Administrivia

- (None really.)

- (Review minute essay from last time.)

Slide 1

"What Command Do I Use To . . . "

- Continuing the tour of some commands I have found useful . . .

- (The point of this tour is not to present details of any of the commands, just to make you aware they exist, so you can follow up on those that seem useful.)

Slide 2

Commands for "Batch" Work

- `batch` and `at` to run something "in batch mode" / at specified time. If output is not redirected, it's sent to you by e-mail.

- `crontab` to set up "cron job" to execute periodically. Not necessarily restricted to root user.

Slide 3

- `nohup` to run a command in a mode in which it keeps running even when the launching terminal session goes away. Caveat: Command can't make use of terminal input/output (so all input/output must be routed to a file, a pipe, etc.). Or run using `screen` . . .

A Text-Based Window Manager

- `screen` is . . . a "virtual virtual terminal", a "text-based window manager", something that multiplexes a physical terminal between several processes, usually interactive shells.

- Supports one or more "windows" (programs, usually shells), plus one or more "regions" (areas on screen).

Slide 4

- Functionality includes
  - Ability to leave programs running even if "real" terminal isn't there — i.e., disconnect/reconnect.
  - Ability to copy and paste text among windows, log stuff, etc..

A Text-Based Window Manager, Continued

Slide 5

- You know what to do to find out more . . . (Or try
  `http://www.gnu.org/software/screen`.)

- Some useful info for getting started:

  - `screen` starts things up.

  - `control-A c` creates a new window. `exit` to end.
    `control-A "` gives menu for selecting window.

  - `control-A S` creates a new region ("splits the screen").
    `control-A X` to end. `control-A Tab` switches to next region.

  - `control-A ?` shows key bindings.

  - `control-A D` detaches session. `screen -r` to resume.

Miscellaneous Fun (?) Stuff

Slide 6

- Some selected text-based games installed in
  `/users/cs3190u/games/games`. "Caveat user" — installation was
  quick-and-dirty, so not all games work 100%, but interesting as a sampling of
  what games were like in the (not-always-so-)Good Old Days.

- And of course there's
  `telnet towel.blinkenlights.nl`
  (If you try this — just type the above, and be patient. Use control-] (possibly
  followed by pressing return) and then "quit" to interrupt it if you need to.)

Slide 7

Minute Essay

- None — sign in.