Components overview

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May 6, 2009

Outline

The document component

The graph component

The goal

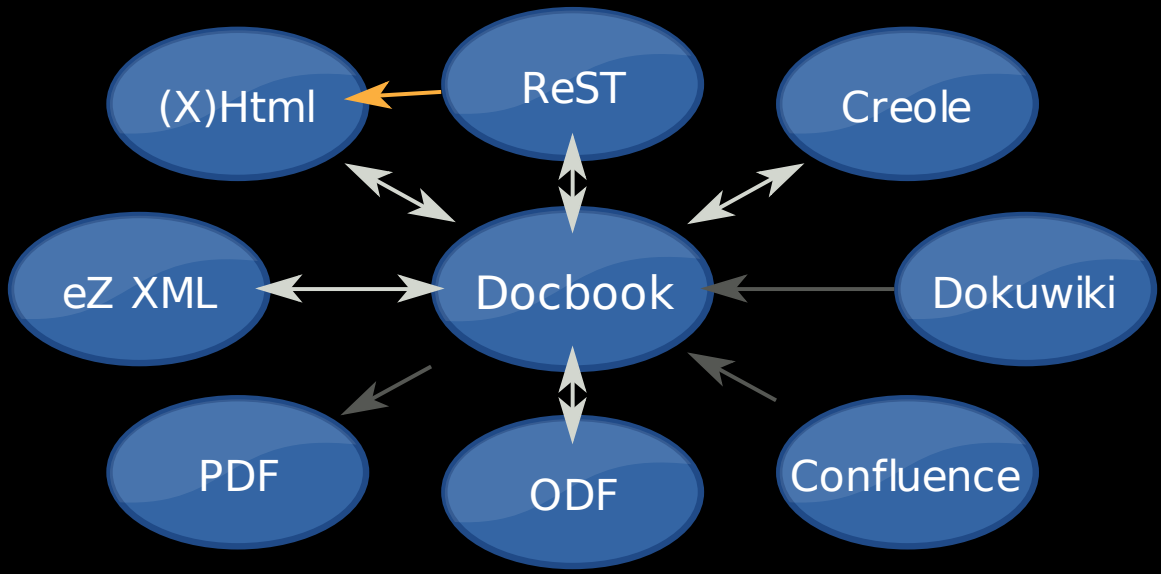
- Support coversions between document markup formats
- Applications in content management
  - Different input mechanisms
    - WYSISWYG editor (HTML)
    - Simple text editor (wiki markup)
    - Emails (ReST)
  - Different output formats
    - Web frontend (HTML)
    - Technical documentation management (Docbook)
    - Print (PDF)

The formats

- Currently supported formats
  - Docbook
  - (X)Html
  - eZ XML
  - ReST
  - Wiki
    - Dokuwiki, popular PHP based wiki (wiki.php.net) (read-only)
    - Creole, wiki markup standardization initiative
    - Confluence, Apache Atlassian wiki dialect (read-only)
- Currently in development
  - PDF (write only)
  - ODF

The architecture

- Docbook as central conversion format
  - Possible conversion shortcuts
  - Conversions always configurable and extensible



The code

- Simple example application converting between “all” formats.
- Code available at: `http://svn.ez.no/svn/ezcomponents/docs/examples/applications/DocumentRoadShow`

Outline

The document component

The graph component

The goal

- Create a chart (graph) library, which focusses on:
  - Easy to use, simple API
  - Customizable output, fit your design (palettes, 2D- or 3D-renderer)
  - Different output formats (PNG, Flash, SVG)
  - Handling of various types of data

