

Regression Problem

Using the global temperature and CO₂ concentration datasets in https://nirkrakauer.net/classes/ce315/code/Land_and_Ocean_summary.txt and https://nirkrakauer.net/classes/ce315/code/co2_annmean.txt,

- (a) Plot the least-squares fit of temperature as a quadratic function of time.
 - (b) Plot the least-squares fit of temperature as a linear function of $\log(\text{CO}_2)$.
- Give the R^2 of each of the regression fits.