EE 495/695 - Assignment 2
(3 points to add to Quiz 4 grade)

(1) Consider a 320 W PV panel (model # KD320GX-LPB) that is placed in a horizontal position on a roof in Las Vegas, NV (ignore shading and soiling). Use TMY3 data to determine the maximum annual energy production when (a) ignoring the impact of temperature, and (b) including the impact of temperature on the panel performance. Note that the panel NOCT = 45°C, and the temperature coefficient of power is -0.45%/°C.

(2) Repeat the above study if the roof is located in San Diego, CA.

(3) Repeat the above study if the roof is located in Seattle, WA.

Plot the results in a graphical form.