Computational Assignment 4

Criteria	Ratings					Pts
At least 3 Commits At least 3 git commits to bitbucket with comments	**1 pts** **Full Marks**	**0 pts** **No Marks**				1 pts
All requisite files in the repository Including both .m files, both .py files, both .html files, and both .ipynb files.	**1 pts** **Full Marks**	**0 pts** **No Marks**				1 pts
Both param estim f les labeled correctly both param estim 3 lump.m and param estim 4lump.m	**2 pts** **Full Marks**	**1 pts** **Only 1 labeled correctly**	**0 pts** **No Marks**			2 pts
Correctly using data from table 1	**2 pts** **Full Marks**	**0 pts** **No Marks**				2 pts
Correct usage of lsqcurvefit	**8 pts** **Full Marks**	**0 pts** **No Marks**				8 pts
Usage of resnorm output	**2 pts** **Full Marks**	**0 pts** **No Marks**				2 pts
Correct usage of ode23s solver and system	**6 pts** **Full Marks**	**4 pts** **somewhat correct use**	**3 pts** **incorrect usage**	**2 pts** **Mildly correct use**	**0 pts** **No Marks**	6 pts
Printing parameter values Print to output screen labeled with names	**4 pts** **Full Marks**	**0 pts** **No Marks**				4 pts
Figure 1 yi vs t figure, data, fitted curve, and legend	**8 pts** **Full Marks**	**0 pts** **No Marks**				8 pts
Figure 2 yi vs conversion figure, data, fitted curve, legend	**8 pts** **Full Marks**	**0 pts** **No Marks**				8 pts
Submission contains 2 .html files	**7 pts** **Full Marks**	**0 pts** **No Marks**				7 pts
3lump has no errors	**1 pts** **Full Marks**	**0 pts** **No Marks**				1 pts
4lump has no errors	**1 pts** **Full Marks**	**0 pts** **No Marks**				1 pts
Correctly named python files param estim 3lump.py, param estim 4lump.py	**2 pts** **Full Marks**	**0 pts** **No Marks**				2 pts
Correctly using data from table 1	**2 pts** **Full Marks**	**0 pts** **No Marks**				2 pts
Correct usage of curve_fit	**8 pts** **Full Marks**	**0 pts** **No Marks**				8 pts
Correct usage of pcov	**2 pts** **Full Marks**	**0 pts** **No Marks**				2 pts
Correct usage of odeint Correct solver and ODE system	**6 pts** **Full Marks**	**0 pts** **No Marks**				6 pts
Printing parameter values Print to output screen labeled with names	**4 pts** **Full Marks**	**0 pts** **No Marks**				4 pts
Figure 1 yi vs t figure, data, fitted curve, and legend	**8 pts** **Full Marks**	**0 pts** **No Marks**				8 pts
Figure 2 yi vs conversion figure, data, fitted curve, legend	**8 pts** **Full Marks**	**0 pts** **No Marks**				8 pts

Computational Assignment 4

Criteria	Ratings		Pts
Submission contains 2 .ipynb files	**7 pts** **Full Marks**	**0 pts** **No Marks**	7 pts
3lump executed correctly	**1 pts** **Full Marks**	**0 pts** **No Marks**	1 pts
4lump correctly executed	**1 pts** **Full Marks**	**0 pts** **No Marks**	1 pts
			Total Points: 100