K-means Clustering by Total Cigarettes Per Trimester for Participants With Three Completed Trimesters in the South Africa Site

Melissa Nunez
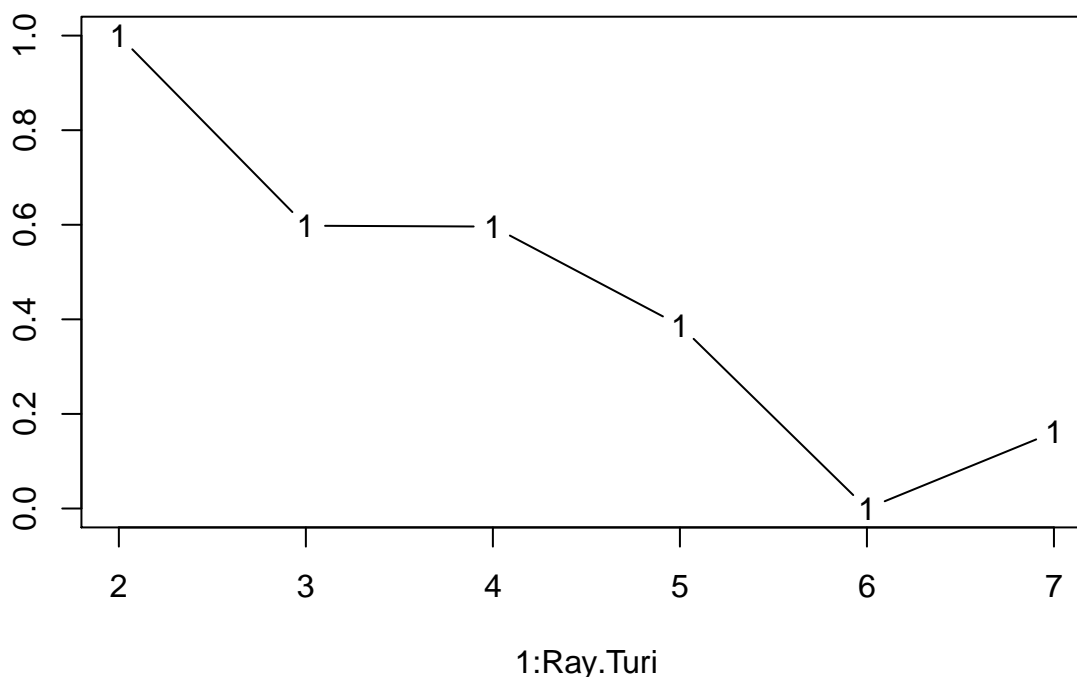
4/25/2018

The citerion for cluster sizes (k) is plotted, however we decided prior to analysis that k should be 4

```
##  ~ Fast KmL ~
## ****************************************************************************S
```


Standardized criterions
Unsorted

1:Ray.Turi

Subject Count Per Cluster

	N	Raw %	Cumulative %
1	2691	43.0	43
2	1824	29.2	72.2
3	361	5.8	78
4	262	4.2	82.2
N	1113	17.8	100
Sum	6251	100.0	

**Subject Count Grouped by Cluster and Exposure**

For exposure definition, d0s0 - did not smoke or drink, d0s1 - did not drink but did smoke, etc

	d0s0	d0s1	d1s0	d1s1	Sum
1	0	520	1038	1133	2691
2	0	492	0	1332	1824
3	0	112	0	249	361
4	0	72	0	190	262
N	1113	0	0	0	1113
Sum	1113	1196	1038	2904	6251
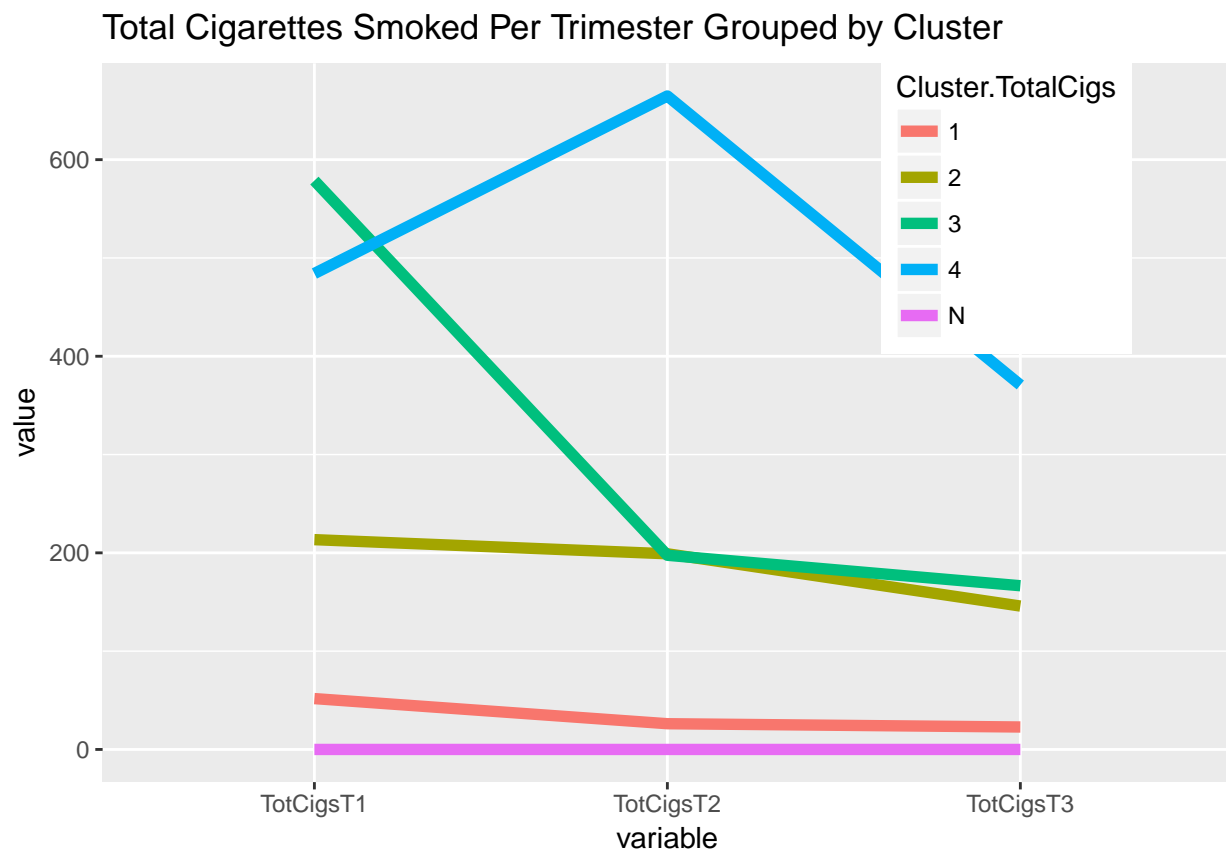
Total Cigarettes Smoked Per Trimester Grouped by Cluster

