Capstone Research Project Hypothesis

**A case of Artificial Intelligence Adoption in U.S Hospitals**

**Introduction**

The study focuses on how computer based decision processes under the umbrella of artificial intelligence can be utilized to enhance Health care in the United States. Research on Artificial intelligence indicates that statistics and machines form the basic framework for artificial intelligence (Graham J. (2016). In spite of that, there has been revolutionary advancement in neural networks which has intrigued many healthcare enthusiasts in the field of science such as medicine and public health. Initial experiments have proved that deep neural networks can perform exceedingly like a human clinician on well-defined diagnostic operations. Additionally, artificial intelligence tools have already been adopted in health centered apps that can be used on hand held devices (Caruana R, 2015).

**Problem Statement**

The U.S healthcare industry is undergoing a quick transformation compelling health care practitioners to seek additional knowledge and training in order to effectively deliver in their work environment (Darcy et.al.,2016) .The world is in an era of complex diseases and human mind alone cannot be depended upon to analyze all diseases facing humans. Artificial intelligence technologies are increasingly able to make sense of varied and unstructured kinds of data, such as natural language text and images thus enabling humans discover issues and diseases (Graham J. (2016). To this effect, it would be a bold strategy to undertake a descriptive research study on the Barriers to Accepting Health Information Technologies with a focus on the adoption of Artificial intelligence to shape health and health care across the Globe.

**Research Question/Hypothesis**

Null Hypothesis: The implementation of artificial intelligence health information system will

enhance the health and healthcare

Alternative Hypothesis: The implementation of Artificial Intelligence healthcare system will

have little to no effect on the delivery of Health and healthcare industry

**References**

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