county
04 Södermanland county
Period Mandatory*
Select all
Deselect all
Selected 1 of total 2
2008
2007
Sex
Select all
Deselect all
Selected 0 of total 2
Optional variable
men
women

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/ Example / Autopen / Population by region, period and sex

Choose table — Choose variable — Show result

Population by region, period and sex

/tables/{id}/data

Result

- About table
- Show result as...
- Edit and Calculate
- Save result as...
- Save your query
- Hide empty rows

Pivot manual | Pivot clockwise | Pivot counterclockwise | Fullscreen

	2007		2008	
	Men	Women	Men	Women
03 Uppsala county	160,281	162,989	162,386	164,802
04 Södermanland county	131,764	133,426	132,907	134,617
05 Östergötland county	210,531	210,278	212,026	211,143
06 Jönköping county	166,405	167,205	167,218	168,028

Obs:

The tables show the conditions on December 31st for each respective year according to administrative subdivisions of January 1st of the following year

region: 03 Uppsala county

Since 1 January 2007, Uppsala county has been expanded to include Heby municipality. Please note that the figures for the county are not comparable with earlier figures.

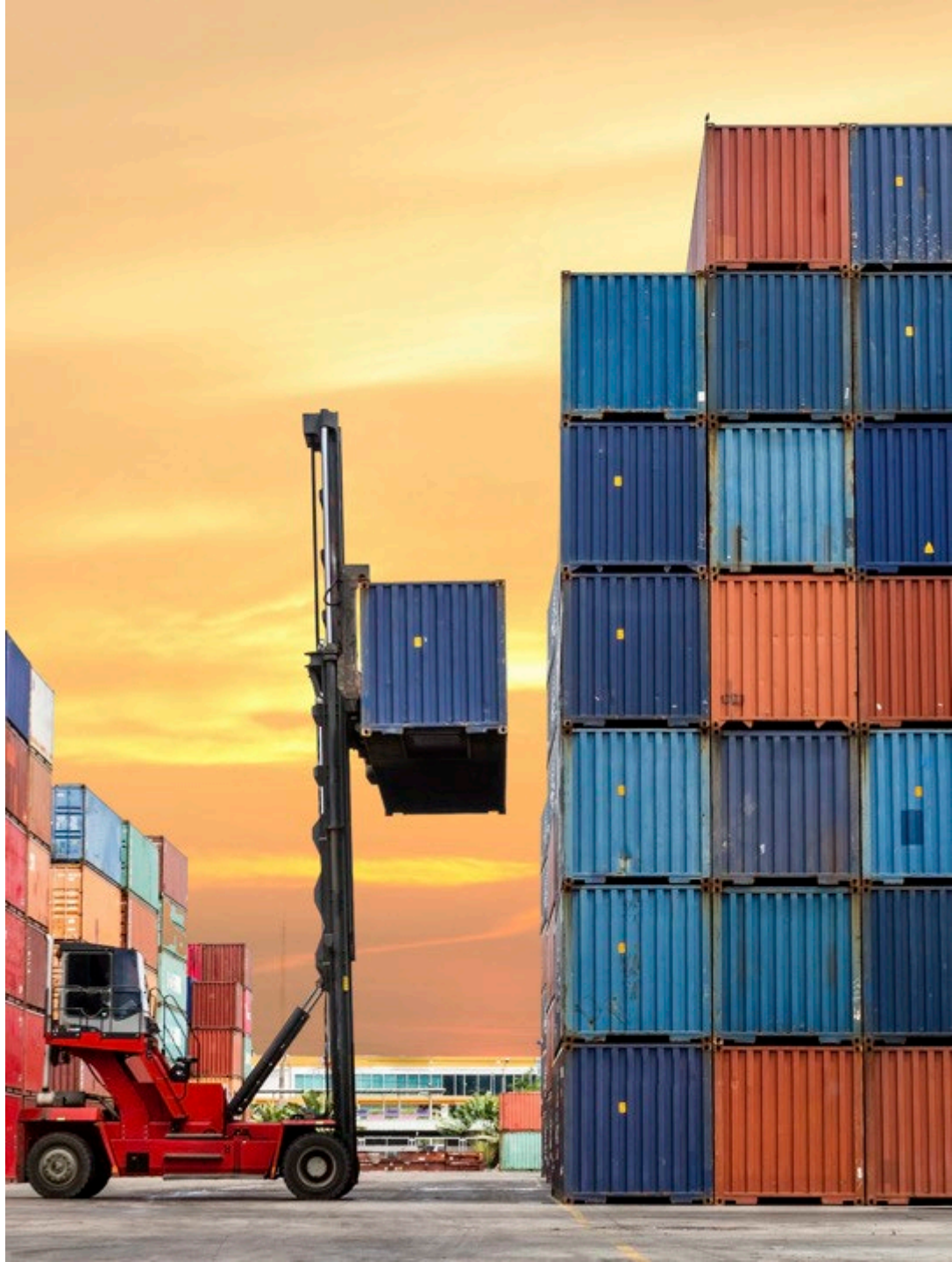
SCB

Selection expressions for fetching data

Selection expression is in the form

```
valuecodes[variable_code]=value_expresion1,
value_expression_2, …
```

Value expressions are either the value code or special expressions.



Value expressions

- ***** - zero or many characters.
- **?** - exactly one character.
- **TOP(N,Offset)** – First N number of values.
- **BOTTOM(N,Offset)** – Last N number of values.
- **RANGE(X,Y)** – From value with code X to value with code Y.
- **FROM(X)** - From value with code X and all values after.
- **TO(X)** From the first value to the value with code X.

Demo