

```

1  google.charts.load('current', {'packages':['timeline']});
2  google.charts.setOnLoadCallback(drawChart);
3
4  /*var timer;
5  $(window).bind('resize', function() {
6      clearTimeout(timer);
7      timer = setTimeout(function(){ drawChart(); }, 300);
8  });*/
9
10 function resize () {
11
12     drawChart();
13
14 }
15
16 if (window.addEventListener) { //check if eventListener is an acceptable method (The
    browser is not IE)
17
18     window.addEventListener('resize', resize);
19
20 } else {
21
22     window.attachEvent('onresize', resize); //alternative for IE
23
24 }
25
26 $(document).ready(function() {
27
28     var d= new Date();
29     $('#slider').slider({
30         id: "slidingBar",
31         tooltip: 'always',
32         min: 1985,
33         max: d.getFullYear(),
34         range: true,
35         value: [2009, d.getFullYear()]
36     });
37
38     var tlValues = $('#slider').slider('getValue');
39     $('#tlValues').html((( $('#navLang a').data('lang') === 'ita') ? 'From ' : 'Dal
        ' + tlValues[0] + (( $('#navLang a').data('lang') === 'ita') ? ' to ' : ' al
        ' + tlValues[1]));
40
41 });
42
43 $('#slider').on('slide', function(e){
44
45     var tlValues = $('#slider').slider('getValue');
46     $('#tlValues').html((( $('#navLang a').data('lang') === 'ita') ? 'From ' : 'Dal
        ' + tlValues[0] + (( $('#navLang a').data('lang') === 'ita') ? ' to ' : ' al
        ' + tlValues[1]));
47
48 });
49
50 $('#redraw').click(function() {
51
52     $('#tlError').hide();
53     $('#timeline').html('');
54     $('#tlLoading').show();
55     drawChart();
56
57 });
58
59 $(document).ready(function() {
60
61     $(window).resize(function() {
62
63         if (Modernizr.mq('screen and (max-width: 413px)')) {
64
65             $('#tlPortraitWarning').html((( $('#navLang a').data('lang') === 'ita') ?
                'Swipe left or right to visualize the rest of the chart' : 'Trascina
                a destra o a sinistra per visualizzare la tabella')).show();
66

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67         } else {
68
69             $('#tlPortraitWarning').hide();
70
71         }
72     }).resize();
73 });
74
75
76
77 function getTimelineData(callback) {
78
79     var timelineData = new Array();
80
81     $.ajax({
82         url: './php/actions.php?action=loadTimeline',
83         success: function(msg) {
84
85             timelineData = $.parseJSON(msg);
86
87             callback(timelineData);
88
89         }
90     });
91
92
93 };
94
95 function drawChart() {
96
97     var container = document.getElementById('timeline');
98     var chart = new google.visualization.Timeline(container);
99     var dataTable = new google.visualization.DataTable();
100     var matchFound = false;
101
102     getTimelineData(function(timelineData){
103
104         dataTable.addColumn({ type: 'string', id: 'type' });
105         dataTable.addColumn({ type: 'string', id: 'title' });
106         dataTable.addColumn({ 'type': 'string', 'role': 'tooltip', 'p': {'html':
107             true}});
108         dataTable.addColumn({ type: 'date', id: 'StartDate' });
109         dataTable.addColumn({ type: 'date', id: 'EndDate' });
110
111         (createRow(dataTable, timelineData, 'education', (($('.navLang
112             a').data('lang') === 'ita') ? 'Education' : 'Formazione')) ? matchFound
113             = true : '');
114         (createRow(dataTable, timelineData, 'workExperience', (($('.navLang
115             a').data('lang') === 'ita') ? 'Work Experience' : 'Lavoro')) ?
116             matchFound = true : '');
117         (createRow(dataTable, timelineData, 'volunteering', (($('.navLang
118             a').data('lang') === 'ita') ? 'Volunteering' : 'Volontariato')) ?
119             matchFound = true : '');
120         (createRow(dataTable, timelineData, 'hobbies', (($('.navLang
121             a').data('lang') === 'ita') ? 'Hobbies' : 'Hobbies')) ? matchFound =
122             true : '');
123         (createRow(dataTable, timelineData, 'nationsDates', (($('.navLang
124             a').data('lang') === 'ita') ? 'Nation' : 'Nazione')) ? matchFound = true
125             : '');
126
127         var tlWidth = setTlWidth();
128
129         var options = {
130             colors: ['#ff7200', '#3d3d3d', '#ffba44', '#ffcd77', '#ff6100'],
131             focusTarget: 'category',
132             tooltip: { isHtml: true },
133             width: tlWidth,
134             timeline: { rowLabelStyle: {fontName: 'Helvetica', fontSize: 16, color:
135                 '#000000' }, barLabelStyle: { fontName: 'Arial', fontSize: 12 }
136         }
137     };
138
139     google.visualization.events.addListener(chart, 'error', function

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128         (googleError) {
129             google.visualization.errors.removeError(googleError.id);
130         });
131         if (matchFound) {
132             chart.draw(dataTable, options);
133             $('#slider').slider("enable");
134             $('#tlLoading').hide();
135         } else {
136
137             ($('#tlError').html(($('.navLang a').data('lang') === 'ita') ?
