## References for SIR Model Project

## Your Name

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## References

This section provides a list of references used in the SIR Model project. These resources include information about the SIR model, numerical methods, Python implementation, and real-world applications.

- 1. Wikipedia SIR Model. https://en.wikipedia.org/wiki/Compartmental\_models\_in\_epidemiology
- MathWorld SIR Model. http://mathworld.wolfram.com/SIRModel.html
- 3. Khan Academy Differential Equations and Epidemiology. https://www.khanacademy.org/science/biology/ecology/population-ecology/a/compartmental-models-i
- 4. Wikipedia Euler's Method. https://en.wikipedia.org/wiki/Euler\_method
- 5. Wikipedia Runge-Kutta Methods. https://en.wikipedia.org/wiki/Runge%E2%80%93Kutta\_methods
- 6. Numerical Methods for Differential Equations (University of Utah). https://www.math.utah.edu/~gustafso/2250numerical.pdf
- 7. NumPy Documentation. https://numpy.org/doc/
- 8. Matplotlib Documentation. https://matplotlib.org/stable/contents.html
- SciPy Solving Differential Equations. https://docs.scipy.org/doc/scipy/reference/integrate.html
- 10. Git-hub Repository COVID 19-SIR https://github.com/Lewuathe/COVID19-SIR.git