Accessible Visualizations require implementations that are not re-usable across toolkits, and lack standardized user experiences. Olli is an open-source Javascript library that converts existing visualizations from many popular toolkits into standardized, accessible user experiences.

Creating an Accessible Visualization

Visualization specifications are passed into an Olli adapter to generate an OlliVisSpec.

Extending Olli to Support Additional Toolkits

Olli includes built-in adapters for Vega, Vega-Lite, and Observable Plot.

Olli encourages reusability through an adapter design pattern with a simple interface.

Supported Chart Types

Bar Charts

Scatterplots

Line Charts

Faceted Charts

Stacked Bar Charts

Multi-Series Line Charts

A scatterplot showing body mass and flipper lengths of penguins, with 2 axes and 1 legend
Y-Axis for a quantitative scale with values from 2700 to 6300
X-Axis for a quantitative scale with values from 172 to 231
Range 170, 180, 8 values in the interval
Range 180, 190, 70 values in the interval
Legend titled ‘Species’ with 3 values
Grid view of the data

For more visualizations and examples, visit https://mitvis.github.io/olli/