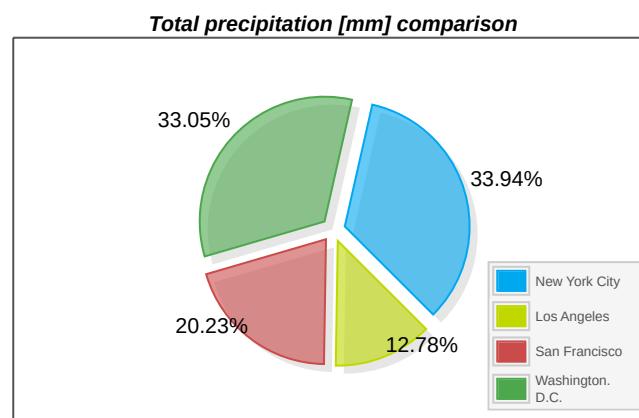
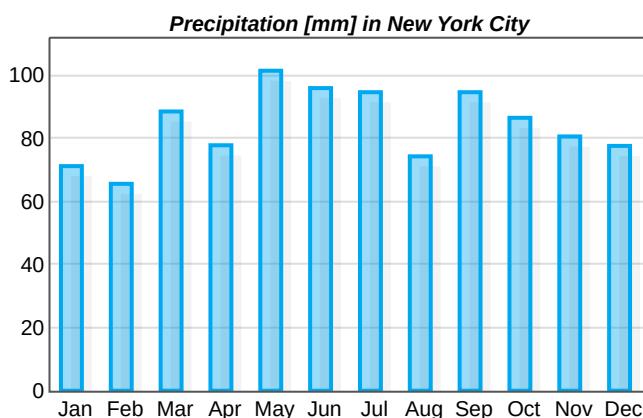
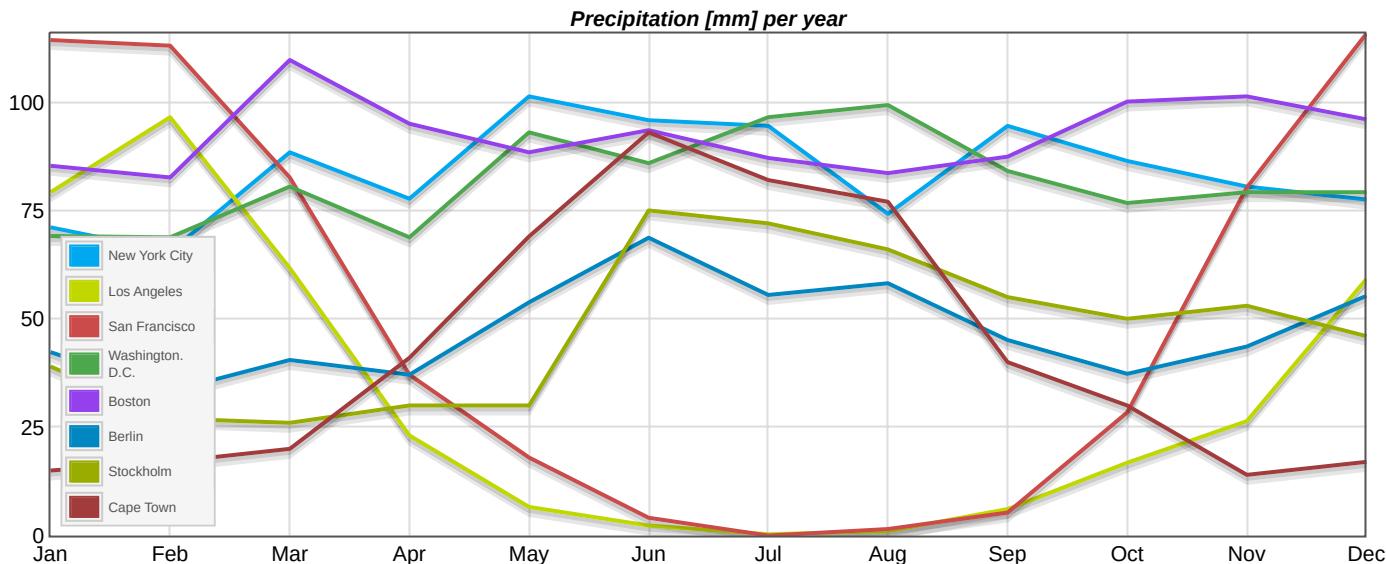


JavaScript Sample

This document shows precipitation values for several cities (taken from the cities' respective Wikipedia articles). JavaScript is used to create graphs and improve the look of the table. This sample includes several external style sheets and script files:

- **script.js** Retrieves data from the HTML table, calculates totals and passes them to Flotr.
- **flotr2.min.js** A popular Open Source JavaScript library to create graphs.
- **awesomizr.js** A RealObjects-made JavaScript library used to transform table headers.
- **style.css** Styles tables with advanced CSS3 properties and selectors.



