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%Jessica Marshall
%ECE411 Data Visualization Exercise
%Median Yearly Income / Happiness Index
%September 15, 2016

clc; clear all; close all;

filename = 'ECE411_Happiness_vs_Income.xlsx';
mydata = readtable(filename,'Range','A1:C124');

y = xlsread(filename,'B2:B124');      %Median GDP per Capita
x = xlsread(filename,'C2:C124');      %Happiness Index
sz = 70;
%sz = linspace (1, length(x), length(x))    %vary size of markers

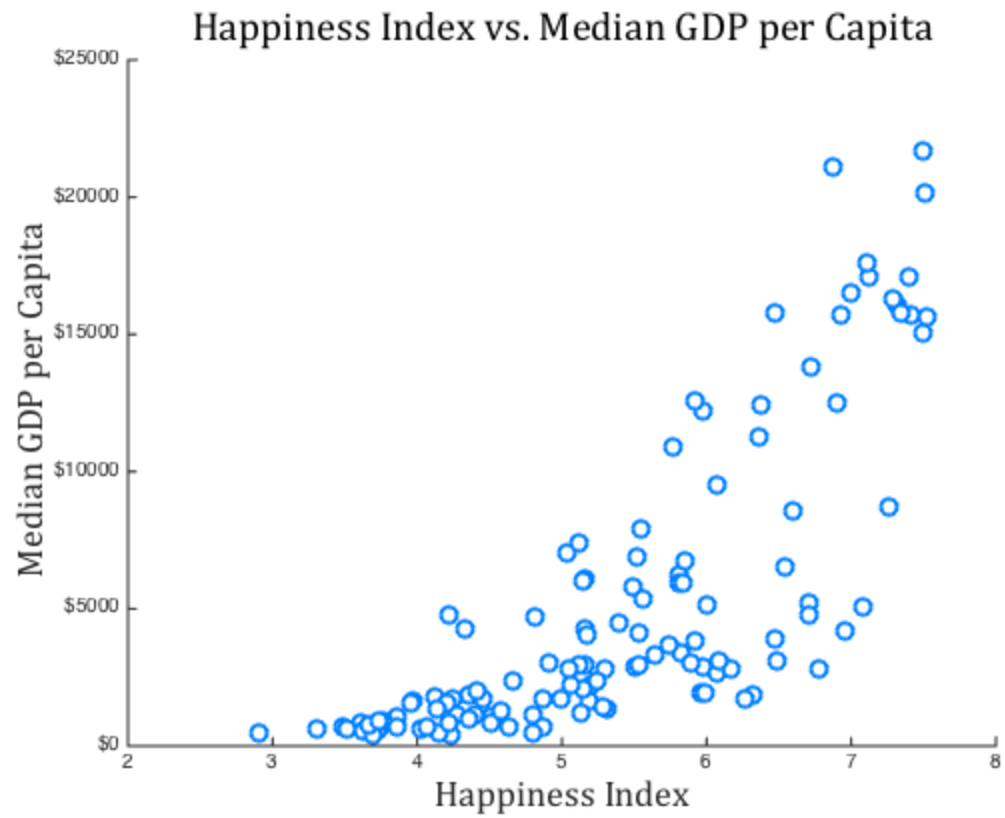
scatter(x, y, sz, 'MarkerEdgeColor',[0 .5 1],...    %RGB
        'MarkerFaceColor',[1 1 1],...
        'LineWidth',2.0)

title('Happiness Index vs. Median GDP per Capita', 'FontSize', 20,'FontWeight','no

xlabel('Happiness Index','FontSize',18, 'FontName', 'Cambria')

ylabel({'Median GDP per Capita'}, 'FontSize',18, 'FontName', 'Cambria')
set(gca, 'Yticklabel', {'$0','$5000','$10000','$15000','$20000','$25000'})

Warning: Variable names were modified to make them valid MATLAB identifiers.
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