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:notoc:

.. pandas documentation master file, created by

.. module:: pandas

*****
pandas documentation
*****

**Date**: |today| **Version**: |version|

**Download documentation**: `Zipped HTML <pandas.zip>`__

**Previous versions**: Documentation of previous pandas versions is available at
`pandas.pydata.org <https://pandas.pydata.org/>`__.

**Useful links**:
`Binary Installers <https://pypi.org/project/pandas>`__ |
`Source Repository <https://github.com/pandas-dev/pandas>`__ |
`Issues & Ideas <https://github.com/pandas-dev/pandas/issues>`__ |
`Q&A Support <https://stackoverflow.com/questions/tagged/pandas>`__ |
`Mailing List <https://groups.google.com/g/pydata>`__

:mod:`pandas` is an open source, BSD-licensed library providing high-performance,
easy-to-use data structures and data analysis tools for the `Python <https://www.python.org/>`__
programming language.

.. grid:: 1 2 2 2
    :gutter: 4
    :padding: 2 2 0 0
    :class-container: sd-text-center

    .. grid-item-card:: Getting started
        :img-top: _static/index_getting_started.svg
        :class-card: intro-card
        :shadow: md

        New to *pandas*? Check out the getting started guides. They contain an
        introduction to *pandas*' main concepts and links to additional tutorials.

        +++

        .. button-ref:: getting_started
            :ref-type: ref
            :click-parent:
            :color: secondary
            :expand:

            To the getting started guides

    .. grid-item-card:: User guide
        :img-top: _static/index_user_guide.svg
        :class-card: intro-card
        :shadow: md

        The user guide provides in-depth information on the
        key concepts of pandas with useful background information and explanation.

        +++

        .. button-ref:: user_guide
            :ref-type: ref
            :click-parent:
            :color: secondary
            :expand:

            To the user guide

```

```
.. grid-item-card:: API reference
    :img-top: _static/index_api.svg
    :class-card: intro-card
    :shadow: md
```

The reference guide contains a detailed description of the pandas API. The reference describes how the methods work and which parameters can be used. It assumes that you have an understanding of the key concepts.

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```
.. button-ref:: api
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    :expand:
```

To the reference guide

```
.. grid-item-card:: Developer guide
    :img-top: _static/index_contribute.svg
    :class-card: intro-card
    :shadow: md
```

Saw a typo in the documentation? Want to improve existing functionalities? The contributing guidelines will guide you through the process of improving pandas.

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```
.. button-ref:: development
    :ref-type: ref
    :click-parent:
    :color: secondary
    :expand:
```

To the development guide

```
.. toctree::
    :maxdepth: 3
    :hidden:
    :titlesonly:
```

```
getting_started/index
user_guide/index
reference/index
development/index
whatsnew/index
```