City	Precipitation [mm] per month												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
New York City	71.1	65.5	88.4	77.7	101.3	95.8	94.5	74.2	94.5	86.4	80.5	77.5	1007.4
Los Angeles	79.2	96.5	61.7	23.1	6.6	2.3	0.3	1	6.1	16.8	26.4	59.2	379.2
San Francisco	114.3	113	82.6	37.1	18	4.1	0	1.5	5.3	28.4	80.3	115.8	600.4

City	January	February	March	April	May	June	July	August	September	October	November	December	Total
	69.1	68.8	80.5	68.8	93.0	85.9	96.5	99.3	84.1	76.7	79.2	79.2	981.1
Boston	85.3	82.6	109.7	95	88.4	93.5	87.1	83.6	87.4	100.1	101.3	96	1110
Berlin	42.3	33.3	40.5	37.1	53.8	68.7	55.5	58.2	45.1	37.3	43.6	55.3	570.7
Stockholm	39	27	26	30	30	75	72	66	55	50	53	46	569
Cape Town	15	17	20	41	69	93	82	77	40	30	14	17	515

Precipitation [mm] per month

1. Awesomizr

RealObjects provides you its Open Source JavaScript library **Awesomizr**. This library provides among other things a function that can be used to rotate the header of any table in an arbitrary angle, by using CSS3 transforms.

1.1. Usage

Transform a table by including the library in your document and calling the **rotateTableHeader** function in your JavaScript code. **Awesomizr** will automatically create a `<thead>` element from the first row in the specified table if no such element is present.

```
<script type="text/javascript" src="awesomizr.js"></script>
<script type="text/javascript">
  ...
  Awesomizr.rotateTableHeader(table, params);
</script>
```

- **table** The HTML node of the table to transform.
- **params** An object of optional parameters.

In the PDFreactor manual, you can find more information on the optional parameters and other functionality of the awesomizr library.

1.2. Example

```
Awesomizr.rotateTableHeader(document.getElementById("myTable"), { angle: 40, width: "20pt" });
```

2. PDF Images

PDFReactor enables you to embed PDFs as images through the `` element. PDF image elements have support for additional CSS and JavaScript properties:

- You can select which page should be displayed as image via the CSS property `-ro-source-page`.
- Using JavaScript, you can retrieve the number of pages a PDF image object has via the proprietary `roPageCount` property.

2.1. Usage

You can use JavaScript to retrieve the number of pages of a PDF image object, and automatically generate a PDF image for each page by creating an image element for each page, where you can set the page to be displayed through the CSS property `-ro-source-page`.

2.2. Example

The screenshots show various pages of the PDF, including:

- Page 18:** A photograph of the Space Shuttle Atlantis launching from the Kennedy Space Center. The text on the left reads: "STS-135 (left) was the 135th and final mission of the American Space Shuttle program. The shuttle Atlantis and hardware originally processed for the STS-335 mission were used for the flight. The shuttle did not fly, STS-135 launched on 8 July 2011, and landed on 21 July 2011. Following a 10-day mission, the five-member crew was the smallest of any shuttle mission since STS-6 in April 1983."
- Page 19:** A photograph of the International Space Station with the Space Shuttle Endeavour docked. The text on the left reads: "The mission's primary cargo was the Multi-Purpose Logistics Module (MPLM) Raffaello and a European Columbus Experiment Module (CERM), which were delivered to the International Space Station (ISS). This was the last time that Atlantis carried an MPLM. Although the mission was authorized, it initially had no appropriation in the NASA budget, raising questions about whether the mission would proceed. On 26 January 2011, program managers charged STS-135 to the budget, allowing the mission to proceed. This allowed for training and other mission specific preparations. On 13 February 2011, program managers told their work..."
- Page 20:** A photograph of the Space Shuttle Endeavour inside the Vehicle Assembly Building (VAB) at Kennedy Space Center. The text on the left reads: "The Final Mission In July 2011 the Space Shuttle Atlantis went on its 135th and final mission into space, transporting hardware to the International Space Station. 18"
- Page 21:** A photograph of the Space Shuttle Endeavour inside the VAB. The text on the left reads: "force that STS-135 would be regardless of the funding situation or the availability of the shuttle. At this point, there had been no official references to the STS-135 mission, and there was no formal authorization for the general public. During an address at the Marshall Space Flight Center in November 2010, NASA administrator Charles Bolden said that the agency needed to commit to the mission in 2011, due to possible delays in the development of the Orion capsule, the first spacecraft designed to transport cargo to the ISS. "We are hoping to fly a flight test version of Orion in addition to STS-134 and STS-135" in June 2011, what everybody calls the "last flight," he said. "That's really what we need to buy down the risk for the development time for commercial capsules."