

Show installed versions

<code>pd.__versions__</code>	Python version
<code>pd.show_versions()</code>	Dependency & versions

Create an example DataFrame

<code>df = pd.DataFrame({'col one':[100, 200], 'col two':[300, 400]})</code>	Dictionary method
<code>pd.DataFrame(np.random.rand(4, 8), columns=list('abcdefgh'))</code>	Rand method

Rename columns

<code>df = df.rename({'col one':'col_one', 'col two':'col_two'}, axis='columns')</code>	Overwrite old names (keys) with new names (values)
<code>df.columns = ['col_one', 'col_two']</code>	Rename all of the columns at once
<code>df.add_prefix('X_')</code>	Add a prefix
<code>df.add_suffix('_Y')</code>	Add a suffix

Reverse row order

<code>drinks.loc[::-1].head()</code>	Reverse only
<code>drinks.loc[::-1].reset_index(drop=True).head()</code>	Reverse and reset index

Reverse column order

<code>drinks.loc[:, ::-1].head()</code>	Reverse the left-to-right order of your columns
---	---

Select columns by data type

<code>drinks.select_dtypes(include='number')</code>	To select only the numeric columns
<code>drinks.select_dtypes(include=['number', 'object', 'category', 'datetime'])</code>	Include multiple data types by passing a list
<code>drinks.select_dtypes(exclude='number')</code>	Exclude certain data types

Convert strings to numbers

<code>df.astype({'col_one':'float', 'col_two':'float'}).dtypes</code>	To do mathematical operations on these columns, we need to convert the data types to numeric. This will fail if there are '-' or NAN
<code>pd.to_numeric(df.col_three, errors='coerce').fillna(0)</code>	If you know that the NaN values actually represent zeros, you can fill them with zeros using the <code>fillna()</code> method
<code>df = df.apply(pd.to_numeric, errors='coerce').fillna(0)</code>	you can apply this function to the entire DataFrame all at once by using the <code>apply()</code> method



By **Ianh**
cheatography.com/ianh/

Not published yet.
 Last updated 12th July, 2019.
 Page 1 of 1.

Sponsored by **ApolloPad.com**
 Everyone has a novel in them. Finish Yours!
<https://apollopad.com>