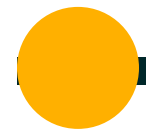


# VACCINATION STATUS PREDICTOR

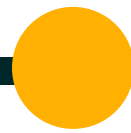
Meir Alelov  
[Github](#)



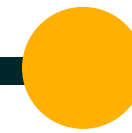
# Presentation Outline



***Business Problem & Data***



***Modeling & Evaluation***



***Recommendations***

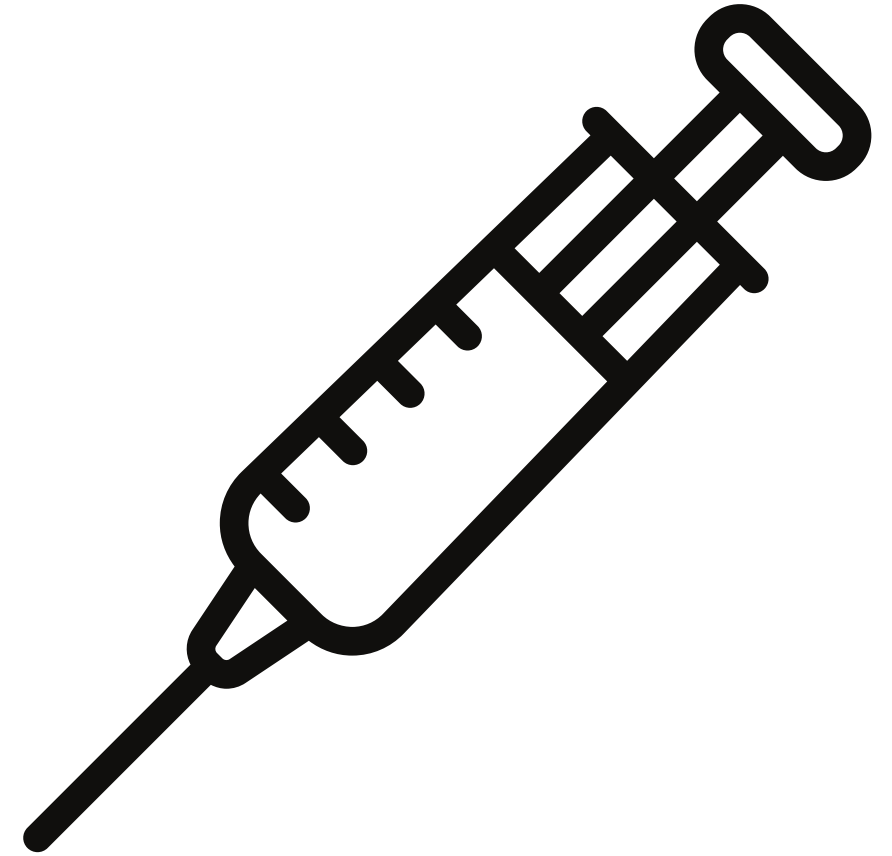


# Overview

● **Seasonal Flu Vaccine Classification**

● **Predicting category**

● **Finding top features**



# Business Problem

**Millions to be made**

**Chairman positions**

**Donor funding**

