

## Data Set Information:

<b>Data Set Characteristics:</b>	Multivariate	<b>Number of Instances:</b>	168286
<b>Attribute Characteristics:</b>	Integer, Real	<b>Number of Attributes:</b>	20
<b>Associated Tasks:</b>	Regression	<b>Missing Values?</b>	N/A

The dataset contains 20 columns which include input and output video characteristics along with their transcoding time and memory resource requirements while transcoding videos to different but valid formats. The dataset was collected based on experiments on an **Intel i7-3720QM CPU**.

## Attribute Information:

- **Duration** : duration of video
- **Bitrate** : video bitrate
- **Height** : height of video in pixels
- **Width** : width of video in pixels
- **Frame rate** : actual video frame rate
- **Codec** : coding standard used for the video
- **I\_frames** : number of i frames in the video
- **P\_frames** : number of p frames in the video
- **B\_frames** : number of b frames in the video
- **Frames** : number of frames in video
- **I\_size** : total size in byte of i videos
- **P\_size** : total size in byte of p videos
- **B\_size** : total size in byte of b videos
- **Size** : total size of video
- **O\_codec** : output codec used for transcoding
- **O\_bitrate** : output bitrate used for transcoding
- **O\_framerate** : output framerate used for transcoding
- **O\_width** : output width in pixel used for transcoding
- **O\_height** : output height used in pixel for transcoding
- **Umem** : total codec allocated memory for transcoding
- **Utime (the target)** : total transcoding time for transcoding