

Pandemic Anxiety & Depression

Natural Chan

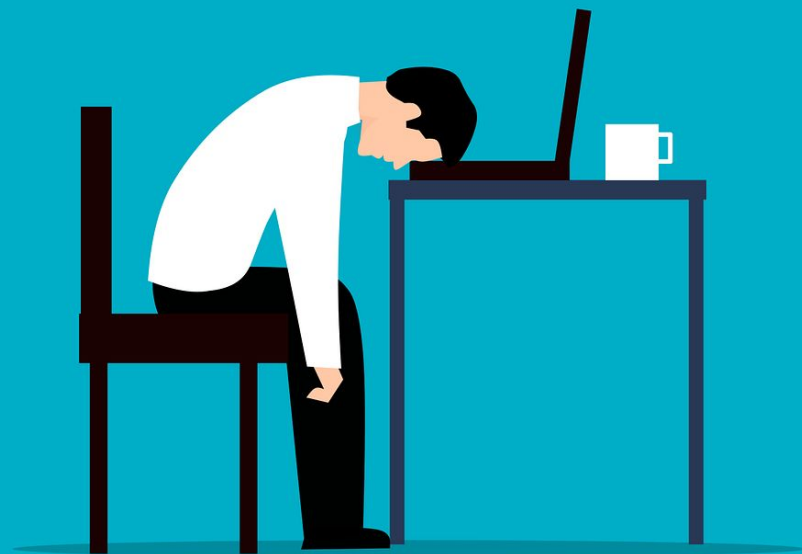


Background

- 18% Experience Anxiety (ADAA)
- 7% Experience Depression (DBSA)
- Raise Mental Health Awareness
- Xanax and Zoloft (Pfizer)
- Identify Key Demographics
- Classify By Symptom Frequency



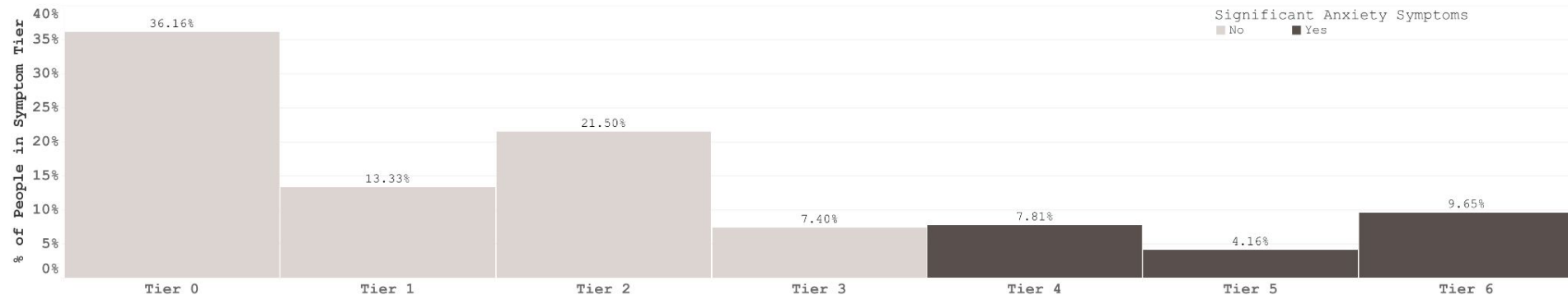
Data



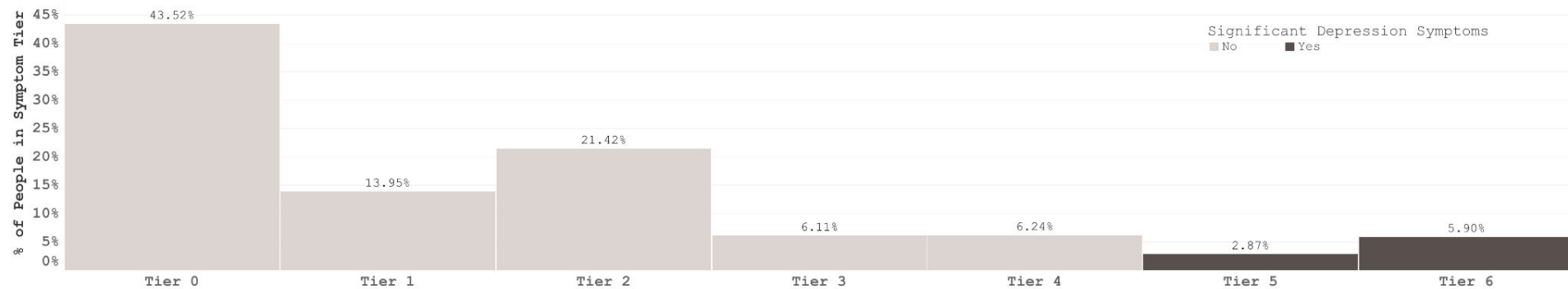
- Survey by CDC
- Sample the Data
- Create labels using symptom frequency

