Read Me file for "Dynamic Cache Management In Content Delivery Networks"

September 26, 2018

1 mat files

1.1 demandDATA

This mat file has the processed data. The data is been divided into many segments where each represents the demands observed in that hour.

1.2 videoData

This mat file contains a matrix 'videoData', which has video ids in first column and respective sizes in second column.

1.3 videoId

This mat file contains a matrix 'vidID', which is a vector with stream of video ids that are requested by the users.

1.4 Results Tuning Parameters

This mat file contains information of tuning parameters which are μ, and T_{up}^{λ} tuned by considering the initial 2 months of data.

2 m files

2.1 testcode Top1 size

This m file contains the matlab code for the proposed algorithms on Topology 1. It takes the processed data, tuning parameters, the value of T_v(cache update interval) and the cache size as input and provide the defined performance measures as out put.

2.2 testcode Top2 size

This m file contains the matlab code for the proposed algorithm on Topology 2. It takes the processed data, tuning parameters, and the cache size as input and provide the defined performance measures as the out put.