**Book sales**

**Scary chemicals**

**Microchips**

# Addressing the Problem



● **Use findings to influence the masses**

● **Gain more clout**

● **Secure more funding and income**



# Data Understanding

**National 2009 H1N1 Flu Survey**

**Telephone survey of households**

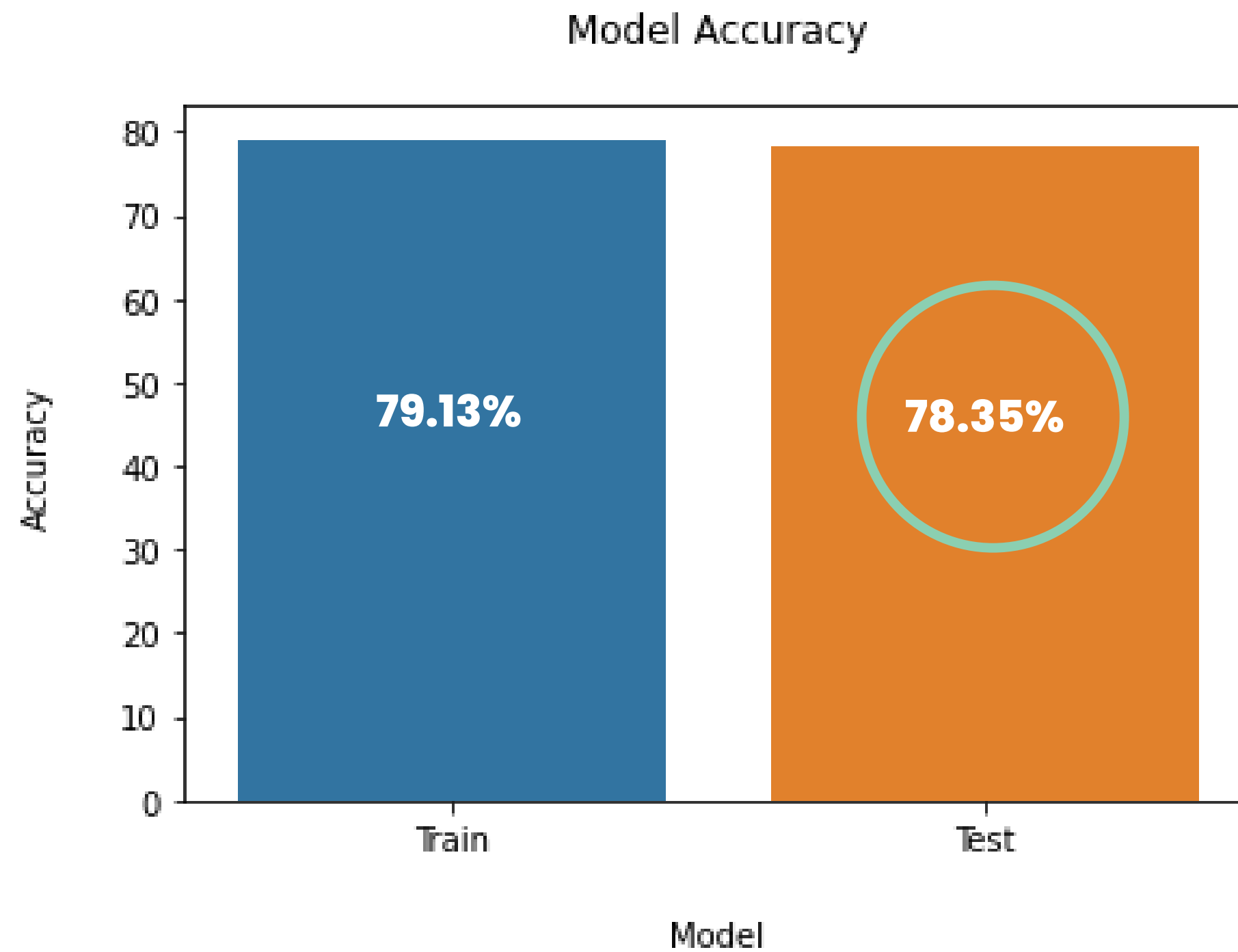
**All persons 6 months or older**

# Additional Information

- **Social, economic, and demographic background**
- **Opinions on risks of illness and vaccine effectiveness**
- **Behaviors towards mitigating transmission**