Generating Labels

Anxiety Likelihood

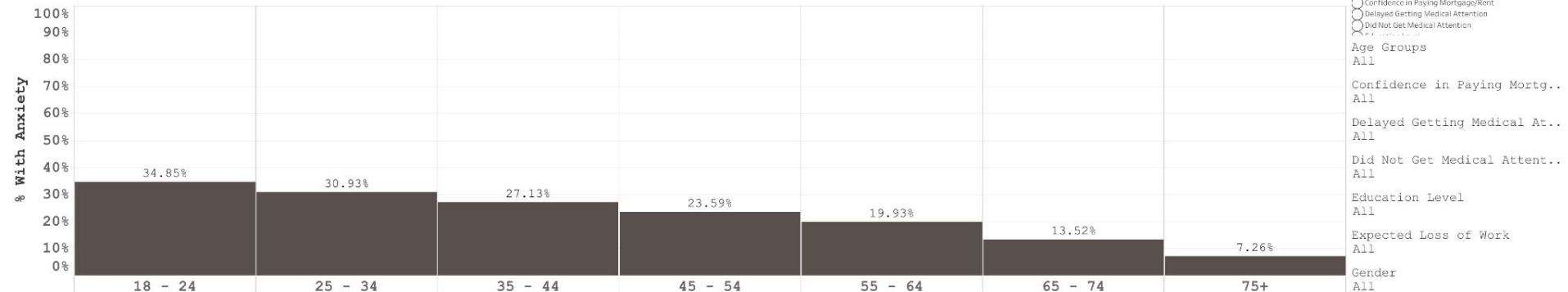


Depression Likelihood

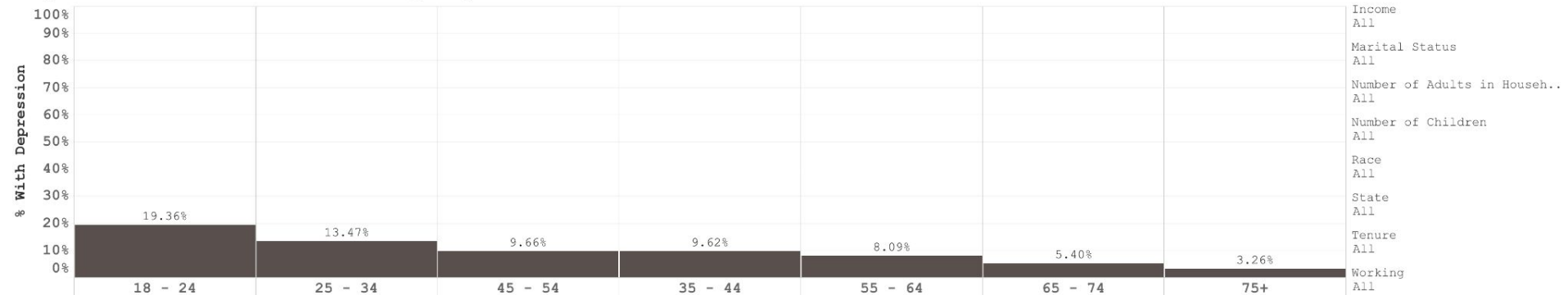


Results

Anxiety Within Demographic

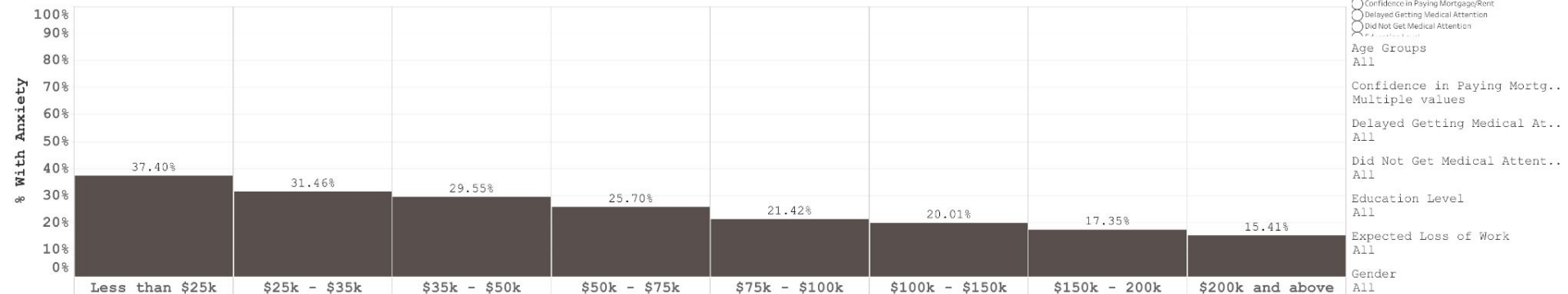


Depression Within Demographic

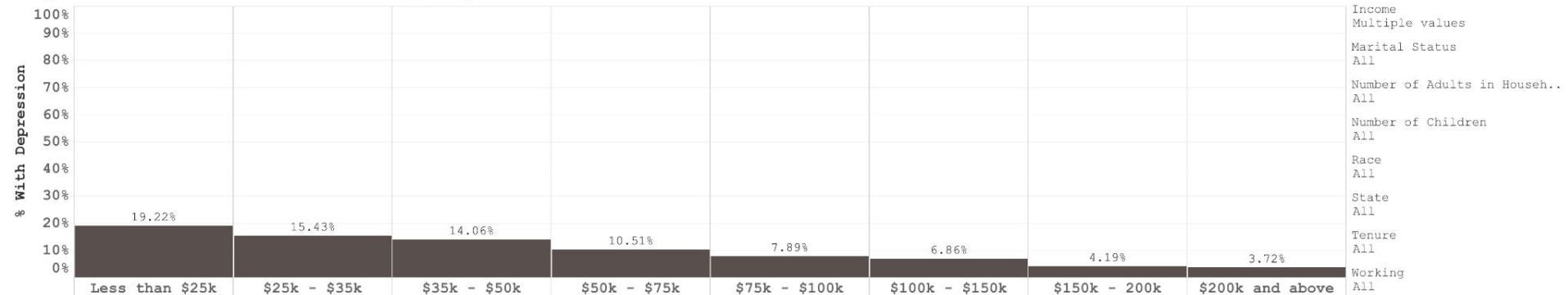


Results

Anxiety Within Demographic

