

## Individual feedback: MAS6002/6024/468 Assignment 3

Registration number	170224545
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Part 1	Comments
(1) Is the value of $c$ correct?	Yes.
(2) Can the user specify relevant aspects of the grid?	<p>There is no code to build the grid, meaning there is no way to compute the "mle" numerically.</p>
Does the code exploit vectorisation where possible?	
Is the code otherwise efficient?	
Is the code well annotated?	
(3) Is the mle given to 2 decimal places?	Yes.
Has the answer been checked against $\hat{\beta} = (X^t X)^{-1} X^T y$ ?	Yes, but there is no numerical solution to compare to.

Part 2	Comments
<p>(1) Does the function do what was asked for?</p> <p>Does the function allow the user to specify the requested parameters?</p> <p>Is the function concise and general?</p> <p>If needed is the function suitably annotated?</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
<p>(2) Do the probabilities look plausible?</p> <p>Is the probability of <math>H</math> assessed as a function of <math>n</math> and <math>p</math>?</p> <p>Are there relevant comments on the results?</p>	<p>Yes</p> <p>Yes.</p> <p>Figs. 1 and 2 should be organised so they don't look like empty.</p>
How could plots be improved?	<p>Number the figures; provide detailed captions;</p> <p>better x-axis labels; better y-axis labels; bigger plots;</p> <p>provide a legend; show multiple plots in the same figure;</p> <p>less white space (modify mai); change xlim or ylim;</p> <p>larger font.</p>
Is the work well presented?	Yes.
Grade	Pass.