HW: Strings / Basic Summaries

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| For this homework assignment, download the Dunkin Donuts location file from the following website.  [www.poi-factory.com](http://www.poi-factory.com)  You must create an account on poi-factory.com to gain access to their data files. You should download the CSV version of the Dunkin Donuts locations file. | dunkindonuts.jpg |

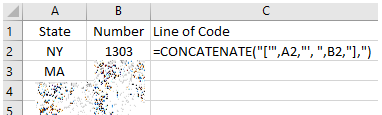
Answer the following questions.

1. How many Dunkin Donut locations exist in the US?
2. How many Dunkin Donut locations have a drivethru? What percent of the Dunkin Donut locations have a drivthru?
3. How many Dunkin Donut locations have wi-fi? What percent of the Dunkin Donut locations have a wi-fi?
4. Provide a list of the Top 5 States with the most Dunkin Donut locations.

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| Rank | State | # of Locations |
| 1  (Most Locations) |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |

1. Consider the following code that creates a bar graph of the number of Dunkin Donut locations in 6 states sorted from largest to smallest. Copy and paste the code below into a text editor (Sublime). Save the file with a \*.html extension. Next, edit the highlighted code below in order to create a bar graph for all 50 states. Use the =CONCATENATE() function as shown below to create the necessary code for each line. You may have to manually remove the comma after the last state in order for the graph to be created. Also, change my name in the subtitle line to your name.

Delete my SAMPLE plot provided below and include a screen shot of your graph in it’s place.



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| HTML / Javascript Code for creating Google Chart |
| <html>  <head>  <title>WINSTATS - Google Charts</title>  <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>  <script type="text/javascript">  google.charts.load('current', {  'packages': ['bar']  });  google.charts.setOnLoadCallback(drawStuff);  function drawStuff() {  var data = new google.visualization.arrayToDataTable([  ['State', '# Dunkin Donut Locations'],  ['FL', 749],  ['NC', 291],  ['OH', 120],  ['VT', 47],  ['WI', 43],  ['KS', 13]  ]);  var options = {  title: 'Dunkin Donut Locations by State',  width: 600,  legend: {  position: 'none'  },  chart: {  title: 'Dunkin Donut Locations by State',  subtitle: 'Graph by: Chris Malone'  },  bars: 'horizontal', // Required for Material Bar Charts.  axes: {  x: {  0: {  side: 'top',  label: 'Count'  } // Top x-axis.  }  },  bar: {  groupWidth: "90%"  }  };  var chart = new google.charts.Bar(document.getElementById('top\_x\_div'));  chart.draw(data, options);  };  </script>  </head>  <body>  <div id="top\_x\_div" style="width: 600px; height: 900px;"></div>  </body>  </html> |