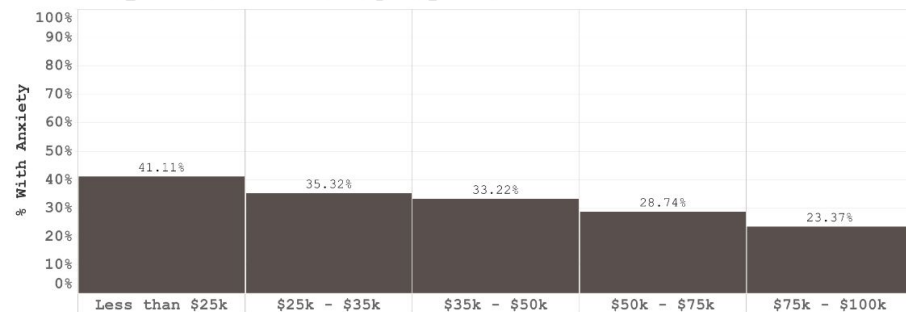


Depression Within Demographic

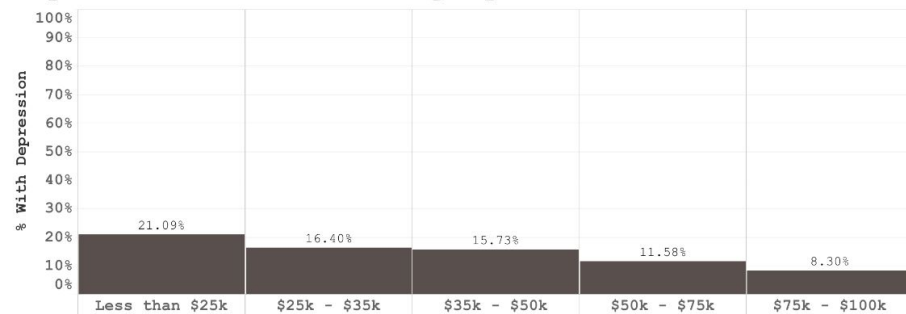


Results

Anxiety Within Demographic



Depression Within Demographic



- Individuals **Between 25 and 64**
- **Millennials** and **Gen X**
- **Millennials** have high usage of **social media**
- **81% of Gen X** used **Facebook** (2017)

