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Throughout this past week, I worked on a different approach to structuring my x-data for the Machine Learning model. Previously, I only used the data within the individual frames of the dashcam video as my x-data. I didn't take into account any of the features of the frames themselves (i.e., the number of cars or their positions) and left it up to my algorithm to extract meaningful data from the video frames. Clearly, this approach has many drawbacks; the main one being that using unaltered frames as input data may consist of too much random or noisy information for a computer model to successfully derive patterns from. Consequently, I'm changing my x-data construction by including more information regarding the attributes of the video frames themselves. Namely, given a particular dashcam video frame, I will only give my algorithm the positions of the cars, their relative depths, and velocities (this list will be expanded in the future). Limiting the information, I provide my crash prediction model will enable it to more effectively determine patterns in the dashcam videos that are indicative of a future crash.