

# Google Charts



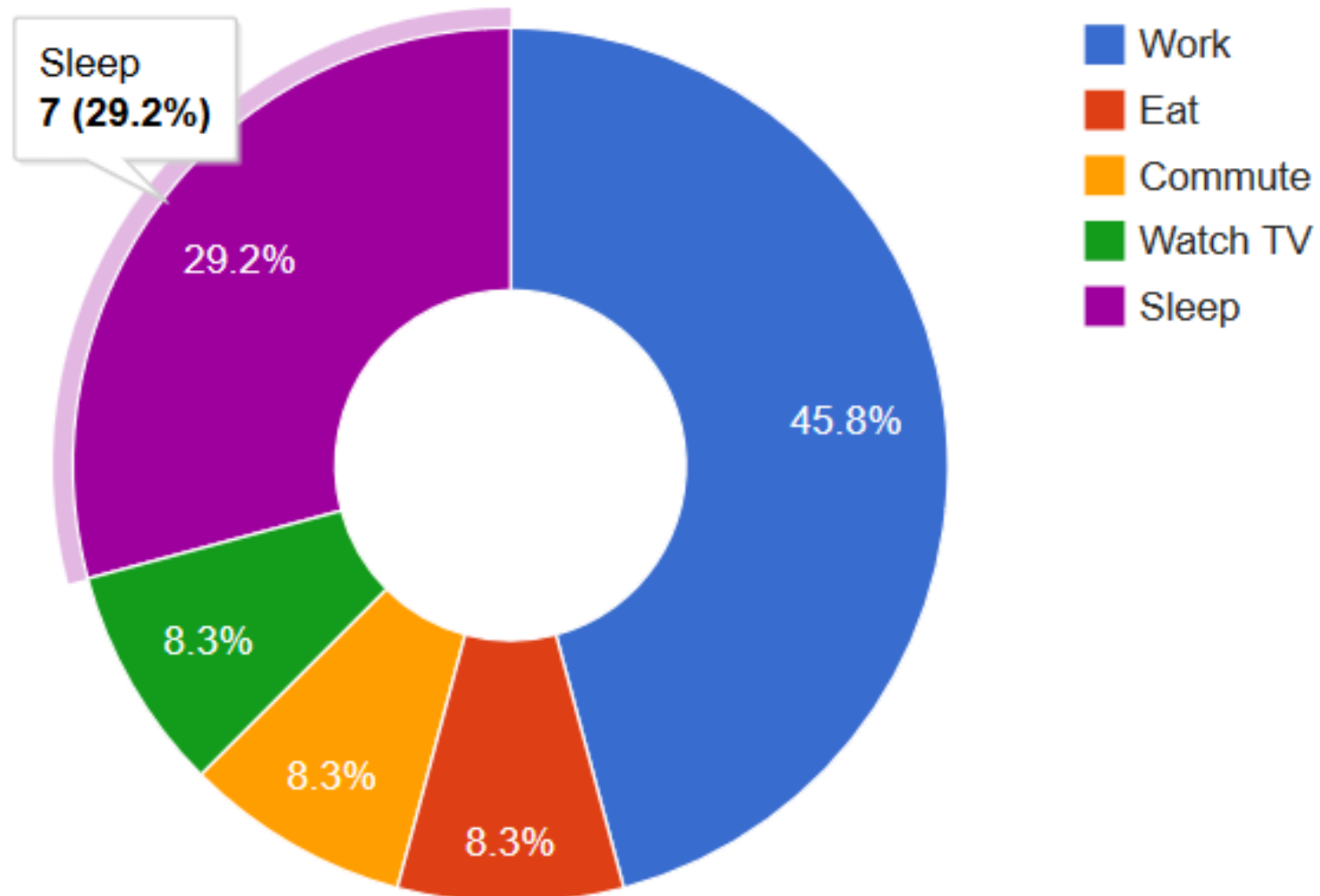
<https://developers.google.com/chart/>

# Vlastnosti

- Určeno pro vizualizaci dat na webových stránkách
- Využívá standardní webové technologie
  - HTML5/SVG, JavaScript
- Snadnost použití
  - paleta předdefinovaných grafů, které lze přímo vložit na web