Conclusion

- Target **low income** and **younger** groups
- Partner with **Influencers** to **Raise Awareness**
- **Mental Health Posts** on **Facebook**



Future Work

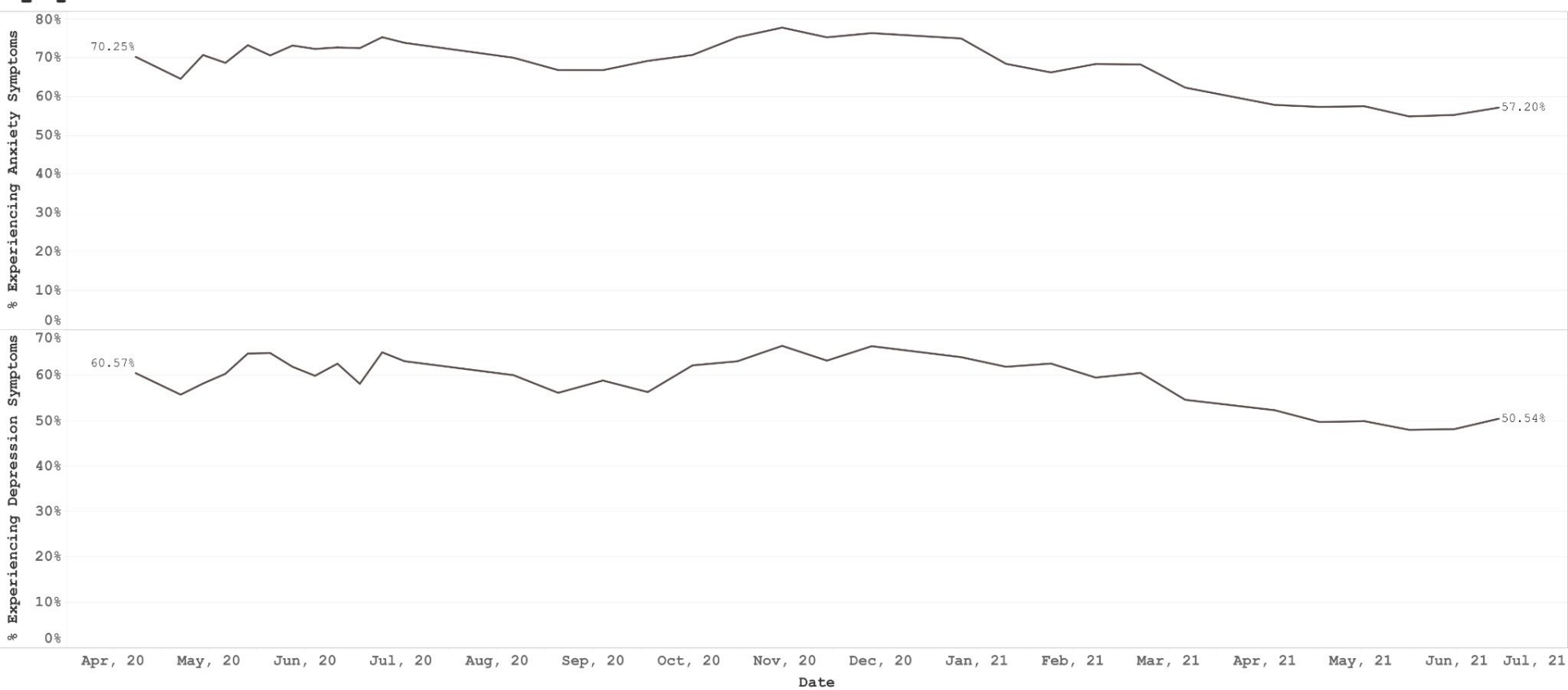


- Classify into Likelihood
- Adjust data sample
- More data
- Updated survey
- Ask questions

