

### xlwings Reports

xlwings Reports is a Python-based solution for automated Excel and PDF reporting. It allows business users without Python knowledge to generate pixel-perfect factsheets by using placeholders in Excel workbooks: xlwings Reports separates the data acquisition (Python code) from the report design (Excel template).

### Placeholders and Filters

To use a Python variable as placeholder in your Excel template, put it in between two curly braces. Powerful filters (separated by the pipe character) allow the designer to prepare and format the data and graphics in the desired way.

E.g., `{{ fund_return | format("%.1%") }}` will format the variable `fund_return` with the value `-0.483` as percentage with one decimal like so: `-48.3%`.

### Features

**Text:** Easily format your text via Markdown syntax and use your favorite text editor including Microsoft Word, Google Docs, VS Code etc.

**Tables:** Write pandas DataFrames to Excel cells and Excel tables and format them dynamically based on the number of rows.

**Charts:** Use your favorite charting engine: Excel charts, Matplotlib, or Plotly.

**Images:** You can work with both raster (e.g., png) or vector (e.g., svg) graphics, including dynamically generated ones like QR codes or Python plots.

**Multi-column layout:** Split your content up into e.g. a classic two-column-layout by using Frames.

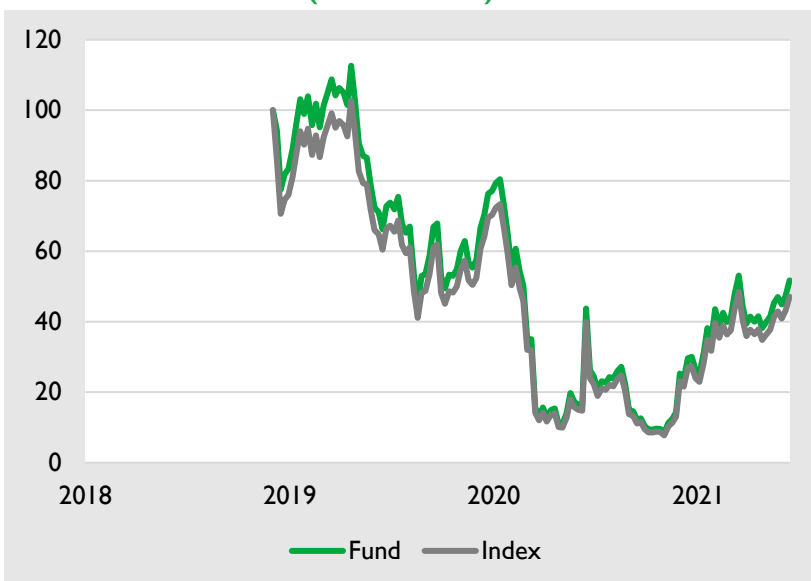
**Single template:** Generate reports in various languages, for various funds etc. based on a single template.

**PDF report (small size):** Generate PDF reports automatically and “print” the reports on PDFs in your corporate layout for pixel-perfect results including headers, footers, backgrounds and borderless graphics. This technique keeps the file size small.

**Easy pre-processing:** Since everything is Python-based, you can connect to literally any data source without paying thousands of dollars for custom connectors. Use your favorite Python library (e.g. pandas) for cleaning and preparing your data.

**Easy post-processing:** Again, with Python you’re just a few lines of code away from attaching the PDF reports to your weekly newsletter. Or you can upload them to your web server, S3 bucket etc.

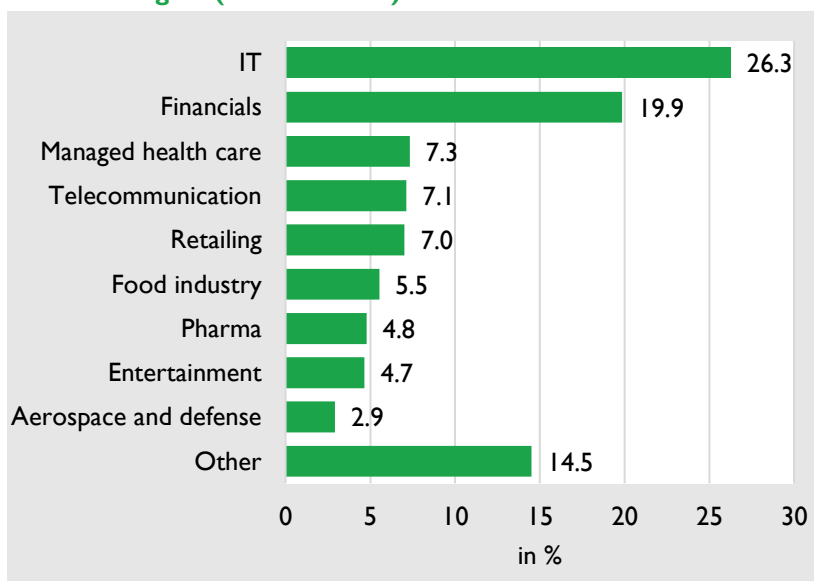
### Historical Performance (as of 08/12/21)



