

NDK_HASNA

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- C/C++
- .Net

```
int __stdcall NDK_HASNA(const double * X,  
                        size_t      nSize,  
                        BOOL        intermediate  
                        )
```

Examine whether the given array has one or more missing values.

Returns

status code of the operation

Return values

NDK_SUCCESS Operation successful

NDK_FAILED Operation unsuccessful. See [Macros](#) for full list.

Parameters

[in] **X** is the univariate time series data (a one dimensional array).

[in] **nSize** is the number of observations in X.

[in] **intermediate** is a switch to tune the search for missing values:

- TRUE = Only search for intermediate missing values.
- FALSE = Search for all missing values in X.

Remarks

1. HASNA is available as of **version 1.58**.
2. HASNA is available only to premium (i.e. paid) users.
3. The time series is homogeneous or equally spaced.
4. The searches for a missing value (i.e. #N/A or empty cell) in the input time series.

Requirements

Header	SFSDK.H
Library	SFSDK.LIB
DLL	SFSDK.DLL

```
int NDK_HASNA(const double[] pData,  
              UIntPtr      nSize,  
              short        intermediate  
              )
```

Namespace: NumXLAPI
Class: SFSDK
Scope: Public
Lifetime: Static

Examine whether the given array has one or more missing values.

Returns

status code of the operation

Return values

NDK_SUCCESS Operation successful

NDK_FAILED Operation unsuccessful. See [Macros](#) for full list.

Parameters

[in] **pData** is the univariate time series data (a one dimensional array).

[in] **nSize** is the number of observations in pData.

[in] **intermediate** is a switch to tune the search for missing values:

- TRUE = Only search for intermediate missing values.
- FALSE = Search for all missing values in pData.

Exceptions

Exception Type	Condition
None	N/A

Requirements

Namespace	NumXLAPI
Class	SFSDK
Scope	Public
Lifetime	Static
Package	NumXLAPI.DLL

Examples

References

Hamilton, J.D.; [Time Series Analysis](#) , Princeton University Press (1994), ISBN 0-691-04289-6

Tsay, Ruey S.; [Analysis of Financial Time Series](#) John Wiley & SONS. (2005), ISBN 0-471-690740

See Also

[template("related")]
