

Udom Phay
Assignment 5

If I want to capture 99% of the variance, I need to use at least 17 principle components.

k	Variance %	Cumulative Variance %
1	59.254057983341035	59.254057983341035
2	24.123818869605003	83.37787685294605
3	9.150013588650681	92.52789044159672
4	2.30057851730542	94.82846895890216
5	1.4591923458304465	96.28766130473261
6	0.5188175327846448	96.80647883751725
7	0.3226580948767226	97.12913693239398
8	0.3146766535634547	97.44381358595744
9	0.26307953264531225	97.70689311860275
10	0.2313066582888446	97.9381997768916
11	0.21753457834905926	98.15573435524067
12	0.20728199528122163	98.36301635052189
13	0.16908376947907672	98.53210012000096
14	0.1255906621886419	98.65769078218962
15	0.1203534018252053	98.7780441840148
16	0.11409210162539707	98.89213628564022
17	0.11111541175048763	99.00325169739071