Appendix

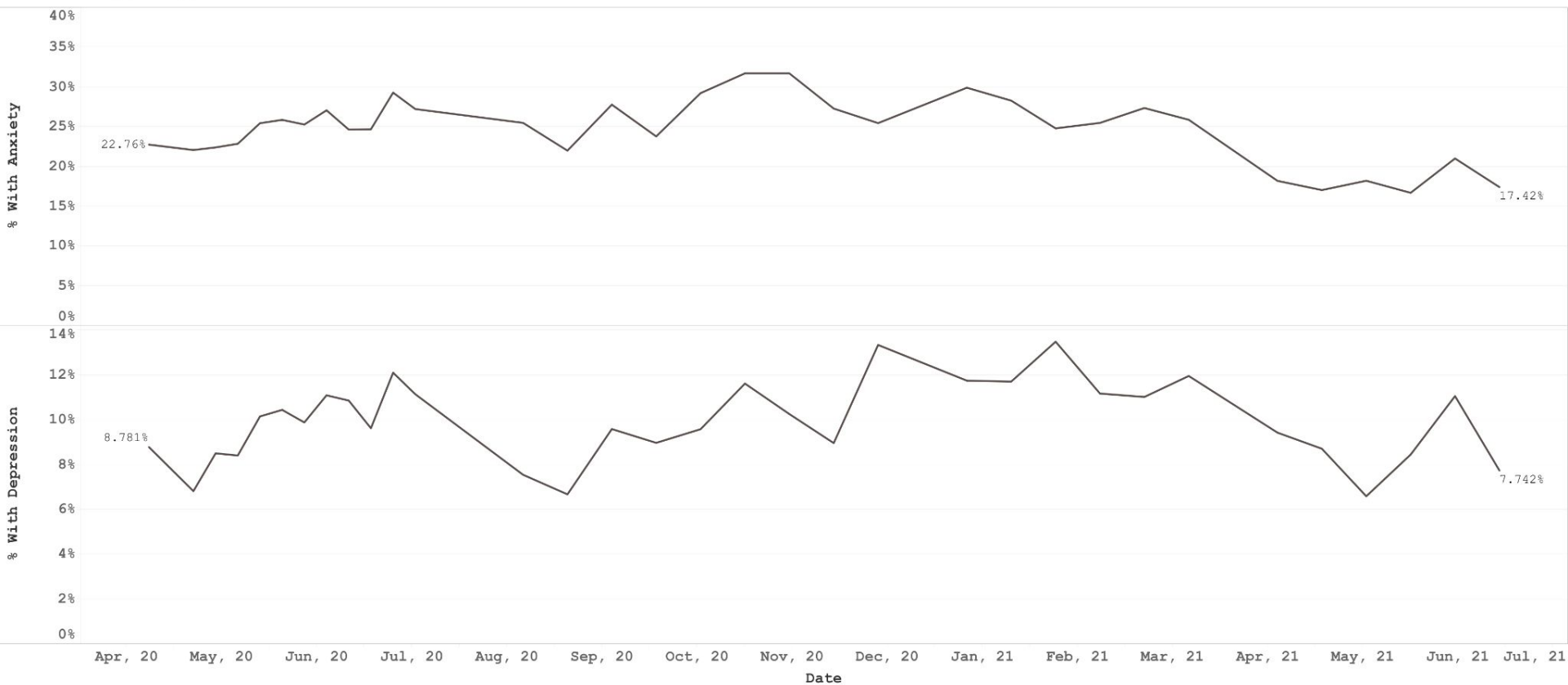
Occurrence of Symptoms Over Time

Symptoms Over Time



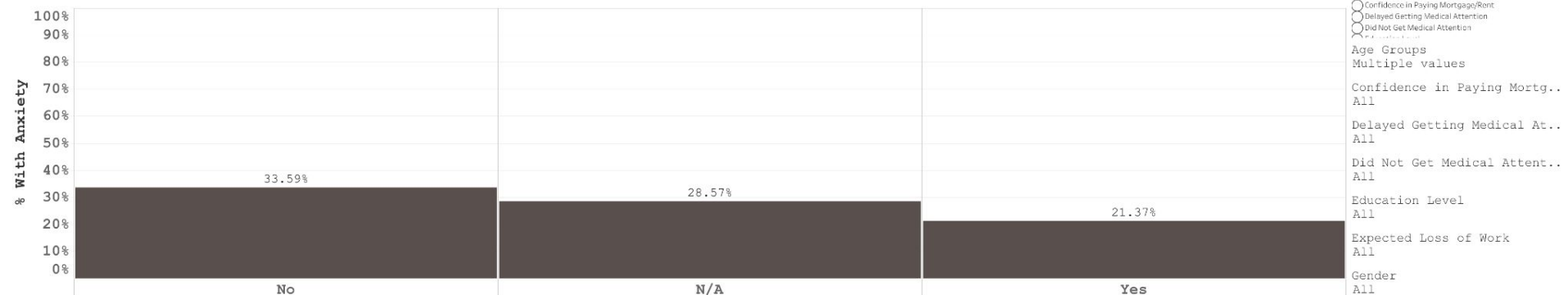
Anxiety & Depression Over Time

Anxiety/Depression Over Time

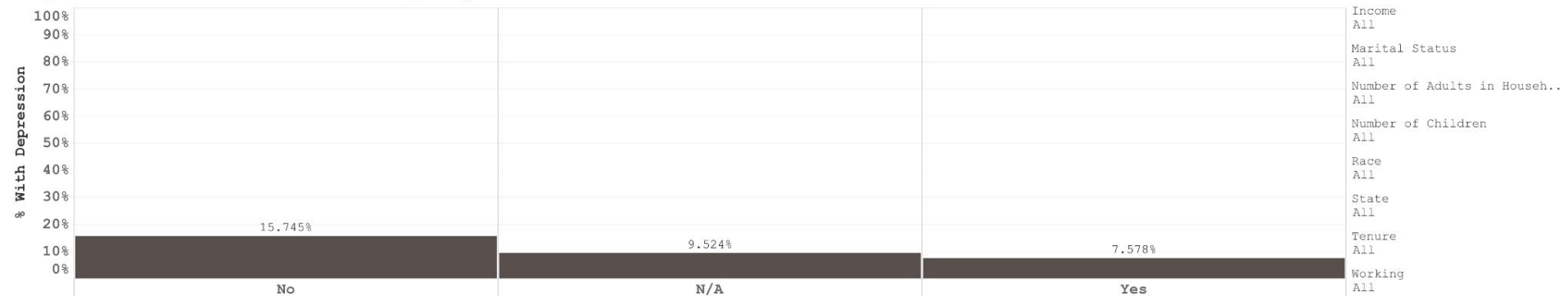


Working or Not

