function [objValue] = getObjective(boxOffice, metacritic, w1, w2, mean1, mean2, sigma1, sigma2)

%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

boxOfficeScore = (boxOffice - mean1)/sigma1;

metacriticScore = (metacritic - mean2)/sigma2;

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

end