

Чтение файлов с помощью Pandas

pd.read_excel

```
class pandas.read_excel(  
    io, sheet_name=0, header=0, names=None,  
    index_col=None, usecols=None, squeeze=False,  
    dtype=None, engine=None, converters=None,  
    true_values=None, false_values=None,  
    skiprows=None, nrows=None, na_values=None,  
    keep_default_na=True, na_filter=True,  
    verbose=False, parse_dates=False,  
    date_parser=None, thousands=None,  
    comment=None, skipfooter=0,  
    convert_float=None, mangle_dupe_cols=True,  
    storage_options=None)
```

CSV — текстовый формат,
предназначенный
для хранения табличных
данных.



Чтение файлов с помощью Pandas

CSV

Comma-Separated Values

(значения, разделённые запятыми).

CSV

 **partner_data.csv**

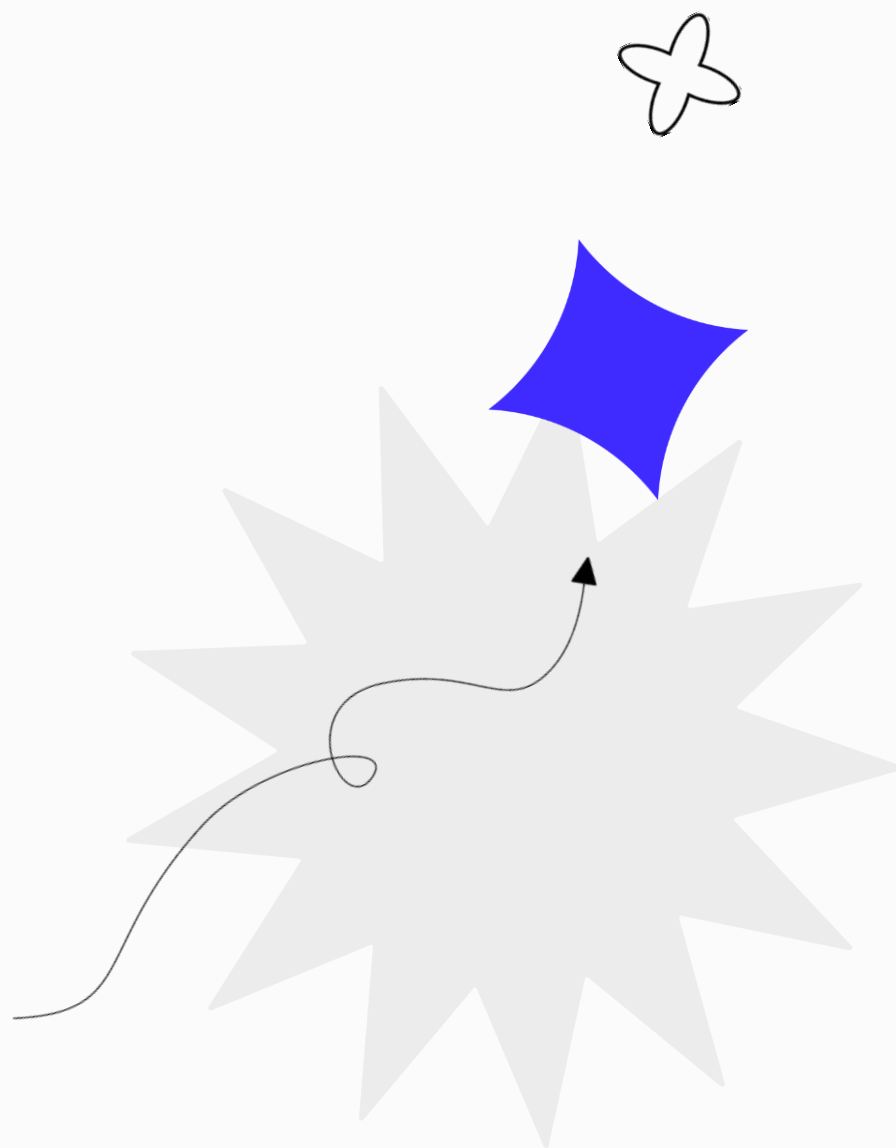
```
id,age,job,marital,education,balance,housing,loan,default
1,26.0,unemployed,married,tertiary,454,yes,yes,no
2,25.0,technician,married,secondary,517,no,no,no
3,36.0,technician,single,secondary,1044,yes,no,no
4,45.0,blue-collar,married,secondary,146,yes,yes,no
5,27.0,management,married,tertiary,145,no,no,no
6,45.0,unemployed,divorced,primary,11,no,no,yes
7,35.0,management,married,tertiary,298,yes,no,no
8,27.0,technician,single,secondary,905,yes,yes,no
9,,management,married,tertiary,-485,yes,no,yes
10,32.0,unemployed,married,secondary,10,yes,no,no
11,46.0,blue-collar,married,secondary,78,yes,yes,no
12,53.0,management,married,tertiary,0,no,no,no
13,32.0,management,single,tertiary,223,no,no,no
14,34.0,student,,tertiary,387,yes,no,no
15,58.0,management,married,tertiary,96,no,no,no
16,77.0,retired,married,tertiary,0,no,no,no
17,31.0,blue-collar,single,secondary,-161,no,no,no
18,47.0,blue-collar,,secondary,3630,yes,no,no
19,,blue-collar,married,secondary,302,no,yes,no
```

