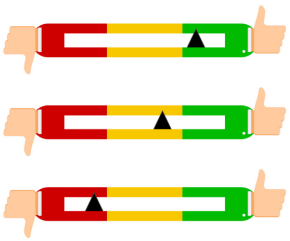
If a user is **NOT** signed in, the original z scores will be mapped to a bar and this bar will be displayed to the user, in this situation no “overall match score” will be provided to them.



If a user **IS** signed in, the process will be more complicated and their user preferences will be applied to generate their overall match score. This value will also be mapped to a bar. Below the red score is the overall normalised scores, it compares every other overall match score in the database to generate itself. The green scores are the weighted z scores, normalised within each other. This is simply done to convey the information to the user in the most simple way possible, again this green scores will be mapped to a bar.

For the crime score, no specific information will be displayed to the user. They will simply be informed “this score was generated based on publicly available crime data in the Baltimore region from 2015 - present date”.

Red = Overall match score: 75/100
Bold = weighted score
Blue = aggregated weighted score
Orange = z score
Green = bar score (weighted scores normalised amongst each other)
Purple = the values of the weights

Retail: 1 x 7 = **7** -> **1.727/5**
Finance: 4 x 6 = **24** -> **4.727/5**
Health : 5 x 5 = **25** -> **5/5**
Entertainment: 1 x 4 =**4** -> **1.181/5**
Fitness: 2 x 3 = **6** -> **1.545/5**
Emergency services: 3 x 2 = **6** -> **1.545/5**
Transport: 3 x 1 = **3** -> **1/5**

Aggregated total: **65**

	Aggregated totals	**Normalised totals**
Property 1 score:	**65**	**75**
Property 2 score:	**20**	**0**
Property 3 score:	**80**	**100**