138 'Could not find Data in this date range. Try a different date' : 'Non esistono dati
139 relativi a questo frangente di tempo. Prova con una data differente.').show());
140         }
141     }
142
143     function setTlWidth() {
144
145         if (Modernizr.mq('screen and (max-width: 520px)')) {
146
147             return 600;
148
149         } else {
150
151             return '';
152
153         }
154     }
155
156
157     function createRow(dataTable, timelineData, tableName, title){
158
159         var startEnd = null;
160         var checkedDate = null;
161         var matchFound = false;
162         var tlValues = $('#slider').slider('getValue');
163         var tlEnd = tlValues[1] - tlValues[0]; // case 0 handled in the checkBeginEnd
164         function
165         checkedDate = checkBeginEnd(tlValues[0], tlEnd);
166
167         $.each(timelineData[tableName], function(key,value){
168
169             if(startEnd = setBeginEnd(value, checkedDate.startYear,
170 checkedDate.duration)) {
171
172                 matchFound = true;
173                 dataTable.addRow([
174
175                     title, value.title, generateTooltip(dataTable, value, title), new
176                     Date(startEnd.sYear, startEnd.sMonth, startEnd.sDay), new
177                     Date(startEnd.eYear, startEnd.eMonth, startEnd.eDay)
178
179                 ]);
180             }
181         })
182
183         return matchFound;
184     }
185
186     function generateTooltip(dataTable, value, title){
187
188         return '<div style="padding:5px 5px 5px 5px; border: 1px solid black;">' +
189         value.title + '<br/><hr class="m-0 p-0 mb-2">' +
190         '<table class="medals_layout">' +
191         '<tr><td><strong>' + (($('.navLang a').data('lang') === 'ita') ? 'From:' :
192         'Dal:') + ' ' </strong></td><td>' + startDate(value) + '</td></tr>' +
193         '<tr><td><strong>' + (($('.navLang a').data('lang') === 'ita') ? 'To:' :
194         'Al:') + ' ' </strong></td><td>' + endDate(value) + '</td></tr>' +

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193         '</table>' +
194         '</div>';
195
196     }
197
198     function stDate(value){
199
200         return value.startDate.day + '/' + value.startDate.month + '/' +
201             value.startDate.year;
202     }
203
204     function endDate(value){
205
206         return value.endDate.day + '/' + value.endDate.month + '/' + value.endDate.year;
207     }
208
209     function checkBeginEnd(startYear, duration) {
210
211
212
213         var d = new Date();
214         startYear = parseInt(startYear, 10);
215         duration = parseInt(duration, 10);
216         var ret = {'startYear': 2009, 'duration': 8};
217
218         if (startYear > (d.getFullYear())) {
219
220             startYear = d.getFullYear();
221
222         } else if(startYear < 1985) {
223
224             startYear = 1985;
225
226         }
227
228         if(duration < 0) {
229
230             duration = 0;
231
232         } else if((startYear + duration) > d.getFullYear()) {
233
234             duration = d.getFullYear() - startYear;
235
236         }
237
238         ret.startYear = startYear;
239         ret.duration = duration;
240
241         return ret;
242     }
243
244     function setBeginEnd(value, startYear, duration) {
245
246
247         var d = new Date();
248         var startEnd = {
249             'sDay': '',
250             'sMonth': '',
251             'sYear': '',
252             'eDay': '',
253             'eMonth': '',
254             'eYear': ''
255         };
256
257         if(value.endDate.year > startYear + duration) {
258             if(d.getFullYear() == (startYear + duration)) {
259
260                 startEnd.eDay = d.getDate();
261                 startEnd.eMonth = d.getMonth();
262                 startEnd.eYear = d.getFullYear();
263
264             } else {

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265
266         startEnd.eDay = '31';
267         startEnd.eMonth = '11';
268         startEnd.eYear = startYear + duration;
269
270     }
271
272     } else if(value.endDate.year >= startYear) {
273
274         startEnd.eDay = value.endDate.day;
275         startEnd.eMonth = value.endDate.month - 1;
276         startEnd.eYear = value.endDate.year;
277
278     } else {
279
280         return false;
281
282     }
283
284     if(value.startDate.year < startYear) {
285
286         startEnd.sDay = '01';
287         startEnd.sMonth = '0';
288         startEnd.sYear = startYear;
289
290     } else if(value.startDate.year <= (startYear + duration)) {
291
292         startEnd.sDay = value.startDate.day;
293         startEnd.sMonth = value.startDate.month - 1;
294         startEnd.sYear = value.startDate.year;
295
296     } else {
297
298         return false;
299
300     }
301
302     return startEnd;
303
304 }
```