

1.1: Examples of Time Series

Taylor

University of Virginia

defn

A **time series** is a set of observations x_t , each one being recorded at a specific time t

defn

A **discrete-time time series** is a time series in which the set T_0 of times at which observations are made is a discrete set.

Try Running the R Code!

```
# 1.1
# Author: Taylor
# STAT 4170

# import data #
# change this depending on your computer
setwd("~/UVA/all_teaching/4170_data/")
wineData <- read.csv("wine.csv", header=F)
colnames(wineData) <- c("wine")

# plot #
plot(wineData$wine, col="blue", type="l", xlab = "time",
      ylab = "wine sales")

time <- 1:(nrow(wineData))
points(time, wineData$wine)
```

Example

