

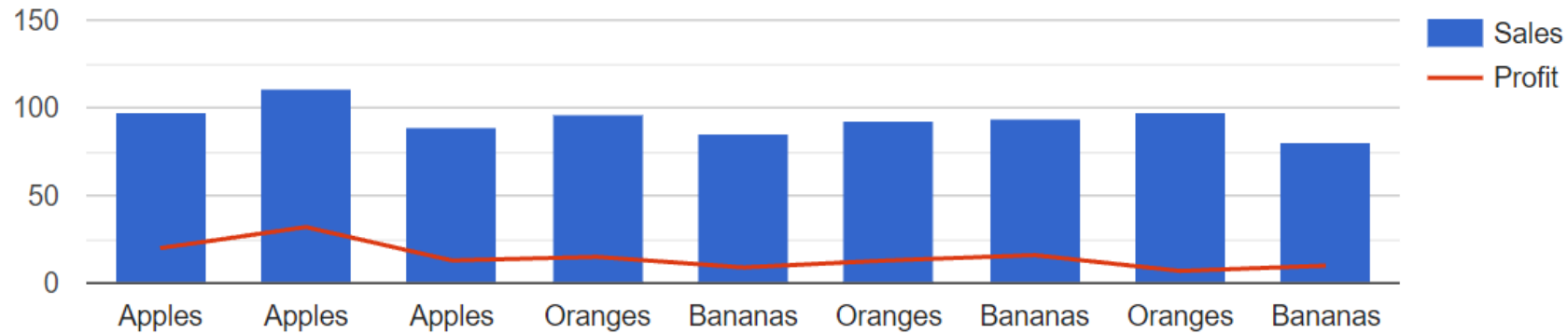
Introduction to googleVis

- [googleVis](#) is a package for [R](#) and provides an interface between R and the [Google Chart Tools](#), see *Using the Google Visualisation API with R*, [The R Journal](#), 3(2):40-44, December 2011
- The functions of the package allow users to visualize data with the Google Chart Tools without uploading their data to Google
- The output of googleVis functions is html code that contains the data and references to JavaScript functions hosted by Google
- To view the output a browser with an internet connection is required, the actual chart is rendered in the browser; some charts require Flash

Types of charts

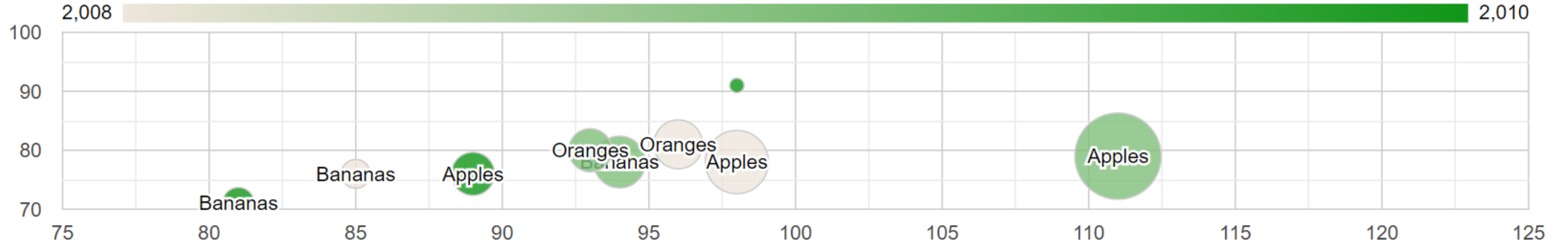
- Combination chart
- Bubble chart
- Gauge chart
- Google maps
- TimeLine Chart
- Tree Map
- Calendar Chart

Combination chart



- The combination chart is a visualization that combines the features of the bar chart and the line chart.
- It display the data using a number of bars and/or lines, each of which represent a category.

