Whats new in Pandas

Jeff Reback

@jreback

PyDataNYC 2015

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https://github.com/jreback/PyDataNYC2015/tree/master/whats-new-in-pandas

- Enhancements
- API Changes
- Deprecations
- Performance Improvements
- Bug Fixes

v0.14.x

May 2014

- MultiIndexing using Slicers
- `.select_dtypes()`

v0.15.x

October 2014

- Categorical
- Timedelta
- .dt

v0.16.x

March 2015

- `.assign()`
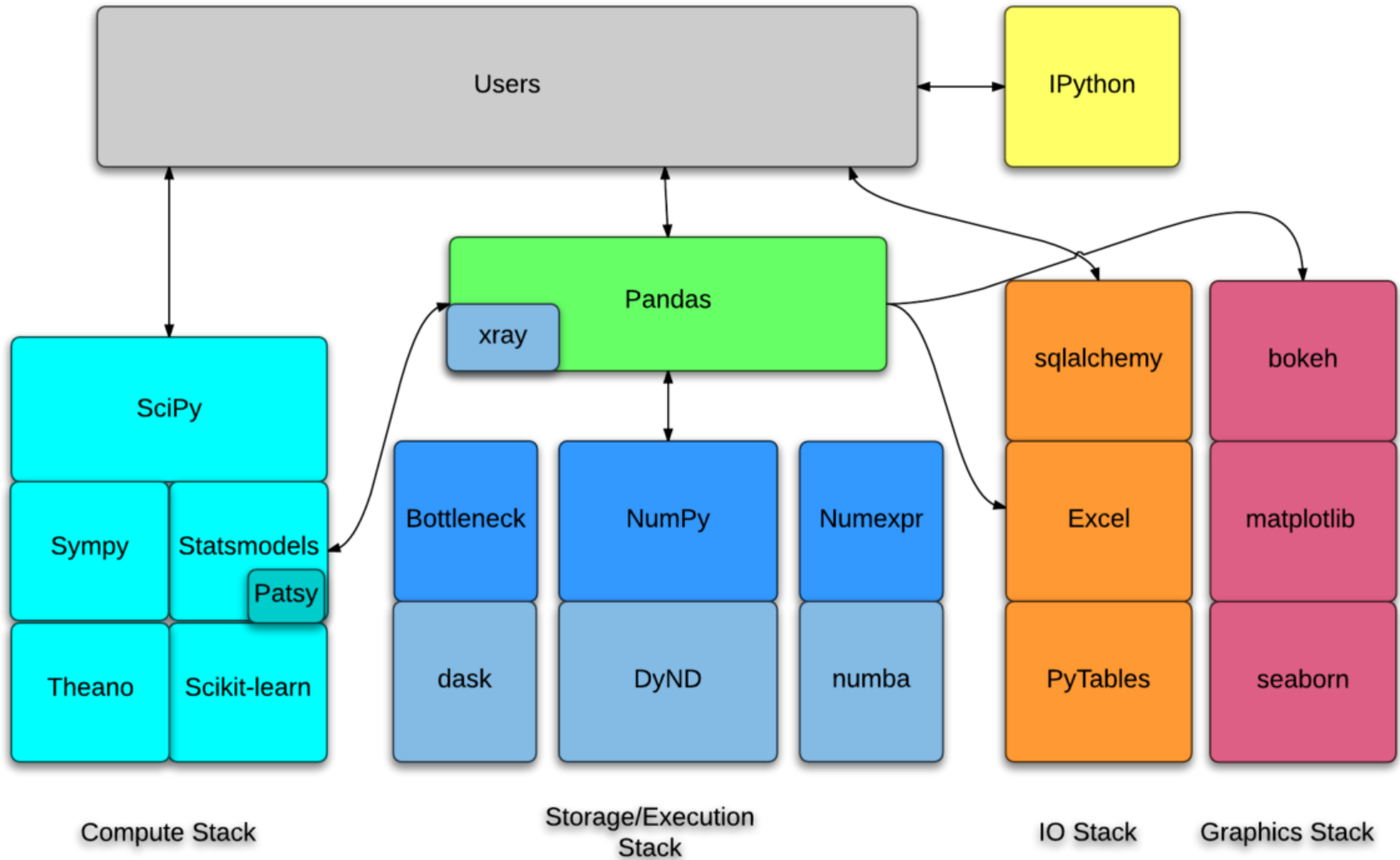- `CategoricalIndex`
- `.sample()`
- `.pipe()`

v0.17.x

October 2015

- release the GIL
- `.plot`
- `datetime64[ns, tz]`
- `.sort_values()`

Future

- consolidate option
- xray / Panel
- period/Interval dtype
- `.to_html()`
- Int NA dtype support
- numba support
- dask support

PyData Stack

| Users | | IPython |

Pandas

xray

Compute Stack
- SciPy
- Sympy
- Statsmodels
- Patsy
- Theano
- Scikit-learn

Storage/Execution Stack
- Bottleneck
- NumPy
- Numexpr
- dask
- DyND
- numba

IO Stack
- sqlalchemy
- Excel
- PyTables

Graphics Stack
- bokeh
- matplotlib
- seaborn

How to contribute

https://github.com/pydata/pandas/issues

This Talk

https://github.com/jreback/PyDataNYC2015/tree/master/whats-new-in-pandas

@jreback