Total Cigarettes Smoked Per Trimester Grouped by Cluster
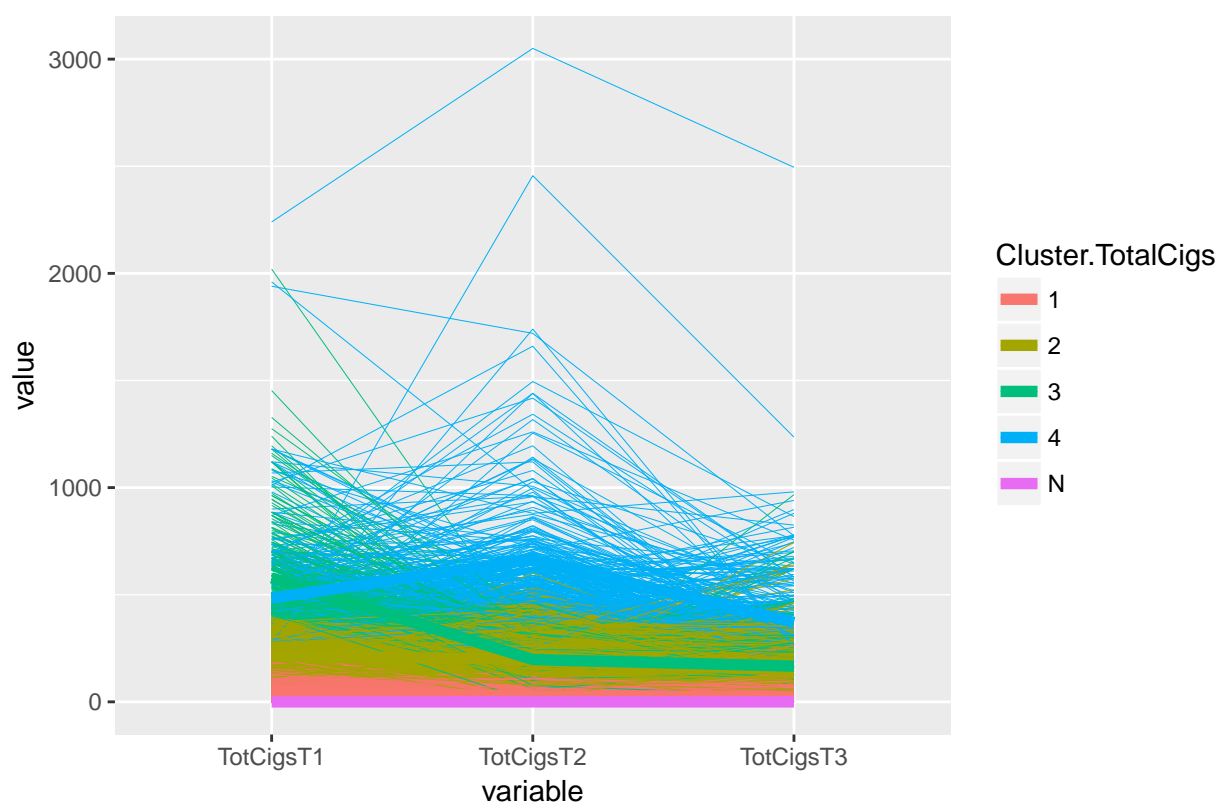
Total Cigarettes Smoked Per Trimester Grouped by Cluster (Panels)