Final Project Submission

Please fill out:

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- Student pace: self paced / part time / full time: PART TIME
- Scheduled project review date/time:
- Instructor name: MR SAMUEL KARU
- Blog post URL:

⌄ OVERVIEW

As the world struggles to vaccinate the global population against COVID-19, an understanding of how people's backgrounds, opinions, and health behaviors are related to their personal vaccination patterns can provide guidance for future public health efforts. Your audience could be someone guiding those public health efforts. Beginning in spring 2009, a pandemic caused by the H1N1 influenza virus, colloquially named "swine flu," swept across the world approximating 151,000 and 575,000 deaths

Vaccines provide immunization for individuals, and enough immunization in a community can further reduce the spread of diseases through "herd immunity.

BUSINESS UNDERSTANDING: H1N1 AND SEASONAL FLU VACCINES

H1NI is used to prevent infection caused by the influenza A virus and Seasonal Flu vaccines protect against the four influenza viruses. As of the launch of vaccine competition, vaccines for the COVID-19 virus are still under development and not yet available. A National Flu survey was conducted by United States in 2009, survey asked respondents whether they had received the H1N1 and seasonal flu vaccines the questions covered their social, economic, and demographic background, opinions on risks of illness and vaccine effectiveness, and behaviors towards mitigating transmission.The potential target is whether the respondents received H1N1 flu vaccine.

PROBLEM STATEMENT

Using data collected in the National 2009 H1N1 Flu Survey, the problem is to predict whether people got H1N1 and seasonal flu vacine. The goal is to predict how likely individuals are to