

Machine Learning Assignment

Problem - 1:

Suppose you have a dataset containing video clips. Each clip shows a single action been performed. The dataset contains four actions - running, jumping, standing still, kicking a ball.

Your task is to suggest a model, which will help us to classify the clips based on the action performed in the clip.

Example if we input to the model, a clip performing running action, the model should output the class as 'running'.

You are expected to define your approach in terms of input to the model, model architecture and what kind of output the model generates. You are not required to program anything. You have the liberty to refer to various literatures and researches on the same problem and your submission could even be a summary of your exploration.

Problem - 2:

You are required to explore on the given questions and summarize your findings.

1. What are the ways of optimising the web application loading time?
2. Define and explain various components of an URL?

Note:

1. Kindly revert to Nirali.sanghvi@quantiphi.com
2. Send it by 10th September, Saturday by the end of the day.