function [objValue] = getObjective(boxOffice, metacritic, objParams)

%Outputs the actual objective value of our optimization model

% Normalizes the outputs of the box office and metacritic models and

% returns an overall (weighted) objective function value

%Extract the objective function parameters from the vector:

w1 = objParams(1); %box office weight

w2 = objParams(2); %metacritic weight

mean1 = objParams(3); %mean of box office

mean2 = objParams(4); %mean of metacritic

sigma1 = objParams(5); %SD of box office

sigma2 = objParams(6); %SD of metacritic

boxOfficeScore = (exp(boxOffice) - mean1)/sigma1;

metacriticScore = (metacritic - mean2)/sigma2;

objValue = w1\*boxOfficeScore + w2\*metacriticScore;

end