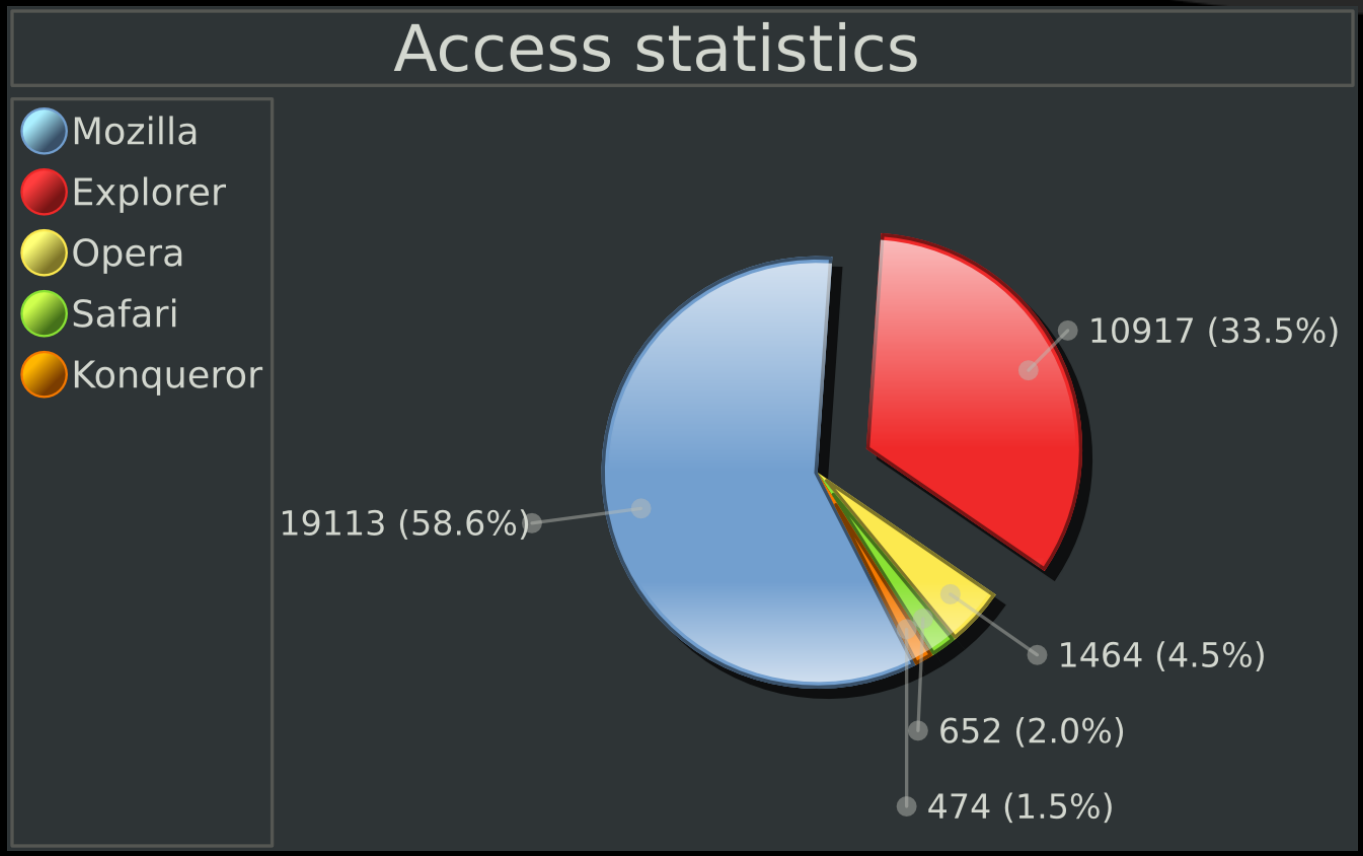
An example

- Creation of a simple pie chart

```
1  $graph = new ezcGraphPieChart();
2  $graph->palette = new ezcGraphPaletteBlack();
3  $graph->title = 'Access statistics';
4
5  $graph->data['Access statistics'] = new
       ezcGraphArrayDataSet( array(
6      'Mozilla' => 19113,
7      'Explorer' => 10917,
8      'Opera' => 1464,
9      'Safari' => 652,
10     'Konqueror' => 474,
11 ) );
12 // Pimp...
13
14 $graph->render( 400, 250, 'pie_chart.svg' );
```