pd.read_csv

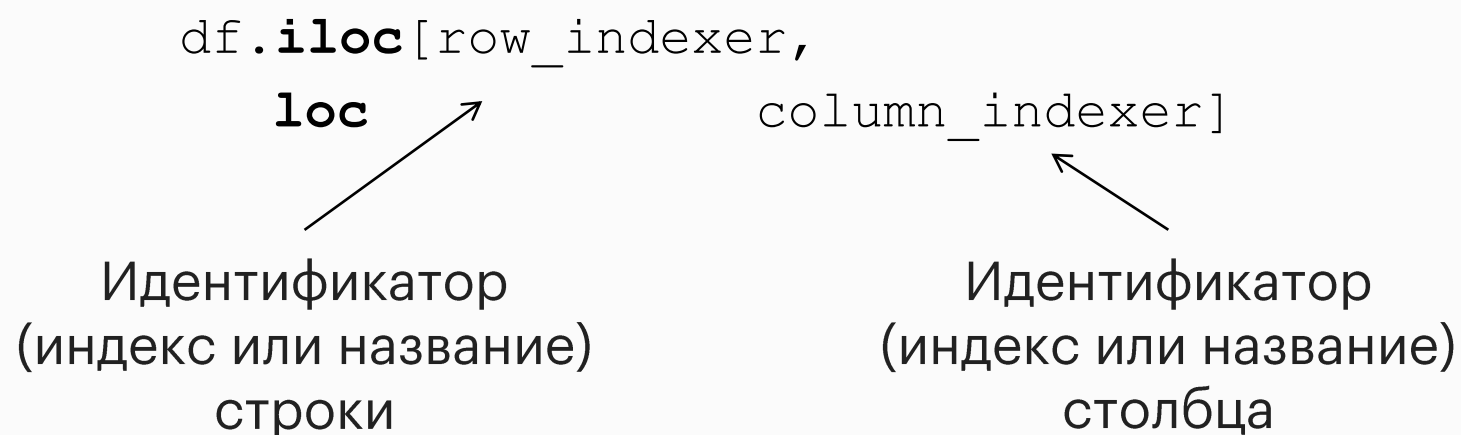
```
class pandas.read_csv(  
    filepath_or_buffer, sep=NoDefault.no_default, delimiter=None,  
    header='infer', names=NoDefault.no_default, index_col=None,  
    usecols=None, squeeze=False, prefix=NoDefault.no_default,  
    mangle_dupe_cols=True, dtype=None, engine=None,  
    converters=None, true_values=None, false_values=None,  
    skipinitialspace=False, skiprows=None, skipfooter=0,  
    nrows=None, na_values=None, keep_default_na=True,  
    na_filter=True, verbose=False, skip_blank_lines=True,  
    parse_dates=False, infer_datetime_format=False,  
    keep_date_col=False, date_parser=None, dayfirst=False,  
    cache_dates=True, iterator=False, chunksize=None,  
    compression='infer', thousands=None, decimal='.',  
    lineterminator=None, quotechar='"', quoting=0,  
    doublequote=True, escapechar=None, comment=None,  
    encoding=None, encoding_errors='strict', dialect=None,  
    error_bad_lines=None, warn_bad_lines=None, on_bad_lines=None,  
    delim_whitespace=False, low_memory=True, memory_map=False,  
    float_precision=None, storage_options=None)
```

Выбор элементов

- 1 `.iloc` — по индексу
- 2 `.loc` — по названию



Выбор элементов



Полный срез

