data-vis\uk-food-attitudes-2018.js

```
1   //-------------------------- START NEW CODE -------------------------------------
    -//
2   function UKFoodAttitudes() {
3
4     // Name for the visualisation to appear in the menu bar.
5     this.name = 'Food Attitudes';
6
7     // Each visualisation must have a unique ID with no special
8     // characters.
9     this.id = 'uk-food-attitudes';
10
11    // Property to represent whether data has been loaded.
12    this.loaded = false;
13
14    // Preload the data. This function is called automatically by the
15    // gallery when a visualisation is added.
16    this.preload = function() {
17      var self = this;
18      this.data = loadTable(
19        './data/food/uk-food-attitudes-2018.csv', 'csv', 'header',
20        // Callback function to set the value
21        // this.loaded to true.
22        function(table) {
23          self.loaded = true;
24        });
25    };
26
27    this.setup = function() {
28      if (!this.loaded) {
29        console.log('Data not yet loaded');
30        return;
31      }
32
33      // Create a select DOM element.
34      this.select = createSelect();
35      this.select.position(0.36 * width, 0.18 * height);
36
37      // Fill the options with all company names.
38      var questions = this.data.columns;
39      // First entry is empty.
40      for (let i = 1; i < questions.length; i++) {
41        this.select.option(questions[i]);
42      }
43    };
44
45    this.destroy = function() {
46      this.select.remove();
47    };
48
49    // Create a new pie chart object.
50    this.pie = new PieChart(900, height / 1.7, width * 0.3);
51
```

```
52    this.draw = function() {
53      if (!this.loaded) {
54        console.log('Data not yet loaded');
55        return;
56      }
57
58      // Get the value of the company we're interested in from the
59      // select item.
60      var questionType = this.select.value();
61
62      // Get the column of raw data for questionType.
63      var col = this.data.getColumn(questionType);
64
65      // Convert all data strings to numbers.
66      col = stringsToNumbers(col);
67
68      // Copy the row labels from the table (the first item of each row).
69      var labels = this.data.getColumn(0);
70
71      // Colour to use for each category.
72      let colours = [
73        color('#002147'), // Royal Blue
74        color('#C8102E'), // Scarlet Red
75        color('#FFD700'), // Gold
76        color('#007A33'), // Emerald Green
77        color('#4B0082') // Deep Purple
78      ];
79
80      // Make a title.
81      // var title = 'Question: ' + questionType;
82      var title = ""
83
84      // Draw the pie chart!
85      this.pie.draw(col, labels, colours, title);
86    };
87  }
88  //---------------------------- END NEW CODE ----------------------------------//
```