



In 1908 the Olympic Games were held in London. They were held in London again in 1948, just after World War 2.

Here are the results from some men's track events:

Distance	1908 results	1948 results
100 metres	10.8 seconds	10.3 seconds
200 metres	22.6 seconds	21.1 seconds
400 metres	50.0 seconds	46.2 seconds
800 metres	112 seconds	109 seconds
1500 metres	240 seconds	229 seconds

The 2012 London Olympics were another 64 years later. Here are the men's track results:

Distance	2012 results
100 metres	9.6 seconds
200 metres	19.3 seconds
400 metres	43.9 seconds
800 metres	101 seconds
1500 metres	214 seconds

How did the results differ?

Could you have predicted the 2012 results?

Perhaps more importantly, what's the reason for your answer?

Here are the women's swimming results from the 1948 Olympic Games and the 2012 Olympic Games:

Event	1948 results	2012 results
100 metres freestyle	66.3 seconds	53 seconds
400 metres freestyle	318 seconds	241 seconds
100 metres backstroke	74.4 seconds	58.3 seconds
200 metres backstroke	177 seconds	124 seconds

How did these results differ?

Could you have predicted the results?

Can you use these results to predict what the women's swimming results will be in the next Olympic Games?

How accurate do you think your prediction is?