# Classification Model





# Top Demographic Features

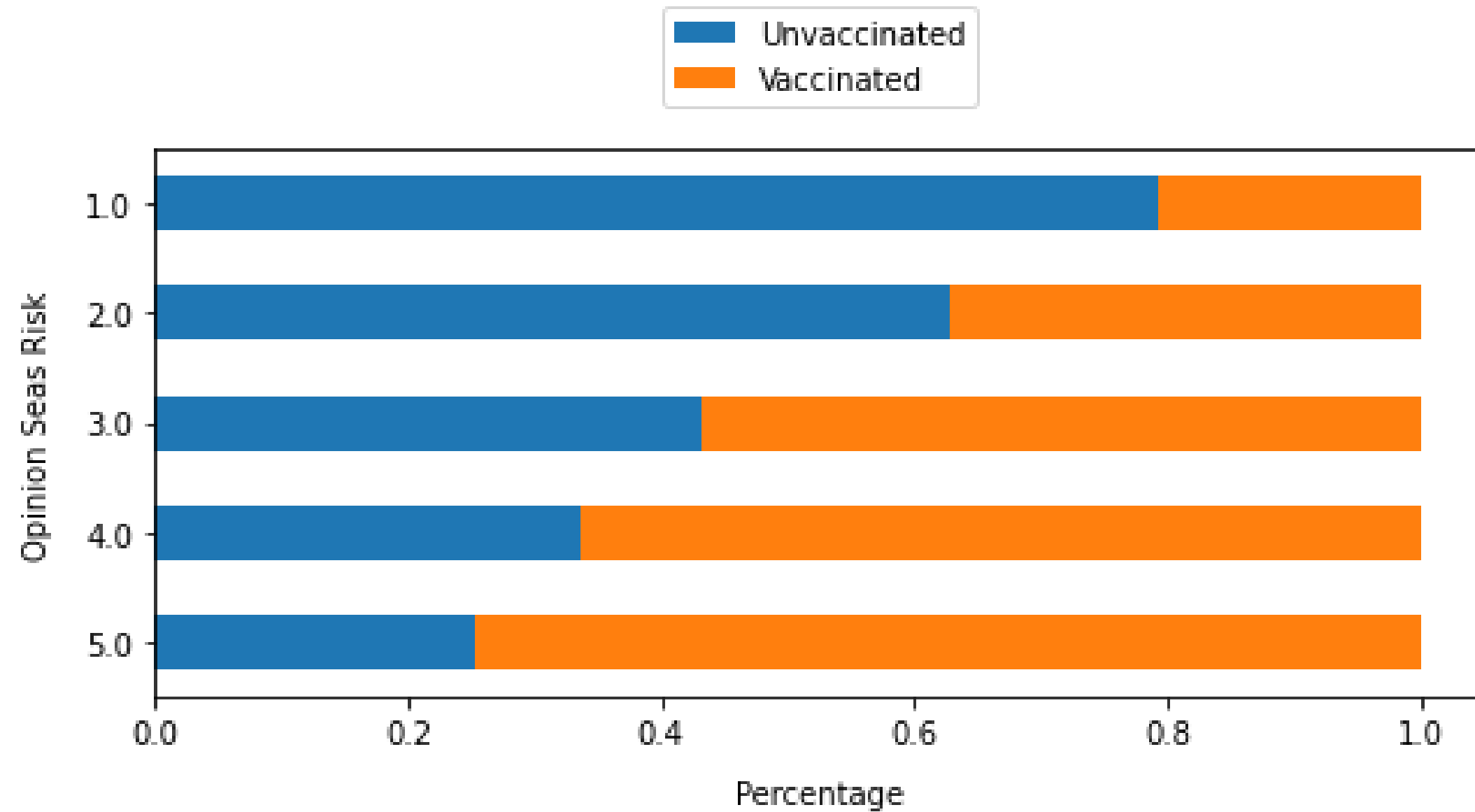
**65+ Age group**

**Doctor  
recommendation**

