Problem

Internet addiction is now a serious and recognized problem. Laura Nichols and Richard Nicki developed a 36-item questionnaire to measure internet addiction (Internet Addiction Scale, IAS Nichols & Nicki, 2004).

The questionnaire contained items such as 'I have stayed on the Internet longer than I intended to' and 'My grades/work have suffered because of my Internet use' which could be responded to on a 5- point scale (Never, Rarely, Sometimes, Frequently, Always). They collected data from 207 people to validate this measure. The data from this study are in the file **Nichols & Nicki (2004).dat**.

You are asked to run some descriptive statistics to work out which items should be dropped for having low means/variances, then inspect the correlation matrix of the items to find out which items should be dropped for having low correlations. Finally, Run a principal components analysis on the data to find how many factors to be extracted that explain most of the data.

Deliverables:

Write a report (e.g., ½ page) describing your process and answering the following questions,

- Did you remove any data / columns? And why did you remove them?
- How many factors was your PCA. Any important factors? What do the eigenvalue suggest about factors?