tdirac

Srini

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```
../../bin/tdirac tdirac.csv
../../bin/freqd tdirac.csv
## 0.00000E+00 9.99999E-01
## tdirac.csv
```

Load the table of values and plot

```
library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':

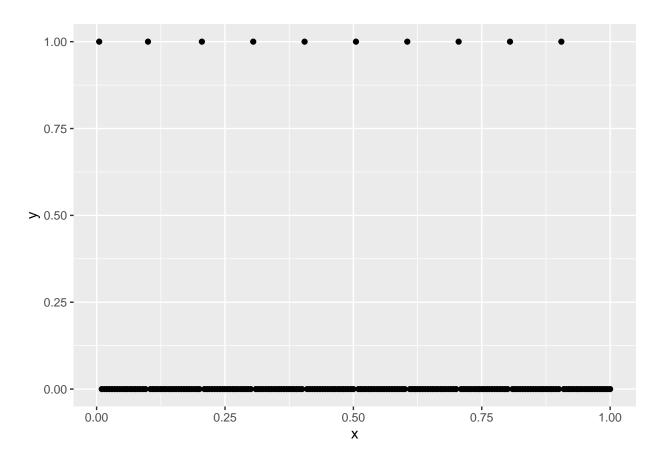
##
## filter, lag

## The following objects are masked from 'package:base':

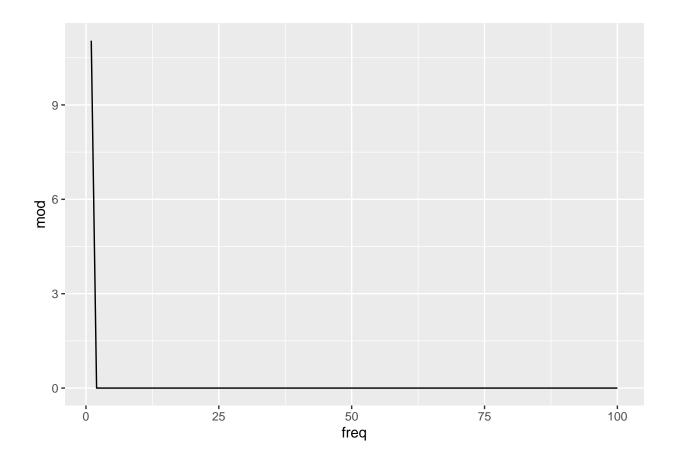
##
## intersect, setdiff, setequal, union

library(ggplot2)

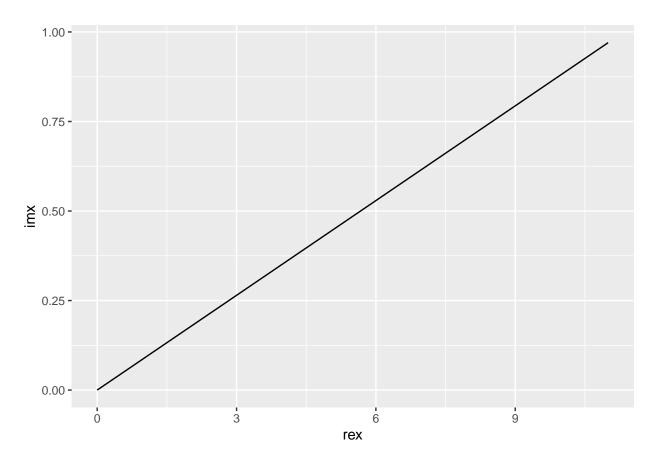
values<-read.csv("tdirac.csv")
names(values)<-c("x","y")
ggplot(values,aes(x=x,y=y))+geom_point()</pre>
```



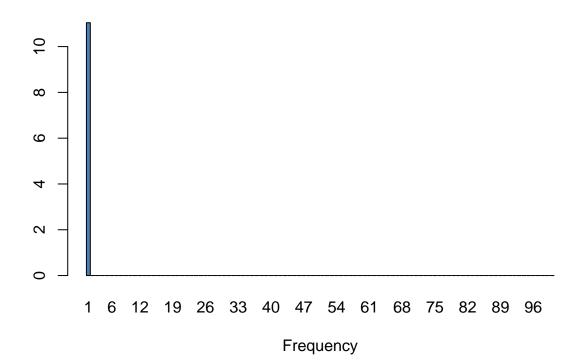
```
signalfft<-read.csv("tdirac.csv.csv",header=FALSE,sep=",")
names(signalfft)<-c("freq","rex","imx","mod","arg")
ggplot(signalfft,aes(x=freq,y=mod))+geom_line()</pre>
```



ggplot(signalfft,aes(x=rex,y=imx))+geom_line()



```
dominant<-signalfft %% slice_head(n=10)
barplot(signalfft$mod,col="steelblue",names.arg=signalfft$freq,xlab="Frequency")</pre>
```



theme(legend.position = "bottom")

