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by John Li

Part I

Research Questions

- In the past hundred years, has the recent technological advancement (such as the internet, artificial intelligence, genetic studies) made the world better or worse?
- With more recent studies in Artificial Intelligence and machine learning, will this ultimately assist in solving issues or cause other complications?

Part II

Citations

- **Rosling, Hans. Factfulness. Lindhardt Og Ringhof, 2018.**

  This source is a book that talks about the misconception many individuals have on the world. The author, Hans Rosling, shares his insights and exposes the negative perceptions other individuals have, where it stems from, and what they can do to fix it. He uses the power of statistics to undermine and fight against the ignorance many people have. I feel that this source may fall into the primary source because it falls in the time frame (1900 — now) and fits well with my research questions. The book is able to connect to my question by talking about the different perceptions people have on the world, thinking that it's getting better or worse. This is very useful because it may help debunk certain arguments and / or prove a point whether the not the world is improving. This book really exposes the pros and cons of technology through the use of statistics which immensely benefits my research paper because it provides a variety of perspectives.

- **Sennaar, Kumba. "Machine Learning for Medical Diagnostics – 4 Current Applications | Emerj - Artificial Intelligence Research and Insight." Emerj, Emerj, 12 Dec. 2018, emerj.com/ai-sector-overviews/machine-learning-medical-diagnostics-4-current-applications/.**

  This interesting source is about the role machine learning has in the medical field. The source is an article that's by emerj and it elaborates the process and the contribution machine learning has on the field. The argument made here is that machine learning has assisted in accelerating the medical field and ultimately providing a rapid amount of effective, efficient, and safe drugs along with advance detectable machines that detect lethal diseases. I feel that this may fall into the primary source but because it's an article, it should be a secondary source because it doesn't seem to be as professional as a book. However, the information from this article really fits well in providing the pros and strengthens the

argument that the world is improving with the help of technology. By describing different ways that machine learning helps, it supports that the world is improving while challenging the claim that the world is worsening.

- [3] **Gadam, Suhasini. "Artificial Intelligence and Autonomous Vehicles – Data Driven Investor – Medium." Medium.com, Medium, 19 Apr. 2018, medium.com/datadriveninvestor/artificial-intelligence-and-autonomous-vehicles-ae877feb6cd2.**

This source is an article written by a page called 'Medium'. In the article, it talks about the process and the role artificial intelligence plays in self-driving automobiles and the potential it has in the car industry. This source will be my secondary source because it helps to elaborate on how the advancement of technology is benefitting one specific field. The arguments made here is that the idea of artificial intelligence in automobiles is very popular and that many car companies will adopt it. It claims that artificial intelligence in cars will help make driving safer and more efficient. The article mainly revolves around the component and process in which contributes to self-driving cars. This fits perfectly in my research paper because it's able to elaborate on how it makes roads safer and efficient, but also the science of how it functions. Describing the concept and functionality will help reinforce the idea of technology benefitting the world.

- [1] **He, David, et al. "4 Ways AI Will Impact the Financial Job Market." World Economic Forum**, 14 Sept. 2018, www.weforum.org/agenda/2018/09/4-ways-ai-artificial-intelligence-impact-financial-job-market/.

From this source, it talks about the role artificial intelligence will have on the financial market. It elaborates on how it'll change the way companies will run and the jobs it'll offer. This article reveals the potential downside that the advancement of technology comes with. However, in the article, it also provides possible solutions and reassurance that these robots won't be taking jobs but instead tasks. This source is definitely a secondary source because it focuses in on one specific field, in this case, is the economy. The article claims that artificial intelligence will change companies with three aspects: automation, intelligence, and creation. It also claims that it'll increase efficiency as well as providing more jobs. This fits well in my research paper by reinforcing the idea that the world is improving for the better, and takes on more of an optimistic point of view. This

article does tackle the arguments that the opposing side makes and attempts to debunk them. It continues to reinforce the claim that the world is improving.

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