Anxiety Within Demographic

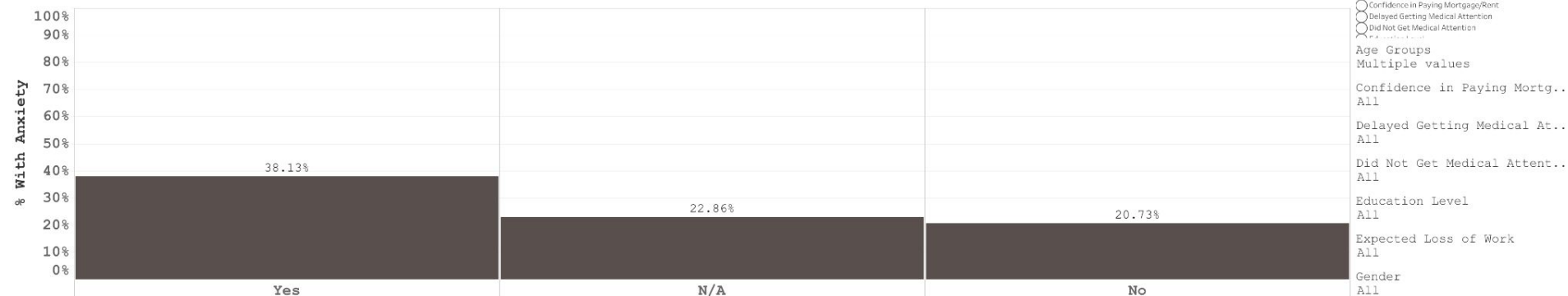


Depression Within Demographic

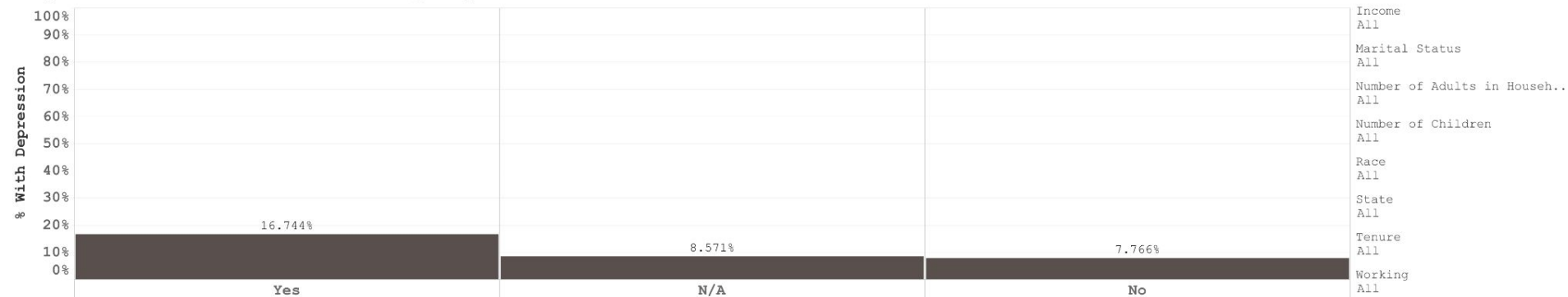


Expected Loss of Work

Anxiety Within Demographic

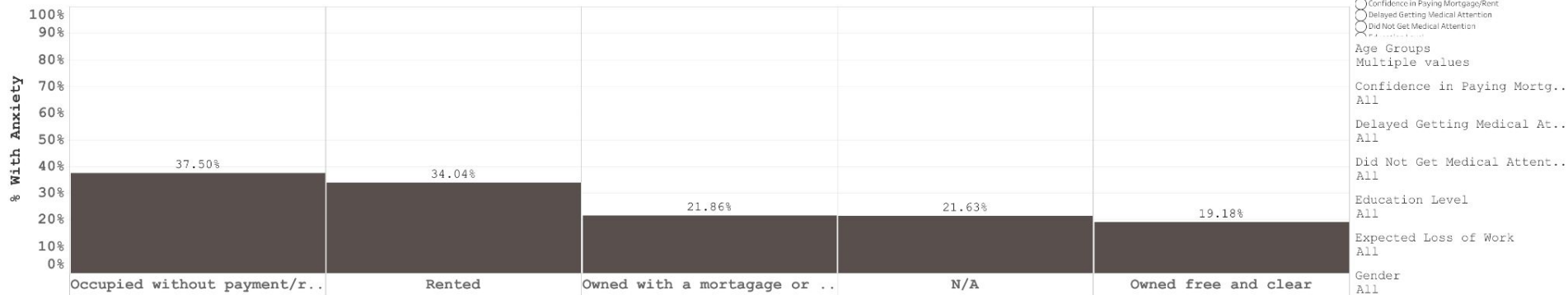


Depression Within Demographic

