

Ling 555 — Programming for Linguists

More on Python modules and subversion

Robert Albert Felty

Speech Research Laboratory
Indiana University

Nov. 17, 2008

Prereqs

course stuff

subversion

modules

While we are waiting

```
svn checkout svn://robfelty.com\  
/home/robfelty/svn/l555 myl555
```

For Wednesday:

Please read Chapter 18

Outline

course stuff

subversion

modules

- 1 Homework questions / Final projects
 - Homework questions
 - Final Project
- 2 More on subversion
 - Diffing
 - Undoing changes
- 3 More on modules
 - re
 - profile

Homework questions

course stuff

homework

project

subversion

modules

Final Presentations

course stuff

homework

project

subversion

modules

- 5-10 minutes
- Background / motivation
- Method
- Demo ?
- Results ?
- Problems / questions

Diffs, conflicts and logs

- You can specify particular files in the log command
`svn log personal`
- Use diff to see the differences between two different revisions
`svn diff -r 24:41 1555/markov.py`
- Use svn info to find the last time a file was changed
`svn info 1555/markov.py`
- If two people edit the same file, it may result in a conflict

Undoing changes

course stuff

subversion

diff

undo

modules

revert

To undo changes to your working copy, use the revert command

```
svn revert <file>
```

merge

To bring back changes from a committed revision, use merge

```
svn merge -c -44 <url> <file>
```

Regular expressions

course stuff

subversion

modules

re

profile

search perform a regex search

match perform a regex search from the beginning of a string

sub Substitute - default is globally, optionally you can specify count

split Split a string using regex

compile Pre-compile a regex (not necessary, but can boost speed)

flags Some flags you can pass, like ignore case

course stuff

subversion

modules

re

[profile](#)