

%This function takes in a pet image currentpet (as a row vector) and
%two additional row vectors, avg_cat and avg_dog, corresponding to
%the average cat and dog images.
%The function should output 0 as its guess if currentpet is closer to
%avg_cat than avg_dog, and 1 as its guess if currentpet is closer to
%avg_dog than avg_cat. In the case of a tie, it should guess 1.

```
function guess = hw3_classifier(currentpet,avg_cat,avg_dog)
    cat_distance = norm(currentpet - avg_cat);
    dog_distance = norm(currentpet - avg_dog);

    if cat_distance < dog_distance
        guess = 0;
    else
        guess = 1;
    end
    %Your code should go above this line.
    if (guess~=0 & guess~=1)
        error("The variable guess is not 0 or 1.")
    end
```

Not enough input arguments.

Error in hw3_classifier (line 9)
cat_distance = norm(currentpet - avg_cat);

