

Candidate 1 evidence

Will the global costs of Artificial Intelligence and technology outweigh the benefits? Word count - 4153

Introduction

The world is undergoing a fundamental technological change, artificial intelligence and technology are constantly advancing and improving at a rapid pace. Today, technology is widening its universal grip on society, it is now a necessity for many professions and without it, they would fail or at least the quality and capability of what is produced and provided would not be the same. The world is currently undergoing huge economic alterations and is in a period called the 'Technological Revolution'. In the book "The Fourth Industrial Revolution"¹ by Klaus Schwab he states that due to these enormous alterations going on worldwide, technology is "changing what it means to be human". Society has previously gone through three industrial revolutions from 1760 - 1969 in which there have been major societal changes, however, these are all extremely different in the sense that they took place over a couple of hundred years whereas now in the 'fourth revolution' it is taking place at a far greater speed in a much smaller period of time as some sources suggest the vast changes that have occurred in the 'Fourth revolution' have only taken two decades to take a grip on the entire economy.

The reason I believe this is so important to study right now is that artificial intelligence and technology are so vital and imbedded in all disciplines that it will affect all workers from all areas of the economy from engineers to teachers. For example, if in the near future driverless cars are implemented into day to day society, which looks increasingly likely, workers of taxi companies and Uber will no longer have a job and therefore don't have an income. In Scotland alone, automation in the manufacturing process has put 1.2 million jobs at risk.² The purpose of this project is to see what the impact has already been on the modern labour market, global environment and capabilities of what is doing the work in the workplace (labour or capital) and to see what impact this inbound 'industrial revolution' will have on the UK and global economy from the governments involved to the individual worker.

¹ "The Fourth Industrial Revolution" By Klaus Schwab

² <https://www.bbc.co.uk/news/uk-scotland-39830113>