Whose **LINE** is it anyway?

Aim: Determine which Boston t-line is the most enjoyable to ride on by comparing the speed, sound, light, temperature and accelerations

Procedure:
- Ride all lines to measure-
  - Temperature – Measured 5 times per line using an Environment Meter
  - Light Intensity – Using an Environment Meter
  - Time between stops- Using a Stop watch
  - Acceleration and Sound levels – Seismometer to measure G-Force and Decibel Meter to measure Sound

Results:
- The Blue Line is the fastest, smoothest and best lit. Recommended for quick commute and reading
- The Orange Line is smooth, slow, and dimly lit. Recommended for napping
- Although the Red Line and Green Line did not excel, they hit a lot of desirable locations and are often unavoidable

Additional Factors to Consider
- **Hard plastic seats on Green and Blue lines**
- **Red Line has less frequent trains**
- **Green line and Red line have multiple outbound routes**
- **Blue Line had long stop at airport as power supply changes to overhead wires**

<table>
<thead>
<tr>
<th>Line</th>
<th>Average Temp (°C)</th>
<th>Average Light Intensity (Lux)</th>
<th>Average Sound (dB)</th>
<th>Average total Speed (mph)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>22.58</td>
<td>190</td>
<td>87.96</td>
<td>15.27</td>
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<tr>
<td>Red</td>
<td>22.66</td>
<td>281</td>
<td>85.49</td>
<td>17.86</td>
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<tr>
<td>Green</td>
<td>23.38</td>
<td>188</td>
<td>87.30</td>
<td>15.41</td>
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<tr>
<td>Blue</td>
<td>23.3</td>
<td>433</td>
<td>85.99</td>
<td>20.17</td>
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</tbody>
</table>