

# Input Videos

- The Original Video with which we created a shuffled video is named: **original.mp4**
- The Processed Original Video is named: **original\_processed.mp4**
- The Shuffled Video that we created, which we will be using as input going forward for all our algorithms is named: **shuffled.mp4**

# Output Folder

We have **3 Parameters** and **3 sorting algorithms**. this leads to a total of **9 output videos**.

- Each folder consists of 3 videos with different sorting algorithms used:
  - Growth
  - Hierarchical Clustering
  - Travelling Sales Man
- The **number\_of\_matches** folder consists of video outputs that were sorted using the **number of matches** as a parameter.
- The **l1\_distances** folder consists of video outputs that were sorted using the **L1 distance** between matched features as a parameter.
- The **l2\_distances** folder consists of video outputs that were sorted using the **L2 distance** between matched features as a parameter.

# Best Sorted.

The Best result we got sorted is using **number\_of\_matches** as the parameter and using TSP as the algorithm. A Copy is stored in the parent directory as **BEST\_reordered\_tsp\_matches.mp4**