

# DataWarehousePro™ Connectivity

## Data Query from Matworks' Matlab©

*Beta version*

For release on 20 October 2020, 12:00:00 UTC

### Release statements

DataWarehousePro™ (DWP) introduces a new remote API functionality and releases it for beta-testing. This document details the command syntax for querying DWP databases, and examples for establishing connectivity with Mathworks' MATLAB©.

Optimised for Matlab versions 2017a through 2020a.

### Instructions for functionality installation

Users must download `fromdwp.m` from [www.datawarehousepro.com](http://www.datawarehousepro.com) and add it to the Matlab's search path. `fromdwp.m` is the Matlab function created by the DWP team that allows you to download data from any publicly available DWP database.

We recommend to create a `DWPUtils` directory and copy the function there.

**Example:** Make a new directory `DWPUtils` and locate the function there, e.g. `C:\DWPUtils\fromdwp.m`. Then in the Matlab command window, type and execute

```
>> addpath C:\DWPUtils\
```

which activates the DWP data query functionality for all future Matlab sessions.

### Matlab command syntax

`fromdwp` downloads data from DataWarehousePro.com

`d = fromdwp('A', 'D', 'M')` returns data structure with requested timeseries. **A** is the account name at the DataWarehousePro.com, **D** is the databank acronym, **M** is the timeseries mnemonic.

The mnemonic(s) listed in the cell string **M** must refer to timeseries that are actually stored in the declared databank **D**. Otherwise `fromdwp` returns an empty data structure.

`d = fromdwp('A', 'D', {'m1', 'm2', ...})` queries multiple mnemonics from the same databank.

`d = fromdwp('A', 'D1', {'m1', 'm2', ...}, 'D2', {'m3', 'm4', ...}, ...)` queries multiple mnemonics from multiple databanks.

You must be connected to the Internet and your network must allow imports from the DataWarehousePro.com.

### Example:

```
>> d = fromdwp('newzealand', 'NAT', 'NZNAT2');
>> d.NZNAT2
ans =
    struct with fields:
        SeriesName: 'Gross domestic product (production),'
        DataBank: 'National Accounts'
        Units: 'millions of NZ$'
        Data: [131x1 double]
        Databank: 'NAT'
        FirstObservation: '1987Q2'
        LastObservation: '2019Q4'
```

imports consumer price index from the New Zealand database.

## Related releases

- Querying DWP from Microsoft Excel.
- Querying DWP from Microsoft Power BI.
- Querying DWP from EViews.
- Querying DWP from Octave.

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### Legal disclaimer

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