

ADM 2304 - Assignment 2

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1. Climate Change

The dataset **Climate** contains information on the temperatures observed in 1948 and 2018 for a set of 197 randomly sampled locations from the National Oceanic and Atmospheric Administration's records¹. In the dataset, the variable "dx90_1948" indicates the numbers of days in which the temperature exceeded 90 °F in 1948 for each location. Similarly, "dx90_2018" indicates the number of days in which the temperature exceeded 90 °F in 2018. We would like to determine whether the dataset provides convincing evidence that there were more days in 2018 with temperature exceeding 90 °F than in 1948. To this end, answer the following questions:

2. Fuel Economy

3. Daily Activity

4. Management and Engineering Students