

ECON 5350 Problem Set #4

Due: Tuesday, November 3 by 11:59 pm

MATLAB PROBLEM

1. Use the spline regression and the interactive dummy variable model to test four different hypotheses:

- (a) the planet is warming at an increasing rate.
- (b) the cost of college is increasing at an increasing rate.
- (c) U.S. labor force participation rates are declining.
- (d) U.S. COVID total deaths are increasing at a decreasing rate.

For each of the four hypotheses, collect the necessary data and include at least one explanatory variable in your model. Report your regression estimates in four separate tables and include the appropriate test statistics.