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# Title: "Lab 3: Command Line Basics"
# Subtitle: "Stat 133, Spring 2018"
# Author: "Gaston Sanchez"



# create new directory stat133-hw4
mkdir stat133-lab03

# change to the directory stat133-hw4
cd stat133-lab03

# download bread.txt
curl -O http://textfiles.com/food/bread.txt

# use ls to list contents
ls

# download other text files
curl -O http://textfiles.com/food/btaco.txt
curl -O http://textfiles.com/food/1st_aid.txt
curl -O http://textfiles.com/food/beesherb.txt

# use curl to download csv files
curl -O http://archive.ics.uci.edu/ml/machine-learning-databases/
forest-fires/forestfires.csv
curl -O http://www.math.uah.edu/stat/data/Fisher.csv
curl -O http://web.pdx.edu/~gerbing/data/cars.csv

# list contents in long form
ls -l

# list the contents in long format and by time?
ls -lt

# create directory data
mkdir data

# change to directory data
cd data

# create a directory txt-files
mkdir txt-files

# create a directory csv-files
mkdir csv-files

# move bread.txt to txt-files/
mv ../bread.txt txt-files
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# use * to move all .txt files to txt-files
mv ../*.txt txt-files

# use * to move all .csv files to csv-files
mv ../*.csv csv-files

# go back to parent directory (stat133-lab03)
cd ..

# create a directory copies
mkdir copies

# copy bread.txt to copies
cp data/txt-files/bread.txt copies

# copy all .txt files to copies
cp data/txt-files/*.txt copies

# copy all .csv files to copies
cp data/csv-files/*.csv copies

# change to the directory copies
cd copies

# rename bread.txt as bread-recipe.txt
mv bread.txt bread-recipe.txt

# rename Fisher.csv as iris.csv
mv Fisher.csv iris.csv

# rename btaco.txt as breakfast-taco.txt
mv btaco.txt breakfast-taco.txt

# change to parent directory
cd ..

# rename direcotry copies as copy-files
mv copies copy-files

# delete copy-files
rm -r copy-files

# list contents in txt-files in reverse order
ls -r data/txt-files
```