Bubble chart

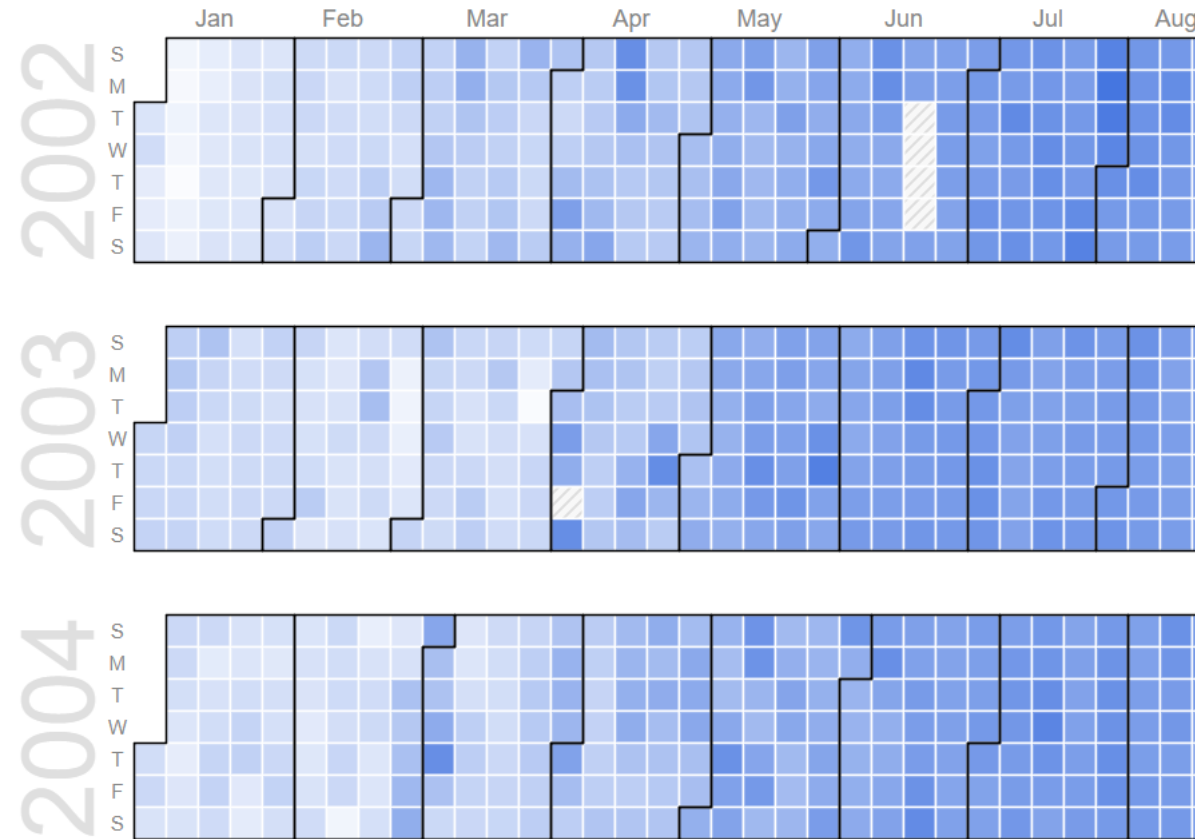


- Bubble chart is a variant of the Scatterplot.
- Bubble chart are used when you want to compare data points on three quantitative variables.

Google maps

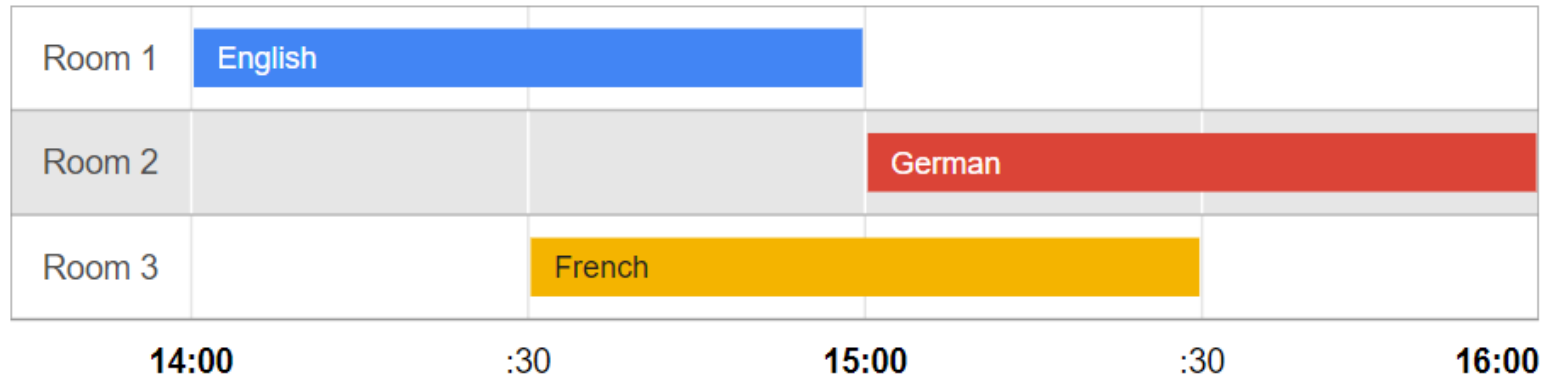


Calendar Chart



- A calendar chart is a visualization used to show activity over the course of a long span of time such as months or years.
- It display tooltips when the user hovers over the data

TimeLine Chart



- Timeline charts are a great way of visualizing different dates/events over time.