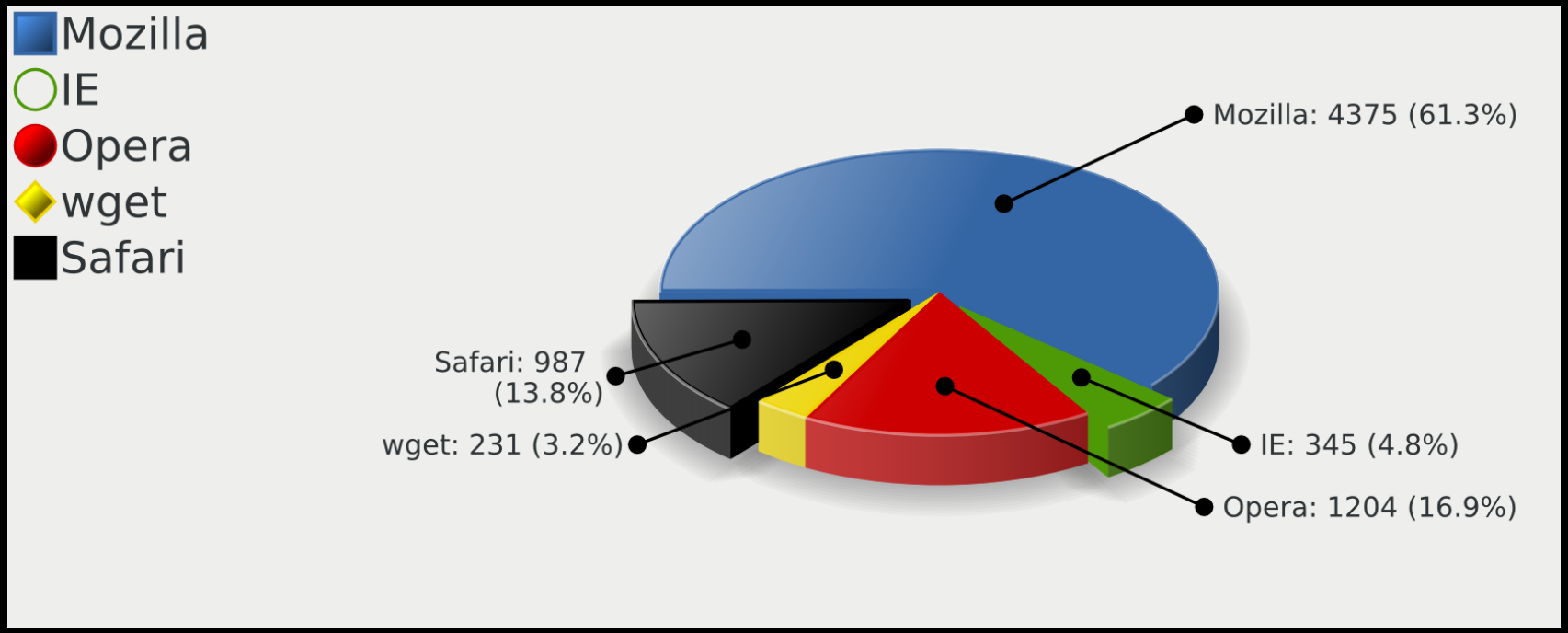
The result

- Includes some extra pimping...



