

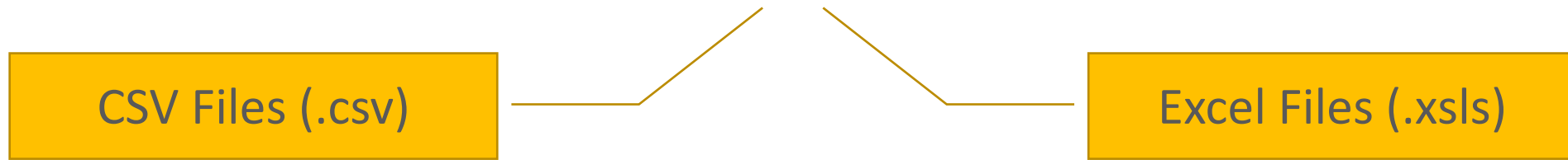
Lab 2

Unix Fundamentals Fall 17



Data Structure

- Located in /usr/local/tmp/election2008



File name: MMMDD.ext

CSV File

2 line header

51 lines of data from each state

Unknown lines of summary
information





Cat Command

Cat command has two main uses:

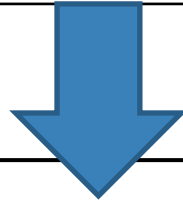
1. The most common use of cat is to ***read*** the contents of files, and cat is often the most convenient program for this purpose.
2. The second role of cat is ***concatenation*** (i.e., stringing together) of copies of the contents of files.

```
cat (options) [filenames] [-] [filenames]
```



Find Command

```
find (directory) (criteria and actions)
```



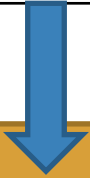
```
find . -name "pattern" -print
```

Find command is used to search files and directories by specifying criteria under Linux and Unix like operating systems.



Pipelines / Redirection

|



Pipe the output from
one command to
another

>



Write to a new file

>>



Append to an existing
file



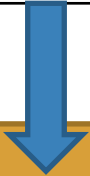
Regex

- A **regular expression** is a special text string for describing a search pattern.
- A **regex** is a string of text that allows you to create patterns that help match, locate, and manage text.



Basics of Regex

*



Wildcard:
use to match any
number of characters

.



Dot:
use to match any
single character

[]



Range:
match a class of
characters



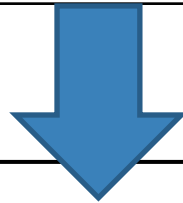
Head & Tail Commands

- **Head command** is used to output the first part of file(s) as specified by the user.
- **Tail command** is used to output the last part of file(s) as specified by the user.
- By default they both show the first and last 10 lines of a file respectively.



Head & Tail Commands

```
head/tail [-options] [filename]
```



```
head/tail -n 5 myfile.txt
```