```matlab
function f1 = calc_f1(confusion_matrix)
%CALC_F1 calculate F1-score from confusion matrix

sum_classification = sum(confusion_matrix,2); % the rows
sum_test_areas = sum(confusion_matrix); % the columns

TP = diag(confusion_matrix);
TN = calc_TN(confusion_matrix);
FP = sum_classification - diag(confusion_matrix);
FN = sum_test_areas' - diag(confusion_matrix);

f1 = (2*TP)./(2*TP+FN+FP);

end
```

Not enough input arguments.

Error in calc_f1 (line 4)
sum_classification = sum(confusion_matrix,2); % the rows

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