1)cat a.txt | tr -s '[:blank:]' ',' > b.csv

sed 's/ \+/,/g' a.txt > a.csv

-To make csv file

2) sort -k1 -t, a.csv > asorted.csv (1 is column number)

-sorting

3) paste -sd+ file.txt | bc

-sum of any numbers

4) awk -F "\t" '{print $8}' file

awk -F "\t" '{print $1" "$2" "$3" "$4" "$5" "$6" "$7" "$8}' file

-separation (Where “ “ will give space) (We can use 1 to 7 in place of 8 to get desire field)

1. awk -F "\t" '{print $1}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-1st.txt
2. awk -F "\t" '{print $2}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-2nd.txt
3. awk -F "\t" '{print $3}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-3rd.txt
4. awk -F "\t" '{print $4}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-4th-notready.txt

awk -F, '/./ { print $0 }' sms-call-internet-mi-2013-12-01-4th-notready.txt > sms-call-internet-mi-2013-12-01-4th.txt

1. awk -F "\t" '{print $5}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-5th-notready.txt

awk -F, '/./ { print $0 }' sms-call-internet-mi-2013-12-01-5th-notready.txt > sms-call-internet-mi-2013-12-01-5th.txt

1. awk -F "\t" '{print $6}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-6th-notready.txt

awk -F, '/./ { print $0 }' sms-call-internet-mi-2013-12-01-6th-notready.txt > sms-call-internet-mi-2013-12-01-6th.txt

1. awk -F "\t" '{print $7}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-7th-notready.txt

awk -F, '/./ { print $0 }' sms-call-internet-mi-2013-12-01-7th-notready.txt > sms-call-internet-mi-2013-12-01-7th.txt

1. awk -F "\t" '{print $8}' sms-call-internet-mi-2013-12-01.txt > sms-call-internet-mi-2013-12-01-8th-notready.txt

awk -F, '/./ { print $0 }' sms-call-internet-mi-2013-12-01-8th-notready.txt > sms-call-internet-mi-2013-12-01-8th.txt

touch file.sh

sh file.sh

5) awk -F, '/./ { print $0 }' file

-remove space

6) awk -F "\t" '{if($4==""){print 0}else{print $4}}' sms-call-internet-mi-2013-12-01.txt

-print 0 when empty columns

7) awk '{ $1=$1","; print $1 }' sms-call-internet-mi-2013-12-01-with-0-4.txt > khali1.txt

-insert , (comma) between two lines)

8) import numpy as np;

import seaborn as sns;

import csv,json

from numpy import genfromtxt

np.random.seed(0)

textdatas = genfromtxt("/Users/darshanpatel/PycharmProjects/MP/file5.txt", delimiter=',')

#with open('sms-call-internet-mi-2013-12-01-with-0-4.txt','rb') as csvfile:

# textdata=csv.reader(csvfile, delimiter=' ', quotechar='|')

sns.set()

#uniform\_data = np.random.randn(10, 12)

ax = sns.heatmap(textdatas, center=0)

-heatmap in jupyter

9) a = read.table("sms-call-internet-mi-2013-12-01-with-0-4.txt",stringsAsFactors = F,sep = ",")

y=unlist(y,use.names = F)

png(file = ‘name.jpg’) - to give name

plot(a,type = 'o', col = 'red', xlab = 'Time', ylab = 'Number of Data', main = 'SMS-In of December 1st 2013')

dev.off() – to save

-line graph in R

10) lines(b, type = 'o', col = 'blue')

-if multiple line graph then use this also.

legend("topleft", inset=.05, c("Call-Out Activity"), fill="cyan" , horiz=TRUE)

11) awk -f minmax.awk sms-call-internet-mi-2013-11-01-with-0-7.txt

-To run awk script