**Opinion on risk of  
infection without  
vaccine.**

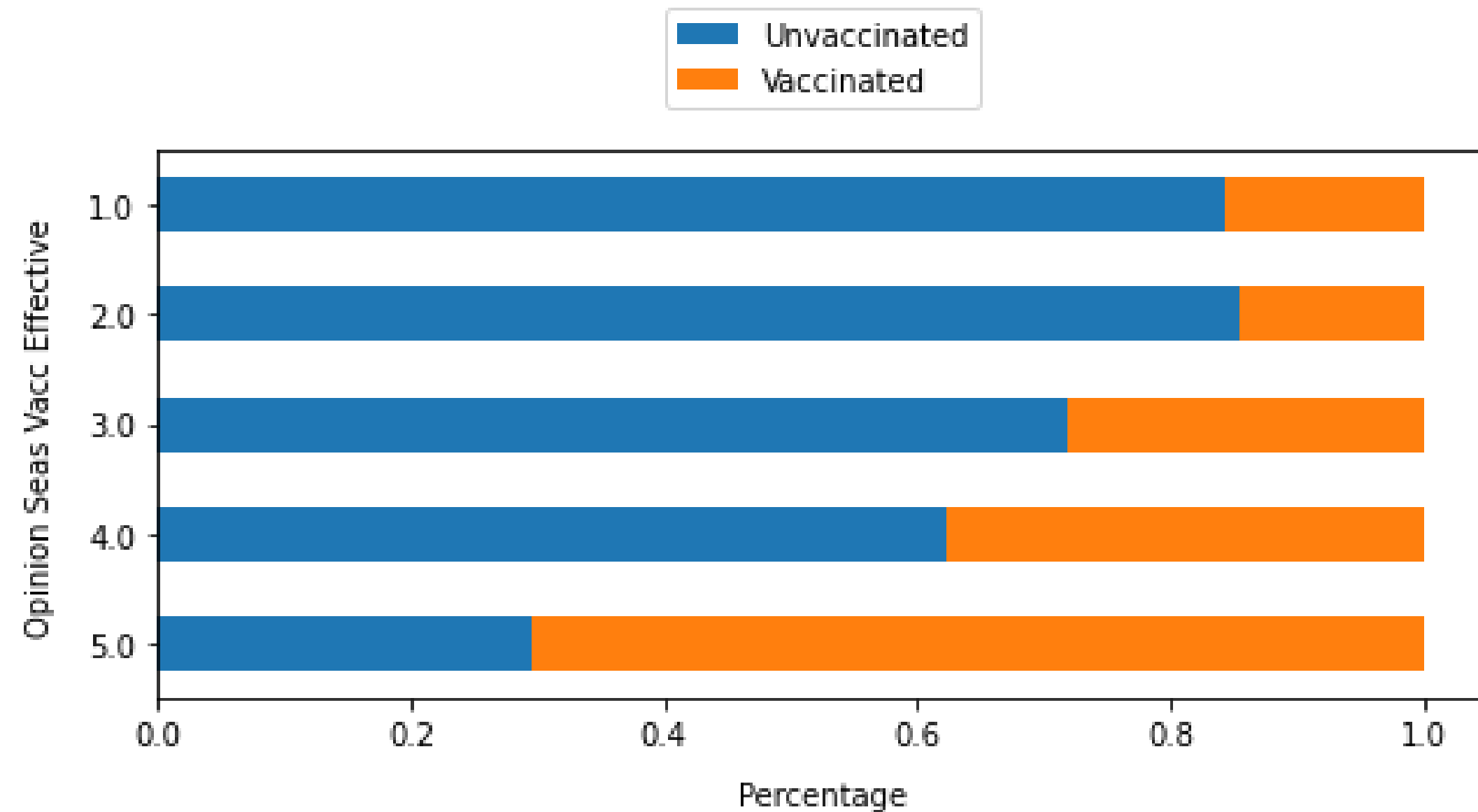
**Opinion on seasonal  
flu vaccine  
effectiveness**

