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Tutorial: Data Manipulation and Data Transformation using the Shell Andreas Schmidt, Steffen Scholz

Exercise I

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Tasks:

- 1. Download the book "The Adventures of Tom Sawyer" from http://www.gutenberg.org/ebooks/74 (utf-8 format) and store it locally.
- 2. For cygwin users only: Convert file to Unix Format with command: dos2unix.exe <file>
- 3. Browse through the first pages of the book using less (for help type man less)
 - a. Go to line 1234 of the file. What ist the third word?
 - b. Search for the first apperance of Alfred (what is his last name?)
 - c. Go tot he end of the document
 - d. Scroll backward 5 pages
 - e. Show only lines containing the word "Tom"
 - f. Quit less
- 4. How many chapters has the book (hint use grep with -a option)?
- 5. Count the number of empty lines in the file
- 6. Execute grep Tom <file> and grep -o Tom <file>. What is the difference?
- 7. How often does the names "Tom" and "Huck" appears in the book?