Machine Learning
Computational Resources
Machines

- Your local machine
- ML group machines
  - GPU servers: guppy
  - CPU servers: cluster
- Department Machines
  - apps
  - comps
ML Group GPU Machines

guppy, guppy1, guppy2, ... guppy9
guppy11, guppy12, krunch

4 or 8 GPUs per machine

From local machine or apps:
$ ssh guppy
ML Group CPU Machines

cluster0, cluster1, … cluster12, cluster34-43 (?)

16 cores on each machine.
No GPUs.
Department Machines

comps0-4
compsbk0-5
compsbk[3,4,5] have GPUs.
compsbk machines need to be booked.
More details -
http://support.cs.toronto.edu
Filesystem

home directory : /u/<username>
- Mounted on all machines
- Used for code, libraries, text
- Regularly backed up

gobi3 : /ais/gobi3/u/<username>
- Mounted on ML group machines (guppy, cluster)
- Used for storing data

Local disks on guppies : /nobackup/<username>

Ask Relu to make directories for you (pocai@cs)
Software and Libraries

- CUDA
  - /pkgs_local/cuda-5.5/
- Matlab
  - /pkgs/matlab
- Python, gcc, ...
GPU Locking

It is important to lock a GPU before using it. This makes sure that a GPU is used by only one user at a time.

http://www.cs.toronto.edu/~nitish/gpu_lock.html
Mailing list: guppy-users@cs
Show demo
Support

If in trouble, send an email to Relu (pocai@cs).

Information about
mail servers, printing, wifi, web server:
http://support.cs.toronto.edu
• Version your code
• Save random seeds
• Write out checkpoints
• Run jobs in screen