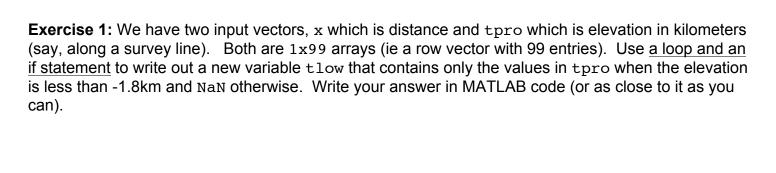
Name Group

EOSC 211 – Week 08 – Worksheet(2) - Functions



What is the length of the new vector tlow?

Exercise 2: Turn the code snippet above into a function that returns a vector tlow2 that is exactly the same as tlow, but that takes as input (1) tproin and (2) a variable called cutoff that contains an arbitrary cut-off for the elevation (ie, I might want to select elevations below -2km or -1.8 km or -1.5km, so make this a variable). Start by writing down what you think the function call from the main script should look like if you want to process tpro with a cutoff of -1.8.

Function Call:

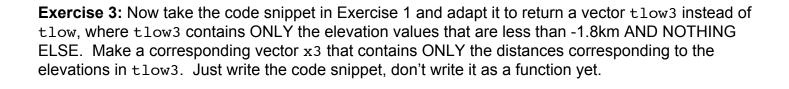
Now write down the function definition line:

Now write the H1 and help lines:

Now write down the body of the function:

Name Group

EOSC 211 – Week 08 – Worksheet(2) - Functions



Exercise 4: Now turn the code snippet in Exercise 3 into a function that returns a vector tlow4 that is exactly the same as tlow3 in Ex. 3, and a vector x4 that is the same as x3 in Ex. 3.

Input arguments:

Output arguments:

Function Call:

Now write down the function definition line:

Now write down the body of the function:

Exercise 5: Finally, I need not have used a loop and an "if" statement in the function. How would I rewrite the body of the function in Exercise 4 to use logical indexing? Note that the function call and function definition line don't need to be changed.