### Largest Positions (as of 08/12/21)

Company	Weight in %
Microsoft	17.0
JPMorgan Chase	8.0
UnitedHealth Group	7.3
Verizon Communications	7.1
Goldman Sachs	6.5
The Walt Disney Company	4.7
McDonald's	4.5
Other	44.9

### Sector Weights (as of 08/12/21)



© 2021 Zoomer Analytics LLC. This report was generated on 08/12/21 17:26:24. This could be a disclaimer: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent pharetra tortor sit amet tristique auctor. Proin commodo gravida dui, sit amet consectetur massa tristique sit amet. Nam ultricies erat ac tortor egestas, eget rutrum nulla lacinia. Nunc at massa placerat, gravida dolor quis, volutpat velit. Vestibulum ultricies ante nec vehicula venenatis. Phasellus consequat neque at turpis fermentum, eget euismod nunc interdum. Aliquam non ultricies quam. In eu nisl lorem. Vestibulum at ultrices felis. Maecenas at mattis arcu. Nunc mattis nibh et ante porta eleifend. Vivamus non erat congue, ornare dolor quis, viverra lorem. Suspendisse at pulvinar enim. Etiam gravida lacus sed maximus eleifend.

Proin eu orci et dolor feugiat tempus. Phasellus vel vestibulum nunc. Phasellus non urna urna. Nullam massa odio, vulputate vitae nunc ut, placerat convallis nunc. Aenean vehicula ex eget lacus rhoncus dapibus. Nunc accumsan orci nec vulputate eleifend. Curabitur aliquam ullamcorper mi, sit amet commodo felis feugiat quis. Maecenas in justo ut risus consectetur facilisis at ac ex. Etiam efficitur magna nunc. Suspendisse gravida vestibulum elementum. Nunc diam tellus, lacinia vitae molestie non, auctor vitae orci.

Fusce pharetra id tellus a feugiat. Fusce at nulla non tellus facilisis tristique. Aliquam ultricies finibus arcu, non suscipit lectus accumsan non. Mauris accumsan dictum nisl et dictum. Donec convallis vel felis eu dapibus. Donec ante libero, fringilla a sagittis nec, pellentesque a mauris. Vivamus dignissim pulvinar risus, suscipit eleifend risus consequat et. Aenean vulputate molestie sapien, eu feugiat urna mattis eget. Fusce aliquet felis mi, sit amet venenatis lacus consectetur a. In felis justo, mattis id consequat in, dapibus sed velit. Quisque vitae fermentum mauris. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam et gravida lorem.

Cras aliquet blandit mauris a posuere. Phasellus ac cursus justo, at tincidunt augue. Nulla facilisi. Donec vel porta leo, eget finibus dui. Quisque id enim vulputate, ornare ex in, faucibus mi. Vestibulum vel ligula pharetra, tristique justo vitae, porta leo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Aliquam ornare dignissim turpis a porttitor. Aliquam erat volutpat.

Nulla scelerisque tristique mattis. Suspendisse consequat ligula ex, eget porttitor odio pulvinar vitae. In pharetra risus in dolor viverra pharetra. Nam malesuada lacinia nisi vel pharetra. Duis euismod ex magna, sed maximus libero sagittis a. Proin facilisis dolor mauris, sit amet luctus tellus porta at. Pellentesque pulvinar pharetra sem, vitae auctor justo ultricies sed. Aenean luctus purus vitae cursus hendrerit.