# Infection Without Seasonal Vaccine Risk Opinion

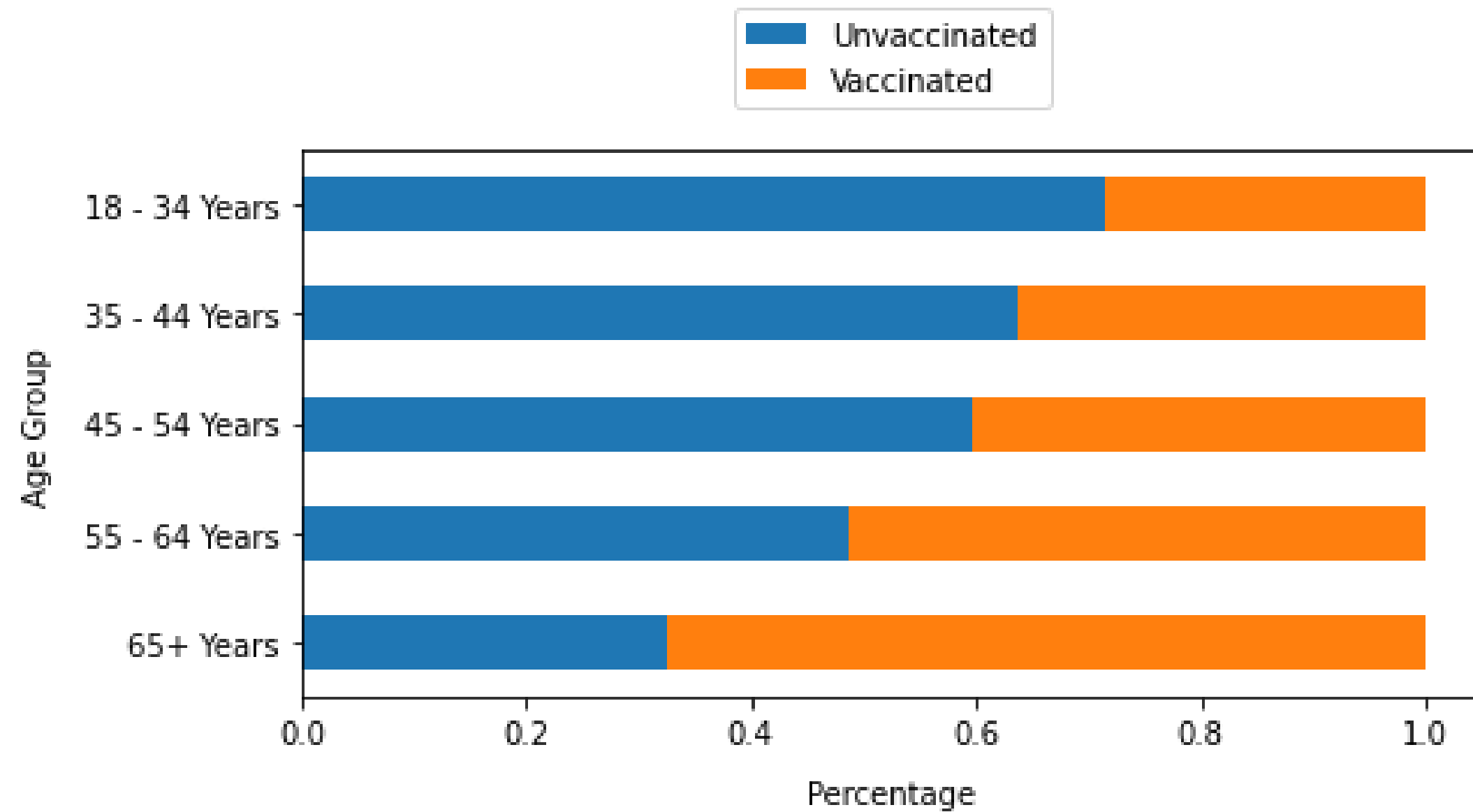


# Seasonal Flu Vaccine Effectiveness

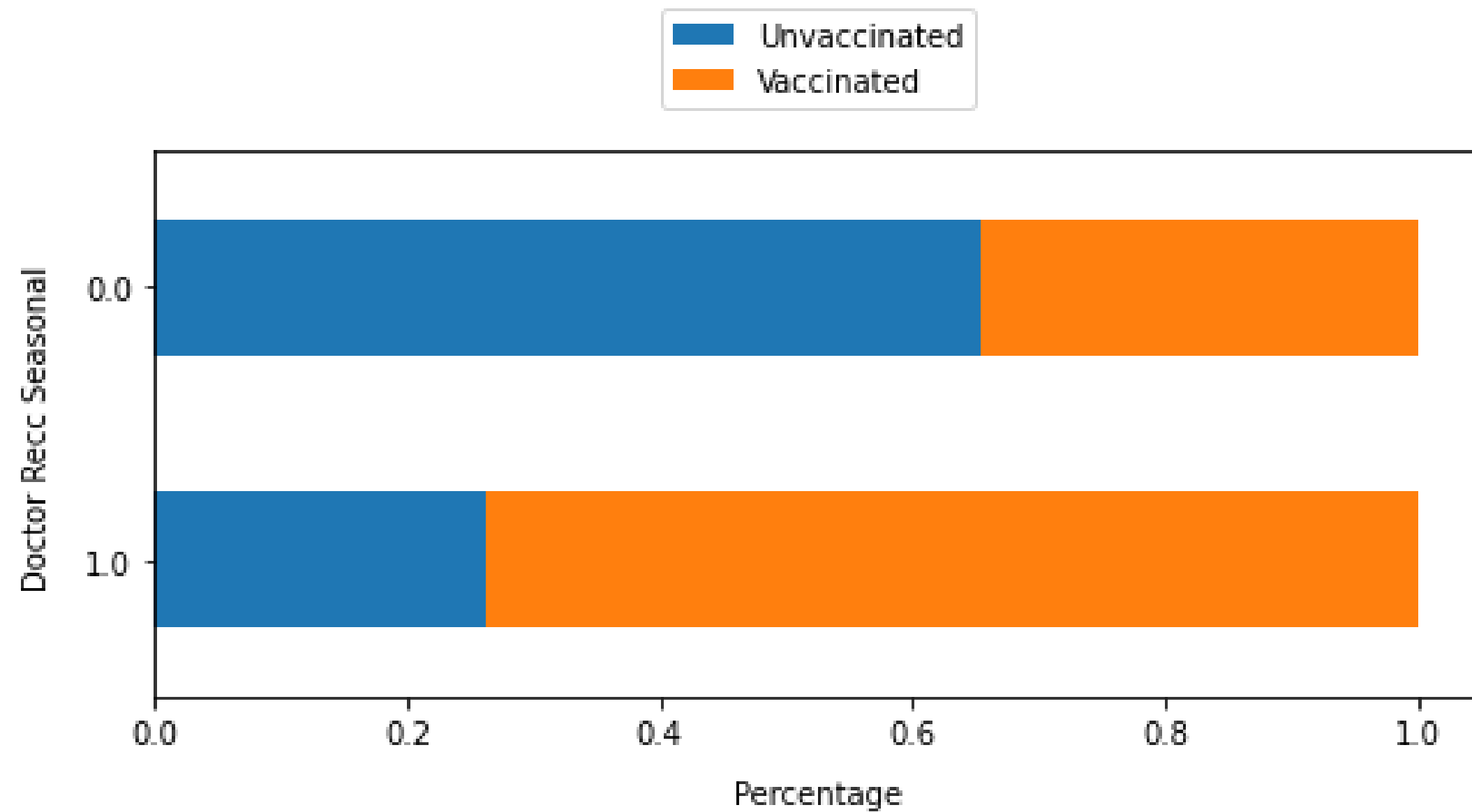
## Opinion



# Age Group



# Doctor's Recommendation



# Where I Come In

**Necessary tools to make real-world changes**

**Build a proven track record**

**Increase income flow**

# Next Steps

**More robust survey**

**More complexity in data**

**More extensive model tuning**

# Thank you

***Questions?***





# Contact Information

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