

- 1) (3 pts) Modify the `sc1.m` script to include the calculation of  $r$  and  $R^2$ . What are the values of these quantities?
- 2) (12 pts) Redo Problem 4 of Homework 2. However, you can't use the `norm` function. You can only use the `sum`, `sqrt`, `max` and `abs` functions and the basic calculation operators (note: `'`) will be considered as an operator for the rest of the semester). We have not looked at the `max` and `abs` functions, but you can type `help max` and `help abs` to see what these function do (you might want to do some experimenting with these).