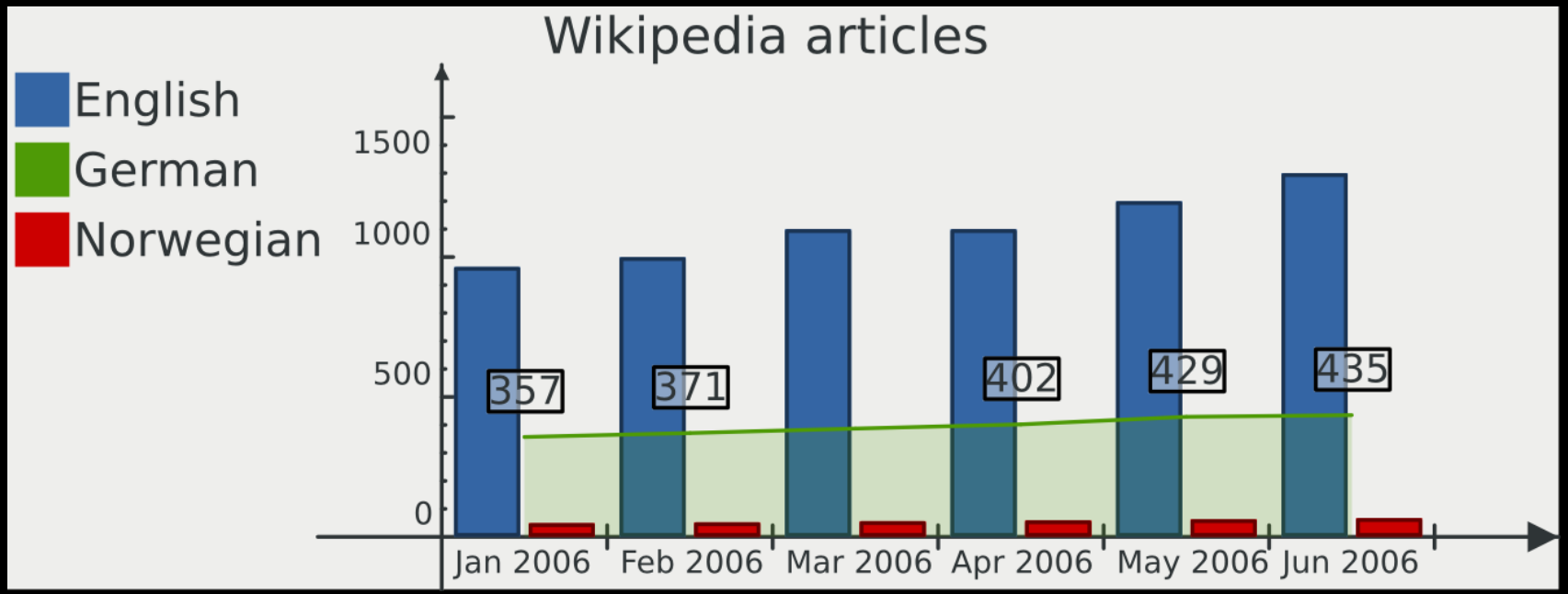
Another example 1/4

- A pie chart in 3D



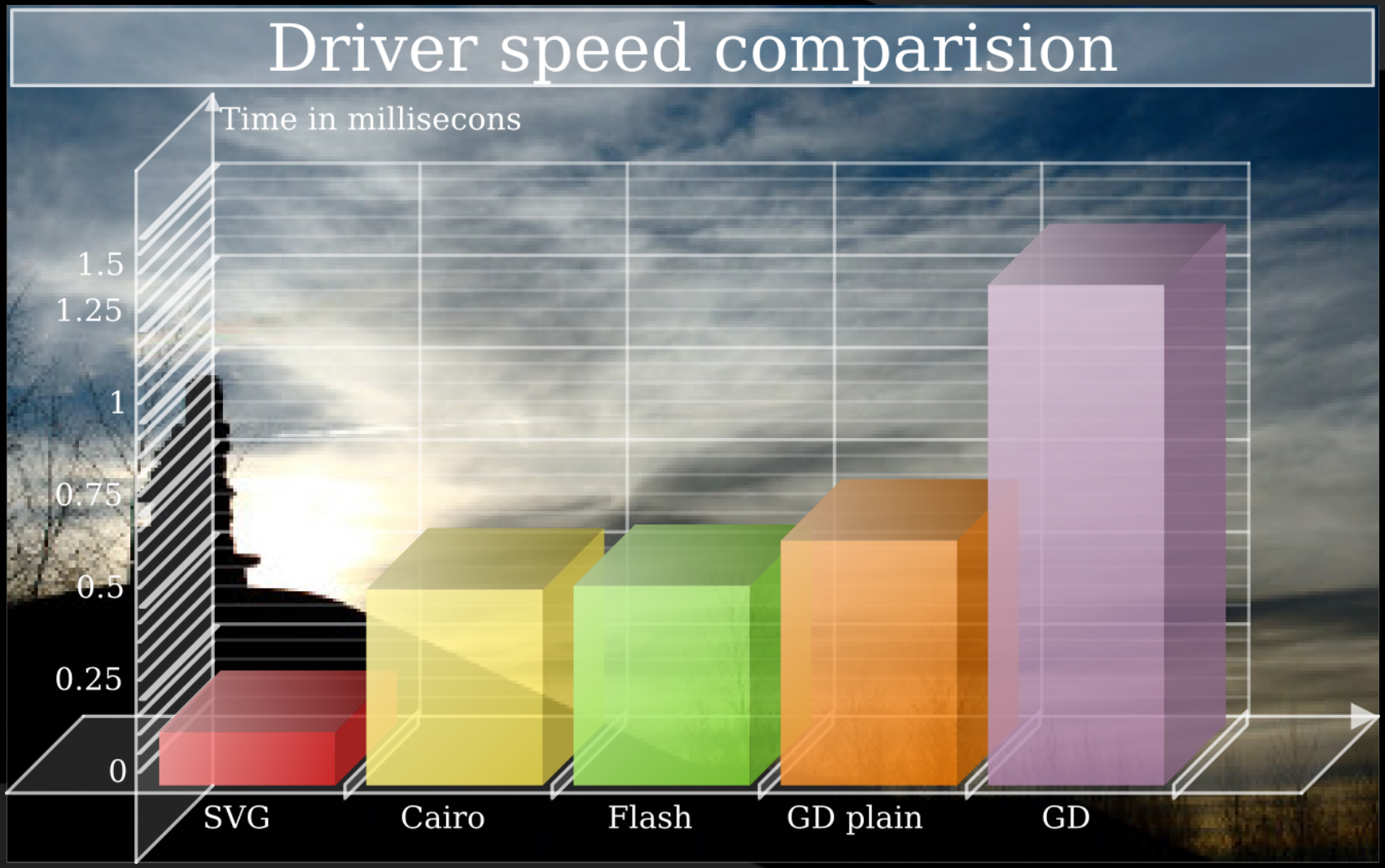
Another example 2/4

- A combination of bar and line charts



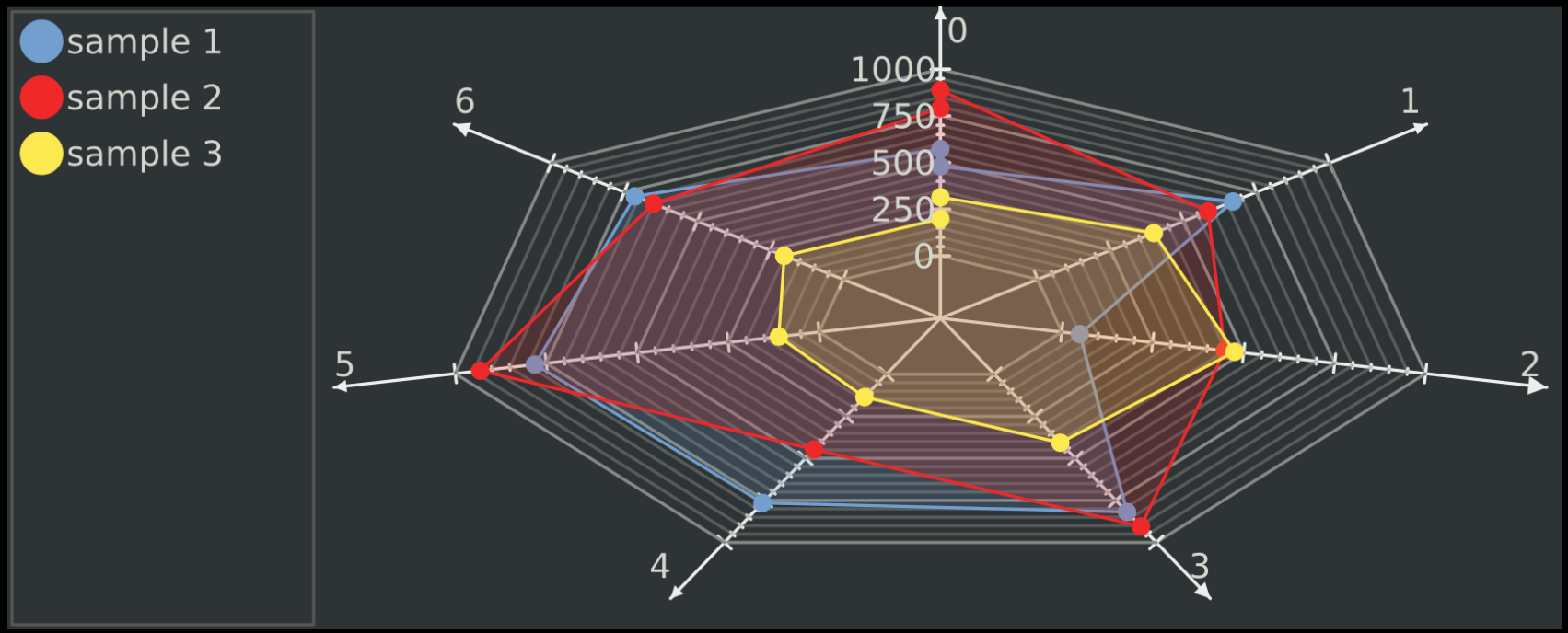
Another example 3/4

- A heavily styled 3D bar chart



Another example 4/4

- A simple radar chart example



Feature overview

- Different chart types
  - Line chart, pie chart, bar chart, radar chart, odometers
- Different axis types
  - Labeled axis, DateTime axis, Numeric axis, Logarithmic axis
- Different data set types
  - Array data set, mathematical function, PDO data set, polynomial interpolation
- Customization
  - Style every chart element
  - Use palettes with predefined styles