

Feedback on ODE Modelling Project

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November 29, 2023

Code and software development

9/10

Your code runs and reproduces the results in your notebook. It is clearly laid out and well commented and you have made good use of imported functions to reuse your code and keep your notebook concise. Your GitHub commit history is fantastic and provides a good record of the progress of your work. One small thing to note is that the bred vector cell in your notebook takes a long time to run because you repeatedly call your **BredVector** function to access different parts of the output. You can avoid this by getting all of the output in one go, i.e.

```
Xc, Xper, bred, growth, growth_time, timesteps = BredVectors(X0=X0,Xp=Xp,t=t,dt=dt,max_t=max_t,n=n)
```

Report

29/30

You have produced some excellent independent work for all of the sections of this report. Your descriptions of your methods, assumptions and results are thorough and clear. Your mathematical notation is correct and well formatted. You have carefully and thoroughly explored all aspects of the coursework brief, connecting your results to the models and the real world situations that they represent.

Your report is beautifully presented and carefully edited - I really enjoyed reading it! Your figures are clearly labelled and you have taken care to present them side-by-side so that it is easy to see the comparisons that you describe in your text. You have found some interesting references, cited them appropriately throughout your text and formatted them correctly.

TOTAL

38/40