# Jednoduchá ukázka

My Daily Activities



# Jednoduchá ukázka

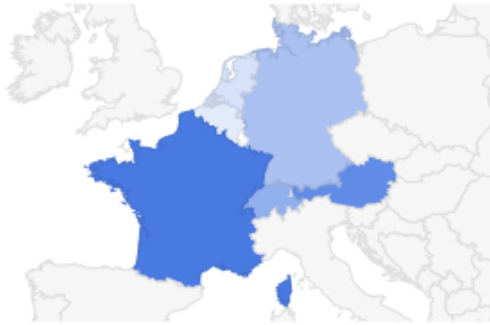
```
<html>
  <head>
    <script type="text/javascript" src="https://www.google.com/jsapi"></script>
    <script type="text/javascript">
      google.load("visualization", "1", {packages:["corechart"]});
      google.setOnLoadCallback(drawChart);
      function drawChart() {
        var data = google.visualization.arrayToDataTable([
          ['Task', 'Hours per Day'], ['Work', 11], ['Eat', 2],
          ['Commute', 2], ['Watch TV', 2], ['Sleep', 7]
        ]);

        var options = {title: 'My Daily Activities', pieHole: 0.4,};

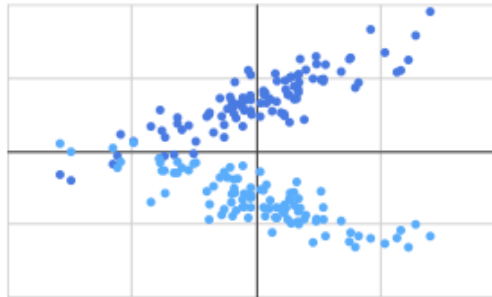
        var chart = new google.visualization.PieChart(document.getElementById('donutchart'));
        chart.draw(data, options);
      }
    </script>
  </head>
  <body>
    <div id="donutchart" style="width: 900px; height: 500px;"></div>
  </body>
</html>
```

# Příklady dalších grafů

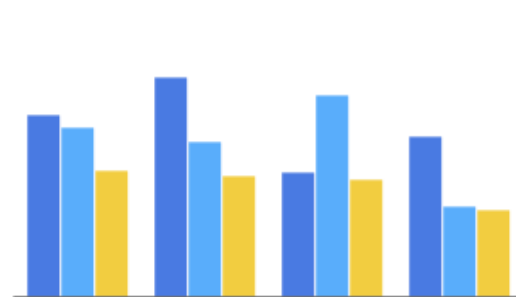
Geo Chart



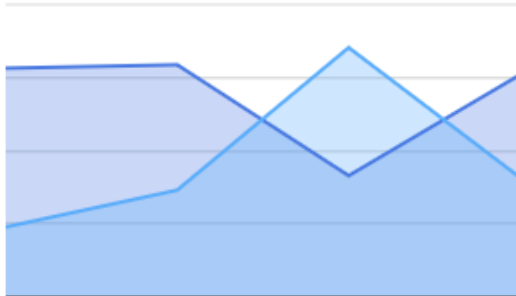
Scatter Chart



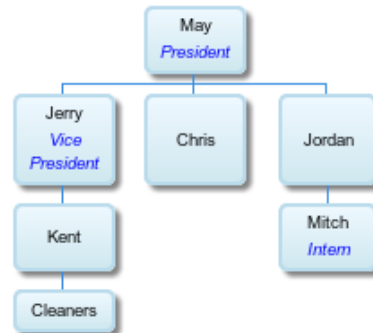
Column Chart



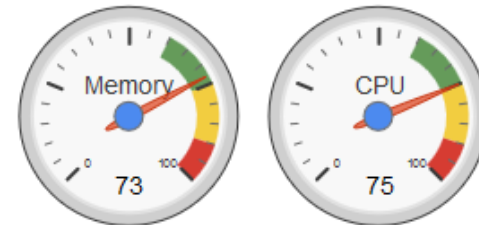
Area Chart



Org Chart



Gauge



# Pokročilé možnosti

- Přispůsobení grafů
  - parametr options
- Tvorba vlastních grafů
  - možnost přidat nový graf do galerie
  - [https://developers.google.com/chart/interactive/docs/more\\_charts](https://developers.google.com/chart/interactive/docs/more_charts)
- API
  - <https://developers.google.com/chart/interactive/docs/reference>

Děkuji za pozornost