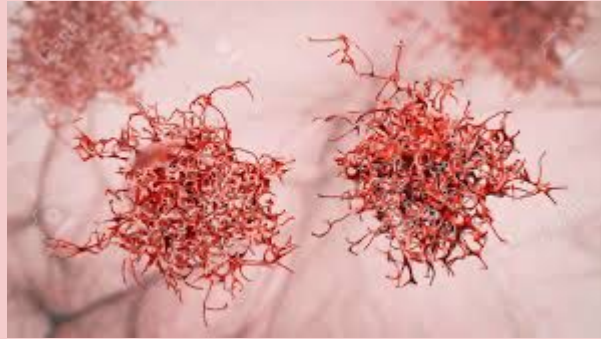


Increasing Cervical Cancer Risk Analysis



Theresa Jean-Baptiste

Florida A&M University REU Virtual Program

Summer Term 2021

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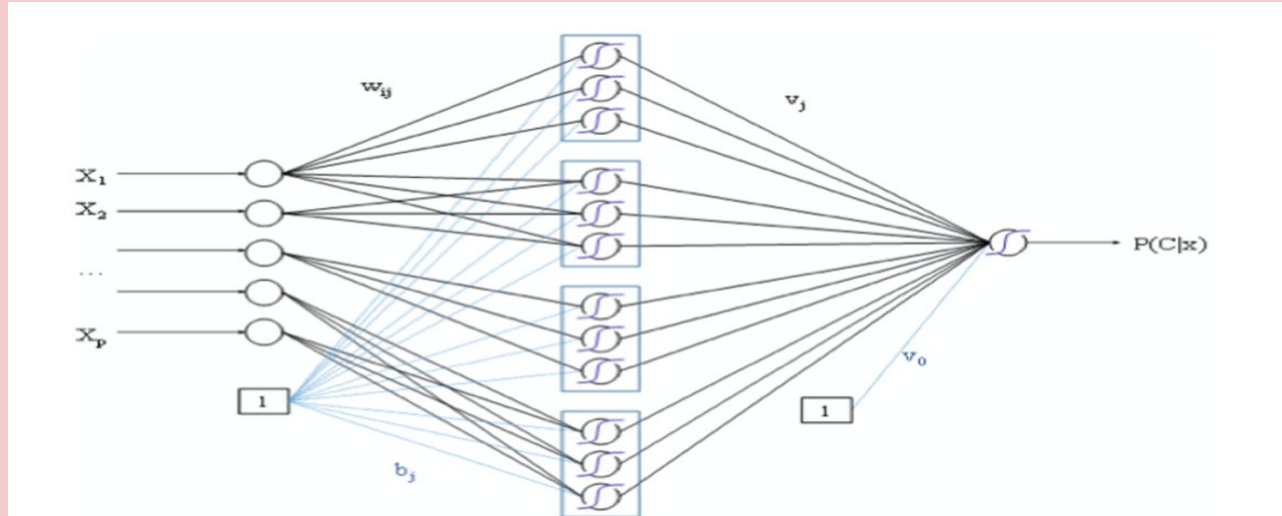
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Motivation

The motivation behind this project is my burning desire to become a Gynecologist, My Family as well as friends, and constant drive for success. I was driven to conduct my project to this research because of how many women are affected by this increasing disease and possibly help many women detect this early with machine learning result.



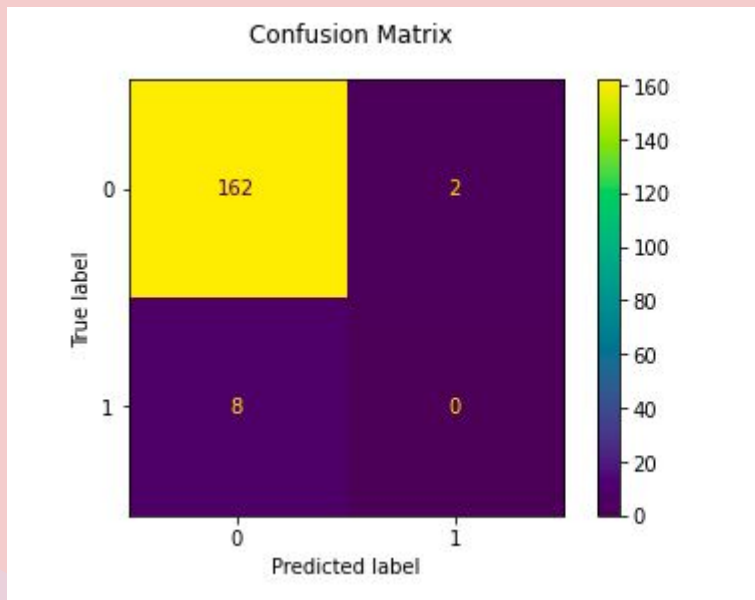
Model



Multi-Layer Perceptron regarding Cervical Cancer

Results

Confusion Matrix



The confusion matrix generated by multilayer perceptron can be explained as the predicted summary results from the data obtained.

Conclusion

In conclusion it can be found as women partake in their first sexual activity and continue they are more at risk. 162 is a dramatic number not necessarily being affected by age and 0 is only seen when a person does not partake in it. In the future I hope to keep furthering my Knowledge on Cervical Cancer, hopefully coming up with a realistic method to cure this disease where one can continue to live their life as a human being.

Future



What has been achieved from the REU Program?

Throughout this tedious summer project I was able to achieve the knowledge on how to properly use different programming sites and how I can collaborate data science into machine and AI learning. I also was able to achieve and experience and skills that would make more more competitive in medical school.





Acknowledgement

While working extremely hard on this project I can not take all the credit of this project. I would like to Thank Yohn, Carlos, Gregor, Victor, and Jacques for all of their Help. Thank You!

