

| Sl No. | Topics to be covered                 | Video links  | Hour/minute           |
|--------|--------------------------------------|--|-----------------------|
| 1      | k-means: NPTEL                       | <a href="https://www.youtube.com/watch?v=pBAbMbgaBAk">https://www.youtube.com/watch?v=pBAbMbgaBAk</a>  | [first 27 minutes so] |
| 2      | Aglomerative clustering : (AGNES) :: | <a href="https://www.youtube.com/watch?v=XJ3194AmH40">https://www.youtube.com/watch?v=XJ3194AmH40</a>  |                       |
| 3      | Divisive clustering (DIANA)          | <a href="https://pt.coursera.org/lecture/cluster-analysis/4-3-divisive-clustering-algorithms-2W4OP">https://pt.coursera.org/lecture/cluster-analysis/4-3-divisive-clustering-algorithms-2W4OP</a>  |                       |
| 4      | BIRCH                                | <a href="https://pt.coursera.org/lecture/cluster-analysis/4-4-extensions-to-hierarchical-clustering-K63ju">https://pt.coursera.org/lecture/cluster-analysis/4-4-extensions-to-hierarchical-clustering-K63ju</a><br><a href="https://pt.coursera.org/lecture/cluster-analysis/4-5-birch-a-micro-clustering-based-approach-N06Vq">https://pt.coursera.org/lecture/cluster-analysis/4-5-birch-a-micro-clustering-based-approach-N06Vq</a> |                       |
| 5      | DBSCAN                               | <a href="https://www.coursera.org/lecture/cluster-analysis/5-2-dbscan-a-density-based-clustering-algorithm-MWDS8">https://www.coursera.org/lecture/cluster-analysis/5-2-dbscan-a-density-based-clustering-algorithm-MWDS8</a>  |                       |

### **Machine Learning(Course Code: CSE71)**

**Module 4:Clustering**

**Lecture hours:10**