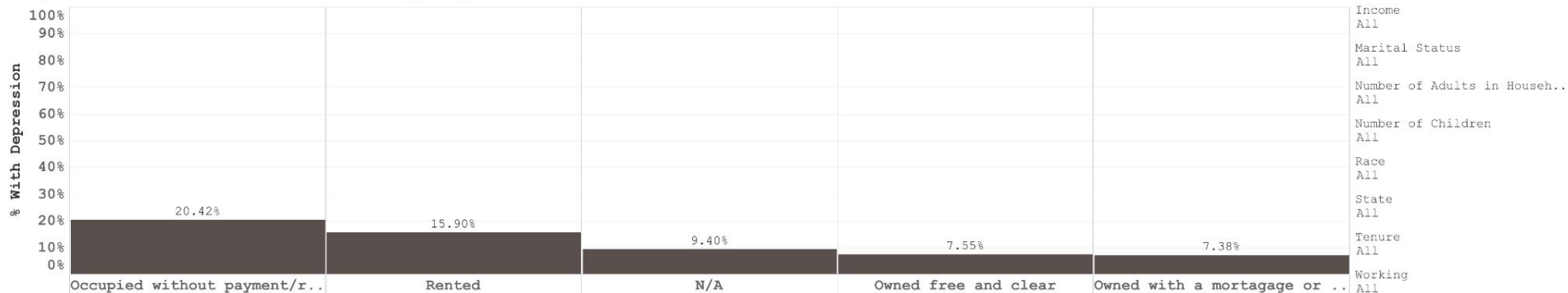


Home Ownership

Anxiety Within Demographic



Depression Within Demographic



Additional Conclusions

- Some spikes - needs investigating
- Correlation with **No Work**
- Home Ownership correlated with less symptoms

