# Introduction to SAS

## Reading Data

1. Read the following data into SAS:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Family | Name | Score | Age |
| 1 | 52 | Peter | 77.2 | 52 |
| 2 | 53 | George | 68.4 | 24 |
| 3 | 51 | Anna | 23.0 | 13 |
| 4 | 52 | Tom | 78.1 | 31 |
| 5 | 53 | William | 18.2 | 17 |

1. Use PROC Print to produce the table with the heading “Aptitude Test Results”
2. Use PROC Print to produce a table of just the ID number and the Names and give it a heading “Participants”
3. Sort the full table by Score.
4. Sort the table by Score in descending order
5. Read in the file data.csv (located on Canvas) that contains data from an experiment (the same is in the table below).
6. Use the code from the In\_Class example to get you started.
   * Examine your output and log file
   * How many observations have been read in?
   * What is the first line showing?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SUBJECT | DOSE | REACT | LIVER\_WT | SPLEEN |
| 1 | 1 | 5.4 | 10.2 | 8.9 |
| 2 | 1 | 5.9 | 9.8 | 7.3 |
| 3 | 1 | 4.8 | 12.2 | 9.1 |
| 4 | 1 | 6.9 | 11.8 | 8.8 |
| 5 | 1 | 15.8 | 10.9 | 9 |
| 6 | 2 | 4.9 | 13.8 | 6.6 |
| 7 | 2 | 5 | 12 | 7.9 |
| 8 | 2 | 6.7 | 10.5 | 8 |
| 9 | 2 | 18.2 | 11.9 | 6.9 |
| 10 | 2 | 5.5 | 9.9 | 9.1 |

1. Fix the issues you have identified in part a) by adding in the option firstobs=2 to your DATA step (*Note if you haven’t found any issues check with a tutor, or another student to see what is wrong!).*

* Re-read the file in
* How many observations have been read now?

1. Print a table of the first 5 rows of data with the title “Spleen Activity” using the option obs=5